

List of citations V.B. Petkova

(numbering of cited papers corresponds to that in the full list of publications)

Ref. 2: [10]

1. 1. M. Prati, On the conformal 4-point function of two scalar and two spinor fields *Nuovo Cim. A* 61 (1981) 119.
2. 2. G.M. Sotkov, R.P. Zaikov, Conformal invariant two and three-point functions for fields with arbitrary spin, *Rep.Math.Phys.* 12 (1977) 375.
3. 3. M. V. Chizhov, Heavy chiral bosons search at hadron colliders, arXiv:0705.3944 [hep-ph].
4. 4. L.I. Uruchurtu, AdS/CFT for Four-Point Amplitudes involving Gravitino Exchange, *JHEP* 09 (2007) 086, arXiv:0707.0424 [hep-th].
5. 5. M.V. Chizhov, Theory and phenomenology of chiral particles with spin 1 (in Russian), **Dr. Sc.** thesis (2007), Dubna.
6. 6. R. C. Myers, M. F. Paulos, A. Sinha, Holographic studies of quasi-topological gravity, *JHEP* 1008 (2010) 035, arXiv:1004.2055 [hep-th].
7. 7. R.C. Myers, A. Sinha, Holographic c-theorems in arbitrary dimensions. *JHEP* 01 (2011) 125, arXiv:1011.5819 [hep-th] .
8. 8. M. V. Chizhov, Theory and phenomenology of spin 1 chiral particles, *Phys. Part. Nucl.* 42 (2011) 93-183.
9. 9. K. B. Alkalaev, Mixed-symmetry tensor conserved currents and AdS/CFT correspondence, *J. Phys. A* 46 (2013) 214007, arXiv: 1207.1079.
10. 10. E. Elkhidir, D. Karateev, M. Serone, General Three-Point Functions in 4D CFT, arXiv:1412.1796 [hep-th] .

Ref. 3: [3]

11. 1. E. Fradkin, M. Pal'chik, Conformally invariant solution of quantum field theory equations (1), *Nucl.Phys.* B99 (1975) 317.
12. 2. E. Fradkin, M. Pal'chik, Conformally invariant solution of quantum field equations : (II). Tensor fields and Ward identities, *Nucl.Phys.* B126 (1977) 477.
13. 3. E. Fradkin, M. Pal'chik, Recent developments in conformal invariant field theory, *Phys.Rep.* 44 (1978) 250.

Ref. 4: [1]

14. 1. A. Volkel, Global operator product expansions for free fields of arbitrary mass $m \neq 0$, *JMP* 18 (1977) 445.

Ref. 5: [16]

15. 1. E. Fradkin, M. Pal'chik, Conformally invariant solution of quantum field theory equations (1), *Nucl.Phys.* B99 (1975) 317.
16. 2. M. Luscher, Operator product expansions on the vacuum in conformal quantum field theory in two spacetime dimensions, *CMP* 50 (1976) 23.

17. 3. M.Ya. Palchik, Group Theoretical Analysis of Conformal Fields in Minkowski Space, preprint Novosibirsk, IAE, IAEM-77-55, Dec 1976.
18. 4. A. Klimyk, A.M. Gavrilik, Representation matrix elements and ClebschGordan coefficients of the semisimple Lie groups, JMP 20 (1979) 1624.
19. 5. M. Prati, Conformal operator product expansion in the Yukawa model, Nuovo Cim. A 78 (1983) 1.
20. 6. W. Ruhl, preprint Kaiserslautern 87-0981, Oct. 1987, Lectures 21 Int. Symp. on the Theor. of El. Part. Sellin, DDR, Oct. 1987. Published in Ahrenshoop Symp. (1987) p.137
21. 7. N. Ja. Vilenkin and A.U. Klimyk, Representation of Lie Groups and Special Functions; class I representations, special functions, and integral transforms, vol.2, book, Klumer Academic Publishers, Dordrecht, 1993.
22. 8. L. Hoffmann, A.C. Petkou, W. Ruehl, Aspects of the conformal operator product expansion in AdS/CFT, Adv.Theor.Math.Phys.4:571-615,2002, hep-th/0002154.
23. 9. B. Geyer, M. Lazar, Parton distribution functions from nonlocal light cone operators with definite twist, Phys.Rev.D63 (2001) 094003, hep-ph/0009309.
24. 10. F.M. Lev, Could only fermions be elementary? J.Phys. A 37 (2004) 3285, hep-th/0210144.
25. 11. F.M. Lev, Reduced Spin-Statistics Theorem, hep-th/0212178.
26. 12. F.M. Lev, A possible mechanism of gravity, hep-th/0307087.
27. 13. M. Lazar, Group theoretical analysis of light-cone dominated hadronic processes and twist decomposition of nonlocal operators in quantum chromodynamics, **PhD** thesis, hep-ph/0308049.
28. 14. F. Lev, De Sitter invariance and a possible mechanism of gravity, arXiv:0807.3176 [gr-qc].
29. 15. F.M. Lev, Positive cosmological constant and quantum theory, Symmetry 2(4) (2010) 1945, arXiv:1007.2260 [hep-th].
30. 16. Khandker, Z.U., Li, D., Poland, D., Simmons-Duffin, D., N = 1 superconformal blocks for general scalar operators, JHEP 8 (2014) 049.

Ref. 6: [69]

31. 1. M. Luscher, Operator product expansions on the vacuum in conformal quantum field theory in two spacetime dimensions, CMP 50 (1976) 23.
32. 2. M.Ya. Palchik, A.Ya. Polishchuk, Conformal Partial Wave Expansion of Current-Containing Vertices (In Russian), preprint Novosibirsk, IAE, IAEM-76-35, Nov 1976.
33. 3. M.Ya. Palchik, Group theoretical analysis of conformal fields in Minkowski space, preprint Novosibirsk, IAE, IAEM-77-55, Dec 1976.
34. 4. E. Fradkin, M. Pal'chik, Conformally invariant Green functions of scalar and tensor fields and conserved current, Nuovo Cim. A 34 (1976) 438.
35. 5. R.P. Zaikov and V.D. Tcholakov, Infinite Component Conformal Fields. Spectral Representation of the Two Point Function, Bulg.J.Phys, 3 (1976) 113.
36. 6. R.P. Zaikov, Conformal Invariant Two Point and Three Point Functions in Flat Superspace, preprint Dubna, JINR, JINR-E2-10379, Jan 1977.
37. 7. G.M. Sotkov, R.P. Zaikov, Conformal invariant two and three-point functions for fields with arbitrary spin, Rep.Math.Phys. 12 (1977) 375.
38. 8. M.Ya.Pal'chik, On the global nature of global conformal transformations, PL B66 (1977) 259.
39. 9. G.B. Aliev, Y.A. Verdiyev, Solutions of bootstrap equations in conformal invariant field theory, Izv. Acad. Nauk Azerb. SSR Fiz. , ser. Fiz-Tekh.i Math. Nauk, issue 4 (1977) 9.

40. 10. E. Fradkin, M. Pal'chik, Conformally invariant solution of quantum field equations : (II). Tensor fields and Ward identities, Nucl.Phys. B126 (1977) 477.
41. 11. G. Mack, Duality in quantum field theory, Nucl. Phys. B 118 (1977) 445.
42. 12. E.S. Fradkin, M.Ya. Palchik, Conformal invariant field theory, preprint Novosibirsk, IAS-778-2PP, Apr 1978.
43. 13. E. Fradkin, M. Pal'chik, Recent developments in conformal invariant field theory, Phys.Rep. 44 (1978) 250.
44. 14. S. Brodsky, Y. Frischman, G.P. Lepage, C. Sachraida, Hadronic wave functions at short distances and the operator product expansion, PL B91 (1980) 239.
45. 15. A. Efremov and A. V. Radyushkin, Factorization and asymptotic behaviour of pion form factor in QCD, PL B94 (1980) 245.
46. 16. A.V. Efremov and A.V. Radyushkin, Asymptotic behavior of the pion form factor in quantum chromodynamics, Theor.Math.Phys. 42 (1980) 97.
47. 17. Y. Makeenko, Conformal operators In quantum chromodynamics, Sov.J.Nucl.P. 33 (1981) 440 (Yad.Fiz. 33 (1981) 842).
48. 18. Th. Orndorf, Constraints from conformal covariance on the mixing of operators of lowest twist, NP B198 (1982) 26.
49. 19. A.D. Sokal, An alternate constructive approach to the φ_3^4 quantum field theory, and a possible destructive approach to φ_4^4 , Annales de l'institut Henri Poincar (A) Physique thorique, 37 no. 4 (1982), p. 317-398.
50. 20. M. Prati, Conformal operator product expansion in the Yukawa model, Nuovo Cim. A 78 (1983) 1.
51. 21. N. Craigie, S. Stern, What can we learn from sum rules for vertex functions in QCD?, NP B216 (1983) 209.
52. 22. M.Ya. Palchik and A.A. Pomeransky, The Structure Of The State Space Of Conformal QED And Conformal Group Representations In Minkowski Space., preprint Novosibirsk, IAE, IAEM-195, Sept. 1983.
53. 23. G.M. Sotkov, R.P. Zaikov, On the structure of the conformal covariant N-point functions, Rep.Math.Phys. 19 (1984) 335.
54. 24. G.A. Luna-Acosta, Fitting of hadron spectrum in 5-dimensional conformal relativity, Nuovo Cim. A 94 (1986) 25.
55. 25. G. Mack, preprint DESY 88/120, NATO Adv. Summer Inst., Cargese, July 1987; in *Cargese 1987, Proceedings, Nonperturbative quantum field theory* pp. 353-383
56. 26. I.I. Balitsky, V.M. Braun, Evolution equations for QCD string operators, NP B311 (1989) 541.
57. 27. D. Mueller, Constraints for anomalous dimensions of local light cone operators in ϕ^3 in six-dimensions theory, Z.Phys. C49 (1991) 293.
58. 28. D. Mueller, Conformal constraints and the evolution of the nonsinglet meson distribution amplitude, Phys.Rev.D49:2525-2535,1994.
59. 29. A. Petkou, Conserved currents, consistency relations and operator product expansions in the conformally invariant $O(N)$ vector model, hep-th/9410093, Ann. Phys. 249 (1996) 180.
60. 30. A. Petkou, OPE and consistency relations in a $O(N)$ invariant fermionic CFT for $2 < D < 4$, hep-th/9602054, Phys. Lett. B389 (1996) 18.
61. 31. P. Gosdzinsky, N. Kivel, Resummation of $(-b_0\alpha_s)^n$ corrections to the photon-meson transition form-factor $\gamma^* + \gamma - \pi^0$, Nucl.Phys. B521:274-304 (1998), hep-ph/9707367.

62. 32. A. Petkou, M.B. Silva Neto, On the free energy of three dimensional CFTs and polylogarithms, Phys. Lett. B456:147-154,1999, hep-th/9812166.
63. 33. L. Hoffmann, A.C. Petkou, W. Ruehl, Aspects of the conformal operator product expansion in AdS/CFT, Adv.Theor.Math.Phys.4:571-615,2002, hep-th/0002154.
64. 34. B. Geyer, M. Lazar, Twist decomposition of nonlocal light cone operators. 2. General tensors of 2nd rank, Nucl.Phys.B581:341-390,2000, hep-th/0003080.
65. 35. G. Arutyunov, S. Frolov, A.C. Petkou, Operator product expansion of the lowest weight CPOS in $N = 4$ SYM(4) strong coupling, Nucl.Phys.B586:547-588,2000, hep-th/0005182.
66. 36. F.A. Dolan, H. Osborn, Conformal Four Point Functions and the Operator Product Expansion, Nucl. Phys. B599:459-496,2001, hep-th/0011040.
67. 37. L. Hoffmann, A.C. Petkou, W. Ruehl, A note on the analyticity of the scalar exchange graphs in the crossed channel, Phys.Lett.B478:320-326,2000, hep-th/0002025.
68. 38. A. Flachi and D.J. Toms, Analyticity of AdS scalar exchange graphs in the crossed channel, Phys. Lett. B478, 320-326 (2000).
69. 39. G. Arutyunov, B. Eden, A. C. Petkou, E. Sokatchev Exceptional non-renormalization properties and OPE analysis of chiral four-point functions in $N=4$ SYM₄, Nucl.Phys.B620:380-404,2002, hep-th/0103230
70. 40. G. Arutyunov, B. Eden, E. Sokatchev, On Non-renormalization and OPE in Superconformal Field Theories, Nucl.Phys.B619:359-372,2001, hep-th/0105254.
71. 41. B. Eden, E. Sokatchev, On the OPE of 1/2 BPS short operators in $N = 4$ SCFT₄, Nucl.Phys. B618:259-276 (2001), hep-th/0106249.
72. 42. N.V. Hieu, Quasipotential approach to quantum chromodynamics, Theor. Math. Phys. 132, 1144-1147 (2002).
73. 43. S. Deser, A. Waldron, Arbitrary Spin Representations in de Sitter from dS/CFT with Applications to dS Supergravity, Nucl. Phys. B662: 379-392 (2003) , hep-th/0301068.
74. 44. M. Lazar, Group theoretical analysis of light-cone dominated hadronic processes and twist decomposition of nonlocal operators in quantum chromodynamics, **PhD** thesis, hep-ph/0308049.
75. 45. F.A. Dolan and H. Osborn, Conformal Partial Waves and the Operator Product Expansion, Nucl. Phys. B678: 491-507 (2004) hep-th/0309180.
76. 46. A.V. Belitsky, A.V. Radyushkin, Unraveling hadron structure with generalized parton distributions, Dedicated to Anatoly V. Efremov on occasion of his 70th anniversary, Phys.Rept.418:1-387 (2005), hep-ph/0504030.
77. 47. J. Henn, C. Jarczak, E. Sokatchev, On twist-two operators in $N=4$ SYM, Nucl.Phys.B730 (2005) 191, hep-th/0507241.
78. 48. A.V. Belitsky, J. Henn, C. Jarczak, D. Muller, E. Sokatchev, Anomalous dimensions of leading twist conformal operators, Phys.Rev.D 77, 045029 (2008), arXiv:0707.2936 [hep-th].
79. 49. D. M. Hofman, J. Maldacena, Conformal collider physics: Energy and charge correlations, JHEP 0805:012 (2008) , arXiv:0803.1467 [hep-th].
80. 50. I. Heemskerck, J. Penedones, J. Polchinski, J. Sully, Holography from Conformal Field Theory, JHEP 10 (2009) 079, arXiv: 0907.0151 [hep-th].
81. 51. G. Mack, D-independent representation of Conformal Field Theories in D dimensions via transformation to auxiliary Dual Resonance Models. Scalar amplitudes, arXiv:0907.2407 [hep-th].
82. 52. G. Mack, D-dimensional Conformal Field Theories with anomalous dimensions as Dual Resonance Models, Bulg. J. Phys. 36 (2009) 214226, arXiv:0909.1024 [hep-th].
83. 53. D. Hofman, String Theory on Five Dimensional Anti de Sitter Space-Times: Fundamental Aspects and Applications, **PhD** thesis, 2009, Princeton.

84. 54. H. Georgi, Ye. Kats, Unparticle self-interactions, *JHEP* 1002:065 (2010), arXiv:0904.1962 [hep-ph].
85. 55. L. Cornalba, M. S. Costa, J. Penedones, Deep Inelastic Scattering in Conformal QCD, *JHEP* 03 (2010) 133, arXiv:0911.0043 [hep-th].
86. 56. H. Georgi, Unparticle physics, *IJMP A*25 (2010) 573.
87. 57. H. Georgi, Unparticle physics, in the Proc. of Workshop on crossing the boundaries - gauge dynamics at strong coupling, MAY 14-17, 2009 Univ Minnesota, William I Fine Theoret Phys Inst, Minneapolis, MN, eds. M. Peloso, A. Veinstein (2010) p 438-453.
88. 58. J. Penedones, Writing CFT correlation functions as AdS scattering amplitudes, *JHEP* 03 (2011) 025, arXiv:1011.1485.
89. 59. A.Liam Fitzpatrick, J. Kaplan, J. Penedones, S. Raju, B.C. van Rees, A Natural Language for AdS/CFT Correlators, *JHEP* 1111 (2011) 095, arXiv:1107.1499 [hep-th].
90. 60. M. S. Costa, J. Penedones, D. Poland, S. Rychkov, Spinning conformal correlators, *JHEP* 1111 (2011) 071, arXiv:1107.3554 [hep-th].
91. 61. F.A. Dolan and H. Osborn, Conformal Partial Waves: Further Mathematical Results, arXiv:1108.6194.
92. 62. M. S. Costa, J. Penedones, D. Poland, S. Rychkov, Spinning conformal blocks, *JHEP* 1111 (2011) 154, arXiv:1109.6321 [hep-th].
93. 63. J. Plefka & K. Wiegandt, Three-Point Functions of Twist-Two Operators in N=4 SYM at One Loop, *JHEP* 10 (2012) 177, arXiv:1207.4784 [hep-th].
94. 64. M.S. Costa, V. Goncalves, J. Penedones, Conformal Regge theory, *JHEP* 12 (2012) 091, arXiv:1209.4355.
95. 65. K. Wiegandt, Perturbative Methods for Superconformal Quantum Field Theories in String - Gauge Theory Dualities, **PhD** thesis (2012), arXiv:1212.5181 [hep-th].
96. 66. A.V. Belitsky, S. Hohenegger, G.P. Korchemsky, E. Sokatchev, A. Zhiboedov, From correlation functions to event shapes, *Nucl. Phys. B* 884 (2014) 305343, arXiv:1309.0769 [hep-th].
97. 67. M.S. Costa, V. Goncalves, J.Penedones, Spinning AdS Propagators, *JHEP* 9 (2014) 064, arXiv:1404.5625 [hep-th].
98. 68. M.S. Costa, T. Hansen, Conformal correlators of mixed-symmetry tensors arXiv:1411.7351 [hep-th].
99. 69. X. Bekaert, J. Erdmenger, D. Ponomarev and C. Sleight, Towards holographic higher-spin interactions: Four-point functions and higher-spin exchange, arXiv:1412.0016 [hep-th].

Ref. 8: [96]

100. 1. E. Fradkin, M. Pal'chik, Conformally invariant solution of quantum field theory equations (1), *Nucl.Phys. B*99 (1975) 317.
101. 2. R.P. Zaikov and V.D. Tcholakov, Infinite Component Conformal Fields. Spectral Representation of the Two Point Function, *Bulg.J.Phys.* 3 (1976) 113.
102. 3. G.M. Sotkov, R.P. Zaikov, Conformal Invariant Two Point Functions for Nonbasic Fields with Arbitrary Spin, *Bulg.J.Phys.* 3 (1976) 243.
103. 4. E. Fradkin, M. Pal'chik, Conformally invariant solution of quantum field equations : (II). Tensor fields and Ward identities, *Nucl.Phys. B*126 (1977) 477.
104. 5. E.S. Fradkin, M.Ya. Palchik, Conformal invariant field theory, preprint Novosibirsk, IAS-778-2PP, Apr 1978.
105. 6. A. Klimyk, A.M. Gavriliuk, Representation matrix elements and ClebschGordan coefficients of the semisimple Lie groups, *JMP* 20 (1979) 1624.

106. 7. A. Klimyk, *Matrix elements and Clebsch - Gordan coefficients of group representations*, book, (Naukova Dumka, Kiev, 1979).
107. 8. D. Lazo-Tueve, W. Ruhl, Invariant Forms of the Lorentz Group, *Fortschr. Phys.* 28 (1980) 99.
108. 9. I. Kondor, T. Temesvari, Calculation of critical exponents to $O(1/n2)$, *Phys.Rev. B* 21 (1980) 260.
109. 10. M. Prati, On the conformal 4-point function of two scalar and two spinor fields, *Nuovo Cim. A* 61 (1981) 119.
110. 11. R.P. Martin, Tensor products of principal series for the De Sitter group, *Trans. AMS* 265 (1981) 121.
111. 12. D.P. Zhelobenko, Harmonic analysis on reductive Lie groups *J. of Math. Sciences* 15, Number 4 (1981) 490-529; Russian : (1979) 207.
112. 13. M.Ya. Pal'chik, M. Prati, V. Zaikin, Conformal operator product expansions and field equations of motion in Abelian gauge theories, *Nuovo Cim. A* 72 (1982) 87.
113. 14. M. Prati, The generalized Rarita-Schwinger spinor tensors and their conformal covariant Schwinger functions, *Nuovo Cim. A* 68 (1982) 11.
114. 15. A.D. Sokal, An alternate constructive approach to the φ_3^4 quantum field theory, and a possible destructive approach to φ_4^4 , *Annales de l'institut Henri Poincar (A) Physique thorique*, 37 no. 4 (1982), p. 317.
115. 16. E. Fradkin, A.Kozhevnikov, M. Pal'chik, A. Pomeransky, Maxwell equations in conformal invariant electrodynamics, *CMP* 91 (1983) 529.
116. 17. M.Ya. Pal'chik, A New Approach To The Conformal Invariance Problem In Quantum Electrodynamics, *J. Phys. A* 16 (1983) 1523.
117. 18. M. Prati, Conformal operator product expansion in the Yukawa model, *Nuovo Cim. A.* 78 (1983) 1.
118. 19. A. Kozhevnikov, M. Pal'chik, A. Pomeransky, *Sov.J.Nucl.R.* 37 (1983) 287.
119. 20. E. Fradkin, M. Palchik, Euclidean linear conformal gravity, *Class.Quant.Grav.* 1 (1984) 131.
120. 21. M.Ya. Pal'chik, *DAN SSSR* 274 (1984) 1345.
121. 22. R.P. Martin, Tensor products for the de Sitter group, *Trans. AMS* 284 (1984) 795.
122. 23. P. Moylan, Unitary representations of the (4+1) de Sitter group on unitary irreducible representation spaces of the Poincar group: Equivalence with their realizations as induced representations, *JMP* 26 (1985) 29.
123. 24. G.A. Kerimov, On the Wigner coefficients of the generalized Lorentz groups in the parabolic basis, *JMP* 26 (1985) 1885.
124. 25. R.P. Zaikov, Conformal invariance in gauge theories. I. Quantum electrodynamics, *Theor. Math. Phys.* 65 (1985) 1016.
125. 26. D.T. Stoyanov, Infinite dimensional Lie algebras connected with four dimensional Laplace operator, preprint SISSA, 10/85/E.P.
126. 27. E.S. Fradkin, M.Ya. Pal'chik, Conformal invariant solution of quantum field theory equations. III. Closed equations in the two-dimensional theory, Novosibirsk preprint Inst. Automation and Electrometry N 298 (1985).
127. 28. R. Zaikov, Conformal nonabelian gauge theory, *LMP* 11 (1986) 189.
128. 29. G. Kyrchev, *Ann. Phys.* 170 (1986) 257.
129. 30. Ya. Neretin, Representations of complementary series entering discretely in tensor-products of unitary representations, *Funct Anal Appl+* 20 (1) (1986) 68-70.
130. 31. A.P. Balanchadran, F. Lizzi, R. Sorkin, G. Sparano, Topological aspects of string theories, *NP B287* (1987) 508.

131. 32. S. Catani, M. Ciafaloni, Infrared finite bremsstrahlung and compact time in conformal QED, Nuovo Cim. A 101 (1989) 37.
132. 33. B. Cordani, On the Fock quantisation of the hydrogen atom, J. Phys. A: Math. Gen. 22 (1989) 2695.
133. 34. E.S. Fradkin, M.Ya. Pal'chik, preprint HU-TFT-90-11, March 1990; Exactly solvable conformally invariant quantum field models in D- dimensions, Int.J.Mod.Phys. A5 (1990) 3463.
134. 35. G.A. Kerimov, Lobachevskian Dirac fields, JMP 31 (1990) 1745.
135. 36. E.S. Fradkin and V.Ya. Linetsky, Infinite-parametric extension of the conformal algebra in D \geq 2 space-time dimensions, Phys. Lett. 253B (1991) 97.
136. 37. E.S. Fradkin and V.Ya. Linetsky, Infinite dimensional generalizations of finite dimensional symmetries, JMP 32 (1991) 1218-6.
137. 38. K. Lang and W. Rühl, The critical O(N) sigma -model at dimensions $2 < d < 4$: Fusion coefficients and anomalous dimensions, Nucl. Phys. B400 (1993) 597.
138. 39. Lang K, Ruhl W, Critical nonlinear O(N) sigma-models at $2 < d < 4$ -the degeneracy of quasi-primary fields and its resolution, Z. Phys. C Part. Fields 61 (1994) 495-509.
139. 40. A.M. Gavrilik, A. Klimyk, Representations of the q-deformed algebras $u(q)(so_2,1)$ AND $U(Q)(SO_3,1)$, JMP 35 (1994) 3670.
140. 40. V.I Fushchich, A.G Nikitin, *Symmetries of Equations of Quantum Mechanics*, book, Allerton Press Inc., New York, 1994, 480 pp.
141. 42. A. Petkou, OPE and consistency relations in a $O(N)$ invariant fermionic CFT for $2 < D < 4$, hep-th/9602054, Phys. Lett. B389 (1996) 18.
142. 43. E.S. Fradkin and M.Y. Palchik, Method of solving conformal models in D-dimensional space, I., Ann. of Physics, 249, (1996) 44.
143. 44. E.S. Fradkin and M.Y. Palchik, Axiomatic approach to conformal quantum field theory in D dimensions, Doklady Akademii Nauk 355 (1997), 320 .
144. 45. N. Krausz and M. S. Marinov, Exact evolution operator on noncompact group manifolds, J. of Math. Phys. 41, Issue 8 (2000) 5180, quant-ph/9709050.
145. 46. Ch. Wierczkowski, Topological representations of the quantum group $U_q(sl_2)$ in two dimensional conformal field theory, **PhD** thesis, Muenster (1996).
146. 47. E.S. Fradkin, M.Ya. Palchik, Conformal quantum field theory in D-dimensions, 1996, book, Kluwer Academic Publishing, the Netherland.
147. 48. E.S. Fradkin and M.Y. Palchik, Method of solving conformal models in D-dimensional space II - A family of exactly solvable models in D greater than 2, Int. J. Mod. Phys. A 13 (1998) 4787.
148. 49. E.S. Fradkin and M.Y. Palchik, Method of solving conformal models in D-dimensional space III - Secondary fields in $D > 2$ and the solution of two-dimensional models, Int. J. Mod. Phys. A 13 (1998) 4837.
149. 50. E.S. Fradkin and M.Y. Palchik, New developments in D-dimensional conformal quantum field theory, Phys. Reports 300 (1998), 2-111.
150. 51. M. Bianchi, S., G. Rossi and Y.S. Stanev, On the logarithmic behaviour in N=4 SYM theory, JHEP (8): Art. No. 020 OCT 28 1999, hep-th/9906188.
151. 52. J. Niederle, A.G. Nikitin, Irreducible representations of the extended Poincare parasuperalgebra, J. Phys. A 32 (1999) 5141-5155.
152. 53. L. Hoffmann, A.C. Petkou, W. Ruehl, Aspects of the conformal operator product expansion in AdS/CFT, Adv.Theor.Math.Phys.4:571-615,2002, hep-th/0002154.

153. 54. B. Geyer, M. Lazar, Twist decomposition of nonlocal light cone operators. 2. General tensors of 2nd rank, Nucl. Phys.B 581 (1-2): 341-390 AUG 14 2000, hep-th/0003080.
154. 55. L. Hoffmann, L. Mesref and W. Ruehl, AdS box graphs, unitarity and operator product expansions, Nucl.Phys. B 589 (1-2): 337-355 Nov 20 2000 , hep-th/0006165.
155. 56. B. Geyer, M. Lazar, Parton distribution functions from nonlocal light cone operators with definite twist, Phys. Rev. D 63 (9): Art. No. 094003 (2001), hep-ph/0009309.
156. 57. L. Hoffmann, L. Mesref, W. Ruehl, Conformal partial wave analysis of AdS amplitudes for dilaton-axion four-point functions, Nucl.Phys. B 608 (1-2) (2001) 177, hep-th/0012153
157. 58. P.J.Heslop, Superfield representations of superconformal groups, Class. Quant. Grav. 19 (2): 303-345 (2002), hep-th/0108235.
158. 59. B. Geyer, M. Lazar and D. Robaschik, Power corrections of off-forward quark distributions and harmonic operators with definite geometric twist, Nucl. Phys. B618 : 99-137 (2001), hep-ph/0108061.
159. 60. V.N. Zaikin and M.Y. Pal'chik, Conformally invariant regularization and skeleton expansions in gauge theory, Theor. Math. Phys. 128 (2001) 1181.
160. 61. G.S. Chirikjian, A.B. Kyatkin, Engineering Applications of Noncommutative Harmonic Analysis: With Emphasis on Rotation and Motion Groups (2001), book, CRC Press LLC, Florida.
161. 62. G. Arutyunov, E. Sokatchev, Conformal fields in the pp-wave limit, JHEP (8): Art. No. 014 AUG (2002), hep-th/0205270.
162. 63. K. Zoubos, Holography and Quaternionic Taub-NUT, JHEP (12): Art. No. 037 DEC (2002), hep-th/0209235.
163. 64. F.M. Lev, Reduced Spin-Statistics Theorem, hep-th/0212178.
164. 65. F.M. Lev, Could only fermions be elementary? J.Phys. A 37 (2004) 3285, hep-th/0210144.
165. 66. S. Deser, A. Waldron, Arbitrary Spin Representations in de Sitter from dS/CFT with Applications to dS Supergravity, Nucl. Phys. B662: 379-392 (2003), hep-th/0301068.
166. 67. O.A.P. Mac Conamhna , Massive bosons and the dS/CFT correspondence, Phys. Rev. D67:084015 (2003).
167. 68. F.M. Lev, A Possible Mechanism of Gravity, hep-th/0307087.
168. 69. M. Lazar, Group theoretical analysis of light-cone dominated hadronic processes and twist decomposition of nonlocal operators in quantum chromodynamics, **PhD** thesis, hep-ph/0308049.
169. 70. E. Rabinovici, D. S. Berman and E. Rabinovici, Supersymmetric Gauge Theories, , in Unity from duality: gravity, gauge theory and strings, Les Houches, 2003, Volume 76/2002, 137-240.
170. 71. K. Zoubos, A Conformally Invariant Holographic Two-Point Function on the Berger Sphere, JHEP (1): Art. No. 031 JAN (2005), hep-th/0403292.
171. 72. M. Nirschl, H. Osborn, Superconformal Ward Identities and their solution, Nucl.Phys. B 711 (2005) 409, hep-th/0407060.
172. 73. F.A. Dolan, L. Gallot & E. Sokatchev, On Four-Point Functions of Half-BPS Operators in General Dimensions, JHEP (9) (2004) 056, hep-th/0405180.
173. 74. V.N. Zaikin and M.Ya. Palchik, Secondary Fields in $D > 2$ Conformal Theories, hep-th/0509103.
174. 75. K. Krasnov, J. Louko, SO(1,d+1) Racah coefficients: Type I representations, JMP 47 (2006) 033513, math-ph/0502017.
175. 76. A. M. Vershik, M.I. Graev, Structure of the complementary series and special representations of the groups $O(n, 1)$ and $U(n, 1)$, Russ. Math. Surv., 61 (5), (2006) 799.

176. 77. W. Ruehl, The Goldstone fields of interacting higher spin field theory on AdS(4), *Physics of Atomic Nuclei*, v. 71, Number 6 (2008), 1109, hep-th/0607197.
177. 78. M. Niedermaier, E. Seiler, Structure of the space of ground states in systems with non-amenable symmetries *Comm.Math.Phys.* 270 (2007) 373, math-ph/0601049.
178. 79. H. Hoelzler, AdS/CFT holography of the O(N)-symmetric ϕ^4 vector model, **PhD** thesis, (2007) Goettingen.
179. 80. F. Lev, De Sitter Invariance and a Possible Mechanism of Gravity, arXiv:0807.3176 [gr-qc].
180. 81. H.A. Kastrup, On the Advancements of Conformal Transformations and their Associated Symmetries in Geometry and Theoretical Physics, *Annalen Phys.*17 (2008) 631, arXiv:0808.2730.
181. 82. J. Fuchs, I. Runkel, Ch. Schweigert, Twenty-five years of two-dimensional rational conformal field theory, *JMP* 51, Issue 1, pp. 015210-015210-19 (2010), arXiv:0910.3145 [hep-th].
182. 83. M. Bischoff, D. Meise, K.H. Rehren, I. Wagner Conformal quantum field theory in various dimensions, *Bulg. J. Phys; Bulg. J. Phys.* 36 (2009) 170 arXiv:0908.3391 [math-ph].
183. 84. C. Hillmann, E(7) and d=11 supergravity, **PhD** thesis (2009), arXiv:0902.1509.
184. 85. R. C. Myers, M. F. Paulos, A. Sinha, Holographic studies of quasi-topological gravity, *JHEP* 08 (2010) 035, arXiv:1004.2055 [hep-th].
185. 86. F.M. Lev, Positive cosmological constant and quantum theory, *Symmetry* 2(4) (2010) 1945, arXiv:1007.2260 [hep-th].
186. 87. R.C. Myers, A. Sinha, Holographic c-theorems in arbitrary dimensions, *JHEP* 01 (2011) 125, arXiv:1011.5819 [hep-th] .
187. 88. M. S. Costa, J. Penedones, D. Poland, S. Rychkov, Spinning conformal correlators, *JHEP* 1111 (2011) 071, arXiv:1107.3554 [hep-th].
188. 89. M. S. Costa, J. Penedones, D. Poland, S. Rychkov, Spinning conformal blocks, *JHEP* 1111 (2011) 154, arXiv:1109.6321 [hep-th].
189. 90. G. Zhang, Discrete components in restriction of unitary representations of rank one semisimple Lie groups, arXiv:1111.6406v1 [math.RT].
190. 91. C. Neumann, K-H. Rehren and L. Wallenhorst, New methods in conformal partial wave analysis, in Proc. 9. International Workshop *Lie Theory and Its Applications in Physics*, (Varna, Bulgaria, June 2011), "Springer Proceedings in Mathematics and Statistics" Vol. 36 (ISBN 978-4-431-54269-8), (Springer, Tokyo-Heidelberg, 2013) pp. 109-125 (citation [5]), arXiv:1112.3512.
191. 92. D. Chicherin, S. Derkachov and A.P. Isaev, Conformal group: R-matrix and star-triangle relation, *JHEP* 04 (2013) 020, arXiv:1206.4150 [math-ph,hep-th].
192. 93. G. M. Sotkov, U. Camara dS, Holographic RG Flows from Quasi-Topological Gravity, arXiv:1207.0778.
193. 94. I.I. Cotaescu, Covariant representations of the de Sitter isometry group, *Mod. Phys. Lett. A* Vol. 28, No. 9 (2013) 1350033, arXiv:1210.6761.
194. 95. P. Moylan, An Integral Transform in de Sitter Space, *Fort. d. Phys.* 34 (9) (1986) 629647.
195. 96. E. Elkhidir, D. Karateev, M. Serone, General Three-Point Functions in 4D CFT, arXiv:1412.1796 [hep-th] .

Ref. 9: [14]

196. 1. M. Prati, The generalized Rarita-Schwinger spinor tensors and their conformal covariant Schwinger functions, *Nuovo Cim. A* 68 (1982) 11.

197. 2. I.T. Todorov, Conformal invariance in (gauge) quantum field theory, Lect. Notes in Phys. 153 (1982) 319.
198. 3. M. Prati, Conformal operator product expansion in the Yukawa model, Nuovo Cim. A. 78 (1983) 1.
199. 4. E. Fradkin, A.Kozhevnikov, M. Pal'chik, A. Pomeransky, Maxwell equations in conformal invariant electrodynamics CMP 91 (1983) 529.
200. 5. D.P. Zhelobenko and A.I. Stern, *Representations of Lie groups*, (Nauka, Moscow, 1983) (in Russian).
201. 6. G. Sotkov, R. Zaikov, On the structure of the conformal covariant N-point functions, Rep.Math.Phys. 19 (1984) 335.
202. 7. P. Moylan, Invariant equations and manifestly covariant group representations for SO(4,1), Munich, Max Planck Inst., MPI-PAE/PTh 83/84, Oct 1984.
203. 8. P. Moylan, Unitary representations of the (4+1) de Sitter group on unitary irreducible representation spaces of the Poincar group: Equivalence with their realizations as induced representations, JMP 26 (1985) 29.
204. 9. R. Zaikov, On a class of relativistic equations for fields with arbitrary spin, Rep. Math.Phys. 21 (1986) 91.
205. 10. P.J.Heslop, Superfield representations of superconformal groups, Class. Quant. Grav. 19 (2002) 303, hep-th/0108235.
206. 11. S. Deser, A. Waldron, Arbitrary Spin Representations in de Sitter from dS/CFT with Applications to dS Supergravity, Nucl. Phys. B662: 379-392 (2003), hep-th/0301068.
207. 12. D. Chicherin, S. Derkachov and A.P. Isaev, Conformal group: R-matrix and star-triangle relation, JHEP 04 (2013) 020, arXiv:1206.4150 [math-ph,hep-th].
208. 13. K. B. Alkalaev, Mixed-symmetry tensor conserved currents and AdS/CFT correspondence, J. Phys. A 46 (2013) 214007, arXiv: 1207.1079.
209. 14. I. Todorov, Studying Quantum Field Theory, Bulg. J. Phys. 40 (2013) 93, arXiv:1311.7258.

Ref. 10: [121]

210. 1. A. Efremov and A.V. Radyushkin, Asymptotic behavior of the pion form factor in quantum chromodynamics, Theor.Math.Phys. 42 (1980) 97.
211. 2. Y. Makeenko, Conformal Operators In Quantum Chromodynamics, Sov.J.Nucl.R. 33 (1981) 440.
212. 3. M. Prati, On the conformal 4-point function of two scalar and two spinor fields, Nuovo Cim. A 61 (1981) 119.
213. 4. E. Fradkin, M. Pal'chik, V. Zaikin, DAN SSSR 258 (1981) 340.
214. 5. V.K. Dobrev, A.C. Ganchev, O.I.Yordanov, Conformal operators from spinor fields - the symmetric tensor case, Phys. Lett B 119 (4-6) (1982) 372-376.
215. 6. M.Y. Palchik, F.S. Fradkin, Spontaneous breaking of conformal symmetry - anomalous dimensionalities for instantons and merons, JETP Lett.+ 36 (3) (1982) 122-124
216. 7. M.Ya. Pal'chik, M. Prati, V. Zaikin, Conformal operator product expansions and field equations of motion in Abelian gauge theories, Nuovo Cim. A 72 (1982) 87.
217. 8. M. Prati, The generalized Rarita-Schwinger spinor tensors and their conformal covariant Schwinger functions, Nuovo Cim. A 68 (1982) 11.
218. 9. M. Prati, Conformal operator product expansion in the Yukawa model, Nuovo Cim. A 78 (1983) 1.
219. 10. M.Ya. Pal'chik, A New Approach To The Conformal Invariance Problem In Quantum Electrodynamics, J.Phys. A 16 (1983) 1523.

220. 11. E. Fradkin, A.Kozhevnikov, M. Pal'chik, A. Pomeransky, Maxwell equations in conformal invariant electrodynamics, CMP 91 (1983) 529.
221. 12. A. Kozhevnikov, M. Pal'chik, A. Pomeransky, Conformal Invariant Formulation Of Quantum Electrodynamics, Sov.J.Nucl.R. 37 (1983) 287 (Yad.Fiz. 37(1983) 481).
222. 13. N.V. Krasnikov, Is finite renormalization of the electric charge possible? Phys.Lett. B 126 (6) (1983) 483-484
223. 14. B. Binengar, C. Fronsdal, W. Heidenreich, Conformal QED, JMP 24 (1983) 2828.
224. 15. G.M. Sotkov, D.T. Stoyanov, Conformal quantisation of electrodynamics, J. Phys. A 16 (1983) 2817.
225. 16. E. Fradkin, M. Pal'chik, Euclidean linear conformal gravity, Class.Quant.Grav. 1 (1984) 131.
226. 17. M.Ya. Palchik, E.S. Fradkin, Linear conformal gravitation, Dokl Akad Nauk SSSR+ 274 (6) (1984) 1345-1348
227. 18. H. Araki, Indecomposable representations with invariant inner product, CMP 97 (1985) 149.
228. 19. F. Bayen, M. Flato, C. Fronsdal and A. Haidari, Conformal invariance and gauge fixing in QED. Phys.Rev. D 32 (1985) 2673.
229. 20. E. Fradkin, A. Tseytlin, Conformal supergravity, Phys.Rep. 119 (1985) 233.
230. 21. T. Hida, LEE KS, LEE SS, Conformal invariance of white noise, Nagoya Math.J. v. 98 (1985) 87-98.
231. 22. M.Ya. Pal'chik, E. Fradkin, DAN SSSR 280 (1985) 79.
232. 23. R. Raczka, A Nonperturbative Stability Theory Of Quantum Field Theory Models, Ann.Phys. 160 (1985) 355.
233. 24. R. Zaikov, Conformal invariance in gauge theories. I. Quantum electrodynamics, Theor.Math.Phys. 65 (1985) 1016.
234. 25. V.K. Dobrev, Elementary representations and intertwining-operators for SU(2,2) .1. J. Math. Phys. 26 (2)(1985) 235.
235. 26. C. Fronsdal, Semisimple gauge theories and conformal gravity, in "Applications of Group Theory in Physics and Mathematical Physics", Am. Math. Soc. , Lect. in Appl. Math., vol. 21, (1985) p. 165-178.
236. 27. P. Budinich, L. Dabrowski and H.R. Petry, Global conformal transformations of spinor fields, Lecture Notes in Physics, Vol. 261 (1986) 195-204.
237. 28. S.V. Michailov, A.V. Radyushkin, Structure of two-loop evolution kernels and evolution of the pion wave function in $\phi_{(6)}^3$ and QCD, NP B273 (1986) 297.
238. 29. A.I. Oksak, Scattering in conformally invariant quantum mechanics, Theor.Math.Phys. 66 (1986) 142.
239. 30. G. Mack, preprint DESY 88-120, NATO Adv. Summer Inst. on Nonpert. Quant. F. Th. (Cargese Summer Inst.) Cargese, July 1987. in *Cargese 1987*, Proceed., p.353.
240. 31. S.M. Paneitz, I.E. Segal, D.A. Vogan, J. Funct.Anal. 75 (1987) 1.
241. 32. I. E. Segal, B. Orsted, S. M. Paneitz, D. A. Vogan, Explanation of Parity Nonconservation, Proc. of the Nat. Acad. of Sci. of the USA, Vol. 84, No. 2 (Jan. 15, 1987), pp. 319.
242. 33. A.K. Pogrebkov, String solutions in three-dimensional field models, PL B186 (1987) 347.
243. 34. R.M. Doria, J.A. Helayel-Neto, An effective theory of massive gauge bosons, Nuovo Cim. A 98 (1987) 761.
244. 35. I.V. Kolokolov, M.Ya. Pal'chik, Conformal theory of gauge strings. The Abelian theory, Sov.J.Nucl.R. 45 (1987) 545.
245. 36. A.K. Pogrebkov, and M.K. Polivanov, Liouville field theory, Proc. of the Steklov Inst Math. 176 (1988) p. 89, Mathematical Physics and complex analysis, ed. L.D. Faddeev.

246. 37. A. Cappelli, A. Coste, On the stress tensor of conformal field theories in higher dimensions, NP B314 (1989) 707.
247. 38. S. Catani, M. Ciafaloni, Infrared finite bremsstrahlung and compact time in conformal QED, Nuovo Cim. A 101 (1989) 37.
248. 39. E.S. Fradkin, M.Ya. Pal'chik, preprint HU-TFT-90-11, March 1990, Int.J.Mod.Phys. A5 (1990) 3463.
249. 40. D. Mueller, Constraints for anomalous dimensions of local light cone operators in ϕ^3 in six-dimensions theory Z. Phys. C 49 (1991) 293.
250. 41. R.P. Zaikov, Slavnov-Taylor identities for Yang-Mills theory in conformal gauge, Int.J.Mod.Phys. A 6:18 (1991) 3235.
251. 42. F. Gursev, W. Jiang, Euclidean space-time diffeomorphisms and their Fueter subgroups, JMP 33 (1992) 682.
252. 43. P. Budinich, R. Raczka, Found. Phys. (Historical Archive) 23 (1993) 599.
253. 44. A.O. Barut, P. Budinich, J. Niederle, R. Raczka, Conformal Space-times -The Arenas of Physics and Cosmology, Foundations of Physics, 1994, v. 24, Iss 11, p1461
254. 45. Brunetti, D. Guido, R. Longo, Modular structure and duality in conformal quantum field theory, CMP 156 (1993) 201-219.
255. 46. V.K. Dobrev and P. Moylan, Induced Representations and Invariant Integral Operators for $SU(2,2)$, Fortschr. Phys. 42 (1994) 339.
256. 47. L.V. Avdeev and M.V. Chizhov, A queer reduction of degrees of freedom, Phys.Part.Nucl.Lett. 2 (2005) 7-10, hep-th/9407067 v2.
257. 48. H.J. Borchers, On the use of modular groups in Quantum Field Theory, Ann. de l Institut Henri Poincare - Physique Theorique, v. 63 (1995), 331.
258. 49. E.S. Fradkin and M.Y. Palchik, Method of solving conformal models in D-dimensional space, Ann. of Physics 249 (1996), 44.
259. 50. M.V. Chizhov, Antisymmetric tensor fields (in Russian), Physica elem. chastiic i atomnogo yadra, 26 (1995), 1322.
260. 51. P.S. Howe, P. C. West, OPE expansions in 4-dim superconformal field theories, Phys. Lett. B389 (1996) 273, hep-th/9607060.
261. 52. M.V. Chizhov, Tensor Excitations in Nambu-Jona-Lasinio Model, hep-ph/9610220.
262. 53. E.S. Fradkin, M.Ya. Palchik, Conformal quantum field theory in D-dimensions, 1996, book, Kluwer Academic Publishing, the Netherland.
263. 54. P. Di Francesco, P. Mathieu, D. Senechal, 1997, book, *Conformal Field Theory*, Springer.
264. 55. E.S. Fradkin and M.Y. Palchik, Axiomatic approach to conformal quantum field theory in D dimensions, Doklady Akademii Nauk 355 (1997), 320 .
265. 56. P. Backovskiy, J. Niederle, On classification of Conformally Flat Spaces, Czechoslovak Journal of Physics 47 (1997), 1001.
266. 57. E.S. Fradkin and M.Y. Palchik, Method of solving conformal models in D-dimensional space II - A family of exactly solvable models in D greater than 2, Int. J. Mod. Phys. A 13 (1998) 4787.
267. 58. E.S. Fradkin and M.Y. Palchik, New developments in D-dimensional conformal quantum field theory, Phys. Reports 300 (1998), 2-111.
268. 59. P.S. Howe, E. Sokatchev, P.C. West, 3-point functions in N=4 Yang-Mills, Phys.Lett. B 444 (1998) 341.

269. 60. H. Liu, Scattering in Anti-de Sitter Space and Operator product Expansion, Phys. Rev. D 6010 (10) 6005 (1999), hep-th/9811152.
270. 61. LP Colatto, MA De Andrade, F Toppan, Matrix space-times and a 2-D Lorentz covariant calculus in any even dimension hep-th/9810145.
271. 62. H. Liu and A.A. Tseytlin, 4-point functions in the CFT-Ads correspondence, Phys. Review D 5908 (1999), 6002.
272. 63. I.Y. Aref'eva and I.V. Volovich, On large N conformal theories, field theories in anti-de Sitter space and singletons, Proc. of "Quarks, 98", hep-th/9803028.
273. 64. C.R. Preitschopf and M.A. Vasiliev, Conformal Field Theory in Conformal Space, hep-th/9812113, Nucl. Phys. B549 (1999) 450.
274. 65. V. Dobrev, Intertwining operator realization of the AdS/CFT correspondence, Nucl. Phys. B 553 (3) (1999) 559-582, hep-th/9812194.
275. 66. A. Petkou, K. Skenderis, A non-renormalization theorem for conformal anomalies, Nucl. Phys. B 561 (1-2) (1999) 100-116 , hep-th/9906030.
276. 67. M. Bianchi, S. Kovacs, G. Rossi and Y.S. Stanev, On the logarithmic behaviour in N=4 SYM theory, JHEP (8) (1999) U397-U417 , hep-th/9906188.
277. 68. E. Sokatchev, 3-Point functions in N =4 Yang-Mills in harmonic superspace, Lect. Notes in Phys. 524 (1999) 106.
278. 69. L.P. Colatto, A.L.A. Penna, C.M.M. Polito, On Finite Matrix Bi-Dimensional Formulation of $D = 4n + 2$ Classical Field Models, arXiv:hep-th/0010047v3.
279. 70. F. Lledo, Conformal covariance of massless free nets, Rev. Math. Phys. 13 (2001) 1135, math-ph/0006018.
280. 71. G. Arutyunov, B. Eden, A. C. Petkou, E. Sokatchev Exceptional non-renormalization properties and OPE analysis of chiral four-point functions in N=4 SYM₄, Nucl. Phys. B 620 (1-2): 380-404 Jan 7 2002, hep-th/0103230
281. 72. G. Arutyunov, B. Eden, E. Sokatchev, On Non-renormalization and OPE in Superconformal Field Theories, Nucl. Phys. B 619 (1-3): 359-372 Dec 14 2001, hep-th/0105254.
282. 73. B. Eden, E. Sokatchev, On the OPE of 1/2 BPS short operators in $N = 4$ SCFT₄, Nucl.Phys. B618:259-276, (2001), hep-th/0106249.
283. 74. B. Eden, S. Ferrara, E. Sokatchev, (2,0) Superconformal OPEs in D=6, Selection Rules and Non-renormalization Theorems, JHEP 0111 (2001) 020, hep-th/0107084.
284. 75. V.N. Zaikin and M.Y. Pal'chik, Conformally invariant regularization and skeleton expansions in gauge theory, Theor. and Math. Phys. 128 (3): 1181-1192 Sep 2001.
285. **76.** E. Abdalla, MCB Abdalla, K.D. Rothe, Non-perturbative methods in two dimensional quantum field theory, (2001) **book**, World Scientific .
286. 77. G. Arutyunov, E. Sokatchev, Conformal fields in the pp-wave limit, JHEP (8): art. no. 014 AUG (2002), hep-th/0205270.
287. 78. G. Arutyunov, S. Penati, A. C. Petkou, A. Santambrogio, E. Sokatchev, Non-protected operators in N=4 SYM and multiparticle states of AdS_5 SUGRA, Nucl. Phys. B 643 (2002) 49, hep-th/0206020.
288. 79. S.M. Kuzenko, I.N. McArthur, On quantum deformation of conformal symmetry: gauge dependence via field redefinitions, Phys. Lett. B 544 (2002) 357, hep-th/0206234.
289. 80. D. Guido and R. Longo, A Converse Hawking-Unruh Effect and dS 2/CFT Correspondence, ANN Henri Poincare 4 (6): 1169-1218 (2003), gr-qc/0212025.
290. 81. N. Beisert, BMN operators and superconformal symmetry, Nucl. Phys. B 659 (1-2): 79-118 (2003), hep-th/0211032.

291. 82. S. Deser, A. Waldron, Arbitrary Spin Representations in de Sitter from dS/CFT with Applications to dS Supergravity, Nucl. Phys. B662: 379-392 (2003) hep-th/0301068.
292. 83. P.A. Nikolov, N.P. Petrov, A local approach to dimensional reduction: II. Conformal invariance in Minkowski space, J. Geom. Phys. 44 (4) (2003) 539.
293. 84. M. Bianchi and A. Marchetti, Holographic three-point functions: one step beyond the tradition, Nucl.Phys. B 686 (1-2): (2004) 261, hep-th/0302019.
294. 85. A.I. Machavariani, Conformal group of transformations of the quantum field operators in the momentum space and the five dimensional Langrangian approach, hep-th/0504030.
295. 86. Yu. M. Pis'mak, Renormalization group and infinite algebraic structure in D-dimensional conformal field theory, J. Phys. A: Math. Gen. 39 (2006) 8157, hep-th/0512279.
296. 87. L. V. Avdeev and M. V. Chizhov, A Queer Reduction of Degrees of Freedom, Physics of Particles and Nuclei Letters, v. 2, No. 1 (2005) 7,
297. 88. J. Henn, C. Jarczak, E. Sokatchev, On twist-two operators in N=4 SYM, Nucl.Phys.B730:191-209,2005, hep-th/0507241.
298. 89. M. D'Alessandro and L. Genovese, A wide class of four point functions of BPS operators in N=4 SYM at order g^4 , Nucl.Phys. B732 (2006) 64, hep-th/0504061.
299. 90. S.M. Kuzenko, On compactified harmonic/projective superspace, 5D superconformal theories, and all that, Nucl.Phys. B745 (2006) 176, arXiv:hep-th/0601177.
300. 91. A.D. Coste, Infinite dimensional covariance and non relativistic limits in time dependent theories, math-ph/0606059.
301. 92. C. Jarczak, Anomalies and anomalous dimensions in $N = 4$ SYM theory, **PhD** thesis (2006) LAPTH these 1170/06, Lyon.
302. 93. A.I. Machavarian, On relationship between conformal transformations and broken chiral symmetry, arXiv:math-ph/0611083.
303. 94. L. Gonzaga Filho, M.S. Cunha, C.A.S. Almeida and R.R. Landim, Generating mass and topological terms to the antisymmetric tensor matter field by Higgs mechanism, Phys.Lett. B646 (2007) 279, arXiv:hep-th/0701161.
304. 95. A.V. Belitsky, J. Henn, C. Jarczak, D. Muller, E. Sokatchev, Anomalous dimensions of leading twist conformal operators, Phys. Rev. D 77, 045029 (2008), arXiv:0707.2936 [hep-th].
305. 96. H. Hoelzler, AdS/CFT holography of the $O(N)$ -symmetric ϕ^4 vector model, **PhD** thesis, (2007) Goettingen.
306. 97. M.V. Chizhov, Theory and phenomenology of chiral particles with spin 1 (in Russian), **Dr. Sc.** thesis (2007), Dubna.
307. 98. H.A. Kastrup, On the Advancements of Conformal Transformations and their Associated Symmetries in Geometry and Theoretical Physics, Annalen Phys.17 (2008) 631, arXiv:0808.2730.
308. 99. R. Rattazzi, V. S. Rychkov, E. Tonni, A.Vichi, Bounding scalar operator dimensions in 4D CFT, JHEP 0812:031(2008), arXiv:0807.0004.
309. 100. K. Hamada, Conformal Field Theory on $R \times S^3$ from Quantized Gravity, Int.J.Mod.Phys.A24 (2009) 3073, arXiv:0811.1647 [hep-th].
310. 101. V.K. Dobrev, Exceptional Lie Algebra $E(7(-25))$: Multiplets and Invariant Differential Operators. J. Phys. A: Math. Theor. 42 (2009) 285203, arXiv:0812.2690 [hep-th].
311. 102. J-M. Schwindt, C. Wetterich, Asymptotically free four-fermion interactions and electroweak symmetry breaking, Phys. Rev. D 81, 055005 (2010), arXiv:0812.4223 [hep-ph].
312. 103. J. M. Henn ,Duality between Wilson loops and gluon amplitudes, Fortschr. d. Physik 57 (2009) 729, arXiv:0903.0522 [hep-th].

313. 104. H. Georgi, Ye. Kats, Unparticle self-interactions, JHEP 1002:065 (2010), arXiv:0904.1962 [hep-ph].
314. 105. L. Cornalba, M. S. Costa, J. Penedones, Deep Inelastic Scattering in Conformal QCD, JHEP 03 (2010) 133, arXiv:0911.0043 [hep-th].
315. 106. Meise, Relations between 2D and 4D Conformal Quantum Field Theory, **PhD** thesis, 2010, Göttingen.
316. 107. R. C. Myers, M. F. Paulos, A. Sinha, Holographic studies of quasi-topological gravity, JHEP 08 (2010) 035, arXiv:1004.2055v2 [hep-th].
317. 108. R.C. Myers, A. Sinha, Holographic c-theorems in arbitrary dimensions. JHEP 01 (2011) 125, arXiv:1011.5819 [hep-th] .
318. 109. M. V. Chizhov, , Theory and phenomenology of spin 1 chiral particles, Phys. Part. Nucl. 42 (2011) 93-183.
319. 110. A. Vichi, A New Method to Explore Conformal Field Theories in Any Dimension, **PhD** thesis, 2011, Ecole Polyt. Fed. de Lausanne.
320. 111. C. Neumann, K-H. Rehren and L. Wallenhorst, New methods in conformal partial wave analysis, in Proc. 9. International Workshop *Lie Theory and Its Applications in Physics*, (Varna, Bulgaria, June 2011), "Springer Proceedings in Mathematics and Statistics" Vol. 36 (ISBN 978-4-431-54269-8), (Springer, Tokyo-Heidelberg, 2013) pp. 109-125 (citation [5]), arXiv:1112.3512.
321. 112. S. Ananth, S. Kovacs, S. Parikh, Gauge-invariant correlation functions in light-cone superspace, JHEP 05 (2012) 96, arXiv:1203.5376 [hep-th].
322. 113. AI. Machavariani, Conformal transformations and doubling of the particle states arXiv:1204.4272.
323. 114. S.M. Kuzenko, Conformally compactified Minkowski superspaces revisited JHEP 10 (2012) 135, arXiv:1206.3940.
324. 115. D. Chicherin, S. Derkachov and A.P. Isaev, Conformal group: R-matrix and star-triangle relation, JHEP 04 (2013) 020, arXiv:1206.4150 [math-ph,hep-th].
325. 116. G. M. Sotkov, U. Camara dS, Holographic RG Flows from Quasi-Topological Gravity, arXiv:1207.0778.
326. 117. B. Eden, Three-loop universal structure constants in N=4 susy Yang-Mills theory, arXiv:1207.3112.
327. 118. V.K. Dobrev, Invariant Differential Operators for Non-Compact Lie Algebras Parabolically Related to Conformal Lie Algebras., JHEP 02 (2013) 015, arXiv:1208.0409.
328. 119. S. Faci, Conformal invariance: From Weyl to SO(2,d), Europhys. Lett. Volume 101 (2013) 31002, arXiv:1206.4362.
329. 120. P. Liendo, Uncovering the structure of (super)conformal field theory, **PhD thesis** (2013) Stony Brook University.
330. **121.** EW Grafarend, RJ You, R Syffus , Map projections, book (Ref. on p. 919) , Springer (2014).

Ref. 11: [174]

331. 1. J. Fröhlich, Confinement in Z_n lattice gauge theories implies confinement in SU(n) lattice Higgs theories, PL B83 (1979) 195.
332. 2. T. Yoneya, Monopole condensation and quark confinement in a weak coupling SU(N) lattice gauge model, NP B153 (1979) 431.
333. 3. A. Ukawa, P. Windey, A. Guth, Dual variables for lattice gauge theories and the phase structure of Z(N) systems, Phys.Rev. D 21 (1980) 1013.
334. 4. L. Yaffe, Confinement in SU(N) lattice gauge theories, Phys.Rev. D 21 (1980) 1574.

335. 5. G. Immirzi, A geometric approach to Abelian lattice theories, *Nuovo Cim. A* 58 (1980) 313.
336. 6. N. Kimura, Critical Properties Of $Z(2)$ Lattice Gauge Systems From Strong Coupling Expansions, *Prog.Th.Phys.* 64 (1980) 310.
337. 7. E. Shuryak, Quantum Chromodynamics and the Theory of Superdense Matter, *Phys.Rep.* 61 (1980) 71.
338. 8. N.S. Craigie, Quantum chromodynamics: a theory of the nuclear force, preprint Trieste, IC/80/62, In *Nathiagali 1980, Proceedings, Physics and Contemporary Needs, Vol. 5, 423-502.
339. 9. G. Munster, Vortex free energy and string tension at strong and intermediate coupling, *PL B95* (1980) 59.
340. 10. M. Durhuus, J. Fröhlich, A connection between v -dimensional Yang-Mills theory and $(v - 1)$ -dimensional, non-linear σ - models, *CMP* 75 (1980) 103.
341. 11. J. Fröhlich, G. Morchio and F. Strocchi, Higgs phenomenon without a symmetry breaking order parameter, *PL B97* (1980) 249.
342. 12. G. Munster, On the characterization of the higgs phase in lattice gauge theories, *Zeit.Phys. C* 6 (1980) 175.
343. 13. E. Tomboulis, 't Hooft loop in $SU(2)$ lattice gauge theories, *Phys.Rev. D* 23 (1981) 2371.
344. 14. Z. Ezawa, A. Iwazaki, Z_N topology and charge confinement in $SU(N)$ Higgs models, *Phys.Rev. D* 23 (1981) 3036.
345. 15. T. Yoneya, A path-functional field theory of lattice gauge models and the large- N limit, *NP B183* (1981) 471.
346. 16. M. Gopfert, $Z(2)$ vortices and the $SU(2)$ string tension, *NP B190* (1981) 151.
347. 17. M. Bander, Theories of quark confinement, *Phys.Rep.* 75 (1981) 205.
348. 18. R.C. Brower, D.A. Kessler, H. Levine, Monopole Condensation and the Lattice-Quantum-Chromodynamics Crossover, *Phys.Rev.Lett.* 47 (1981) 621.
349. 19. J. Greensite, B. Lautrup, *Phys.Rev.Lett.* 47 (1981) 9.
350. 20. I.G. Halliday, A. Schwimmer, $Z(2)$ monopoles in lattice gauge theories, *PL B102* (1981) 337.
351. 21. C. Lang, C. Rebbi, P. Salomonson, B.S. Skagerstam, The transition from strong coupling to weak coupling in $SU(2)$ lattice gauge theory, *PL B101* (1981) 173.
352. 22. M. Imaschi, S. Kawabe, H. Yoneyama, Migdal recursion equation as a probe for crossover points. Lattice gauge theory on discrete groups, *Prog.Th.Phys.* 66 (1981) 1025.
353. 23. S. Khokhlachev, Yu. M. Makeenko, *PL B101* (1981) 403.
354. 24. G. Munster, High-temperature expansions for the free energy of vortices and the string tension in lattice gauge theories, *NP B180* (1981) 23.
355. 25. Y. Iwasaki, Transition from strong to weak coupling in $SU(N)$ lattice gauge theories, *PL B100* (1981) 327.
356. 26. Y. Iwasaki, Instanton contributions and the cluster property of the vacuum, *PL B104* (1981) 458.
357. 27. Y. Makeenko, S. Khokhlachev, *JETP* 53 (1981) 228.
358. 28. P. Mitra, Three-dimensional $Z(N)$ lattice gauge models at large N , *NP B210* (1982) 125.
359. 29. J. Polchinski, Order parameters in a modified lattice gauge theory, *Phys.Rev. D* 25 (1982) 3325 .
360. 30. Y. Iwasaki, The Structure of the Vacuum. I - Two-Dimensional Non-Linear $O(3)$ Model , *Prog.Th.Phys.* 68 (1982) 448.

361. 31. Y. Iwasaki, The Structure of the Vacuum. II Non Abelian gauge models, Prog.Th.Phys. 68 (1982) 898.
362. 32. R. Edgar, Generalised actions for lattice gauge models, NP B200 (1982) 345.
363. 33. M. Ogilvie, preprint Maryland MdDP- PP- 82- 068, Oct.1981.
364. 34. J. Fröhlich, T. Spencer, Massless phases and symmetry restoration in abelian gauge theories and spin systems, CMP 83 (1982) 411.
365. 35. I. Fox, A study of the SU(2)-SO(3) phase diagram: Analyticity domains, NP B205 (1982) 527.
366. 36. Y. Makeenko, M.I. Polikarpov, Phase diagram of mixed lattice gauge theory from the viewpoint of large N, NP B205 (1982) 386.
367. 37. R.C. Brower, D.A. Kessler, H. Levine, Dynamics of SU (2) lattice gauge theories, NP B205 (1982) 77.
368. 38. R.C. Brower, D.A. Kessler, H. Levine, Onset of asymptotically free scaling, Phys.Rev. D 26 (1982) 77.
369. 39. E. Tomboulis, SU(2) versus SU(2)/Z₂ lattice gauge theory and the crossover from weak to strong coupling, PL B108 (1982) 209.
370. 40. L. Caneschi, I.G. Halliday, A. Schwimmer, Z (2) configurations of non-minimal size in lattice gauge theories, PL B117 (1982) 427.
371. 41. F. Klinkhamer, Quark deconfinement at high temperature and thick vortices, Zeit.Phys. C 16 (1982) 163.
372. 42. E. Seiler, Gauge Theories as a Problem of Constructive Quantum Field Theory and Statistical Mechanics, book, Lect.Notes in Phys. 159 (1982).
373. 43. S.A. Bulgadaev, Fermi-Bose gas equivalence, non-abelian symmetry groups, phase transitions and all that, NP B224 (1983) 349.
374. 44. M. Creutz, L. Jacobs, C. Rebbi, Monte Carlo simulations in lattice gauge theories, Phys.Rep. 95 (1983) 201.
375. 45. M. Fukugita, M. Kobayashi, T. Kameko, Phase structure and duality of Z_N lattice gauge theory with generalized actions in four space-time dimensions, NP B215 (1983) 289.
376. 46. S. Samuel, A study of 't Hooft and Wilson loops, NP B214 (1983) 532.
377. 47. L. Caneschi, I. Fox, S. Solomon, On the nature of the phase transition in a class of lattice gauge theories, NP B220 (1983) 246.
378. 48. V.A. Malyshev, E.N. Petrova, Duality transformations of Gibbs random fields, J. of Math. Sciences, v. 21, N6 (1983) 877.
379. 49. Y. Makeenko, The Monte Carlo method in lattice gauge theories, Usp.Fiz.Nauk 143 (1984) 161 (Soviet Physics Uspekhi 27 (1984) 401).
380. 50. Yi-C. Zhang, preprint SISSA 67/84/E.P.
381. 51. H. Kastrup, Canonical Theories Of Dynamical Systems In Physics, Phys.Rep. 101 (1983) 3.
382. 52. G. Tiktopoulos, Mechanism of chiral symmetry breakdown in quantum chromodynamics, NP B234 (1984) 228.
383. 53. S. Nojiri, A study of the 't Hooft loop operator, PL B144 (1984) 87.
384. 54. C. Borgs, Translation symmetry breaking in four dimensional lattice gauge theories, CMP 96 (1984) 251.
385. 55. T.A. Kozhamkulov, S.B. Khokhlachev, Lattice gauge theories with partly separable variables, Theor. Math.Phys. 62 (1985) 210.

386. 56. G. Lazarides, Monopoles and cosmology, NP B252 (1985) 207.
387. 57. E. Tomboulis and L. G. Yaffe, Finite temperature SU (2) lattice gauge theory, CMP 100 (1985) 313.
388. 58. G. Lazarides, S. Sarantakos, Non-Abelian magnetic flux at high temperatures, Phys.Rev. D 31 (1985) 389.
389. 59. G. Lazarides, Microcosmology, preprint Thessaloniki Univ. UT-STPD-4/86, April 1986. Presented at 2nd Hellenic School on Particle Physics, Corfu, Greece, Sep 1-20, 1985. Published in Corfu School 1985:341.
390. 60. J. Jurkiewicz, Weak Coupling Expansion in Lattice Gauge Theories , Act.Phys.Pol. B 18 (1987) 311.
391. 61. A.I. Karanikas, C.N. Ktorides, Nonperturbative approach to Yang-Mills theories in the continuum. II. Considerations away from strong coupling, Phys.Rev. D 35 (1987) 1484.
392. 62. R.L. Stuller, Paramagnetic instability and vortex condensation in compact continuum su(n) gauge theory, preprint Brookhaven BNL-42138, November 1988.
393. 63. H.G. Evertz, M. Marcu, The higgs mechanism in the framework of lattice gauge theories. preprint DESY 88/133, Sep 1988. 30pp. Invited lecture given at 12th Johns Hopkins Workshop on Current Problems in Particle Theory, TeV Physics, Baltimore, MD, Jun 8-10, 1988. Published in Johns Hopkins Workshop 1988, p. 217
394. 64. C.A. Bonato and J. Fernando Perez, Kosterlitz-Thouless transition for the finite-temperature $U(1)$ Hamiltonian lattice gauge theory, J.Stat.Phys. 56 (1989) 13.
395. 65. A. Patrascioiu, E. Seiler, Is QCD an asymptotically free theory? AZPH-TH/90-25, Mar 1990, in Rencontre de Physique de la Valle d'Aoste: "Results and Perspectives in Particle Physics", ed. M. Greco, (1990) p. 297-312.
396. 66. A. Patrascioiu, E. Seiler, The difference between abelian and nonabelian models: Fact and fancy, arXiv:math-ph/9903038.
397. 67. V.G. Bornyakov, M. Creutz, V.K. Mitryushkin, Modified Wilson action and Z(2) artifacts in SU(2) lattice gauge theory. BNL-46482, Jul 1991, Phys.Rev.D44 (1991) 3918-3923.
398. 68. V.G. Bornyakov, V.K. Mitryushkin, M. Muller-Preussker, Modified U(1) lattice gauge theory: towards realistic lattice QED, preprint Humboldt U., Berlin, HU-BERLIN-IEP-92-5, Sep 1992.
399. 69. E.T. Tomboulis, Dynamical monopoles and confinement, preprint UCLA-92-TEP-28, May 1992. 14pp. Talk given at International Seminar on Quarks (Quarks 92), Zvenigorod, Russia, 11-17 May 1992. Published in Zvenigorod Quarks 1992:95-108 .
400. 70. E.T. Tomboulis, Monopoles and confinement, Nucl. Phys. (Proc. Suppl.) 30 (1993) 549.
401. 71. M. Alford, Kai-Ming Lee, J. March-Russell, J. Preskill, Quantum field theory of nonabelian strings and vortices, Nucl.Phys. B384 (1992) 251.
402. 72. V.G. Bornyakov, V.K. Mitryushkin, M. Muller-Preussker, Deconfinement transition and abelian monopoles in SU(2) lattice gauge theory, BI-TP-91-39, Nov 1991. Phys.Lett.B284 (1992) 99-105.
403. 73. E.T. Tomboulis, Confinement via dynamical monopoles, Phys.Lett. 303B (1993) 103.
404. 74. Tamas G. Kovacs, E.T. Tomboulis (UCLA), The SU(2) X SU(2) chiral spin model in terms of SO(3) and Z(2) variables: vortices and disorder, Phys.Lett.B321 (1994) 75-79, hep-lat/9311005.
405. 75. J. Cornwall, Baryon Wilson loop area law in QCD, Phys.Rev.D54(1996) 6527, hep-th/9605116.
406. 76. J.Stack, S.Neiman, Confinement by monopoles in the positive plaquette model of $su(2)$ lattice gauge theory, PL B (1996) 377, hep-lat/9601019.
407. 77. T. Mendes, A. Pelissetto, A. Sokal, Multigrid Monte Carlo via XY embedding 1. General theory and two-dimensional $O(N)$ symmetric nonlinear sigma models, NYU-TH-96-04-01, hep-lat/9604015; Nucl.Phys. B477 (1996) 203.

408. 78. T.G. Kovacs, E.T. Tomboulis, $SO(3)$ monopoles, vortices and confinement in $S(2)$ gauge theories, UCLA-96-TEP-23; hep-lat/9607068; Nucl.Phys.Proc.Suppl.53:509-511 (1997).
409. 79. T.G. Kovacs, E.T. Tomboulis, Vortices and confinement at weak coupling, Phys.Rev.D57:4054-4062 (1998), hep-lat/971109.
410. 80. J. M. Cornwall, Center vortices and confinement vs. screening, Phys.Rev. D57 (1998) 7589, hep-th/9712248
411. 81. V.K. Petrov, Scaling in a toy model of gluodynamics at finite temperatures. ITP-98-25-E, hep-lat/9803019
412. 82. T.G. Kovacs, E.T. Tomboulis, Absence of confinement in the absence of vortices, JMP 40:4677-4687,1999, hep-lat/9806030.
413. 83. P.W. Stephenson, Wilson loop distributions, higher representations and center dominance in $SU(2)$, Nucl.Phys. B539 (1999) 577, hep-lat/9807019.
414. 84. R.W. Haymaker, Confinement studies in lattice QCD, Phys.Rept.315:153-173,1999, hep-lat/9809094.
415. 85. C. Hoelbling, C. Rebbi, V.A. Rubakov, Free energy of an $SU(2)$ monopole - anti-monopole pair, Nucl. Phys. Proc. Suppl. 73 (1999) 527, hep-lat/9809113.
416. 86. J.D. Stack, W. Tucker, Monopoles and vortices in the $SU(2)$ positive plaquette model, Nucl.Phys.Proc. Suppl. 73 (1999) 563, hep-lat/9810011.
417. 87. J.M. Cornwall, Center Vortices, Nexuses, and the Georgi-Glashow Model, hep-th/9901039, Phys.Rev.D59 (1999) 125015.
418. 88. M. Engelhardt, K. Langfeld, H. Reinhardt, O. Tennert, Deconfinement in $SU(2)$ Yang-Mills theory as a center vortex percolation transition, Phys.Rev.D61:054504,2000, hep-lat/9904004.
419. 89. K. Langfeld, Vortex percolation and confinement, Talk given at ECT* International Workshop on Understanding Deconfinement in QCD, Trento, Italy, 1-13 Mar 1999. In *Trento 1999, Understanding deconfinement in QCD* 73-78, hep-lat/9905009.
420. 90. A.A. Darmohval, V.K. Petrov, G.M. Zinovjev, Potential between adjoint sources in arbitrary Representations, hep-lat/9906003.
421. 91. M. Engelhardt, H. Reinhardt, Center projection vortices in continuum Yang-Mills theory, Nucl.Phys. B567 (2000) 249, hep-th/9907139.
422. 92. M. Engelhardt, K. Langfeld, H. Reinhardt, O. Tennert, A picture of the Yang-Mills deconfinement transition and its lattice verification, AIP Conf. Proc. 494 (1999) 464-470, hep-ph/9908370.
423. 93. C. Hoelbling, C. Rebbi, V.A. Rubakov, Potential between external monopole and anti-monopole in $SU(2)$ lattice gluodynamics, Nucl.Phys.Proc.Suppl.83:485-487,2000, hep-lat/9909023.
424. 94. J.M. Cornwall, Center vortices, nexuses, and fractional topological charge, hep-th/9911125 .
425. 95. Sabino Jose Ferreira, Alan D. Sokal, Antiferromagnetic Potts models on the square lattice: A high precision Monte Carlo study, J. of Stat. Phys. 96 (1999), 461, cond-mat/9811345.
426. 96. H. Reinhardt, M. Engelhardt, K. Langfeld, M. Quandt, A. Schafke, Magnetic monopoles, center vortices, confinement and topology of gauge fields, in the Proc. of the International Workshop on Hadron Physics: Effective Theories of Low Energy QCD, Coimbra, Portugal, 10-15 Sep 1999, *Coimbra 1999, Hadron physics* 142-151, hep-th/9911145.
427. 97. M. Engelhardt, H. Reinhardt, Center vortex model for the infrared sector of Yang-Mills theory - confinement and deconfinement, Nucl.Phys. B585:591-613,2000, hep-lat/9912003.
428. 98. T.G. Kovacs, E.T. Tomboulis, Vortices and confinement, Presented at NATO Advanced Research Workshop on Lattice Fermions and Structure of the Vacuum, Dubna, Russia, 5-9 Oct 1999. Published in *Dubna 1999, Lattice fermions and structure of the vacuum* 315-326, hep-lat/9912051.

429. 99. S. Deldar, Potentials between static $SU(3)$ sources in the fat center vortices model, JHEP 0101:013 (2001), hep-lat/9912428.
430. 100. A. Alexandru, R. W. Haymaker, Vortices in $SO(3) \times Z(2)$ simulations, Phys.Rev.D62:074509,2000, hep-lat/0002031.
431. 101. Free energy of an $SU(2)$ monopole- anti-monopole pair, C. Hoebbling, C. Rebbi and V.A. Rubakov, Free energy of an $SU(2)$ monopole-antimonopole pair, Phys.Rev.D63:034506,2001, hep-lat/0003010.
432. 102. M. Engelhardt, Center vortex model for the infrared sector of Yang-Mills theory: topological susceptibility, Nucl.Phys. B585:614, 2000, hep-lat/0004013.
433. 103. J. Gattnar, K.Langfeld, A.Schadke, H. Reinhardt, Center vortex dominance after dimensional reduction of $su(2)$ lattice gauge theory, Phys.Lett.B489:251-258,2000, hep-lat/0005016.
434. 104. S. Cheluvvaraja, Vortices in $SU(2)$ lattice gauge theories, Nucl. Phys. B Proc. Suppl. 94 (2001) 490-493, hep-lat/0006011.
435. 105. L. Del Debbio, A. Di Giacomo, B. Lucini, Vortices, monopoles and confinement, Nucl.Phys. B594:287-300,2001, hep-lat/0006028.
436. 106. M. Pepe and P. de Forcrand, A study of center vortices in $su(2)$ and $su(3)$ gauge theories, Talk given at International Workshop on Non-Perturbative Methods and Lattice QCD, Guangzhou, China, 15-21 May 2000, Published in *Guangzhou 2000, Non-perturbative methods and lattice QCD* 194-203, hep-lat/0008014.
437. 107. P. de Forcrand and M. Pepe, Laplacian center vortices, in the Proc. of the Int. Symp. Quantum Chromodynamics and color confinement, Osaka, Japan, 2000 World Scientific (2001) p. 141-149, hep-lat/0008013.
438. 108. K.Langfeld and A. Schafke, Vortex dominance of the $0+$ and $2+$ glueball mass in $SU(2)$ lattice gauge theory, Phys.Lett.B493:350-355,2000, hep-lat/0008023.
439. 109. A. Alexandru, R. W. Haymaker, Simulations in $SO(3) \times Z(2)$ lattice gauge theory, in the Proc. of the Int. Symp. Quantum Chromodynamics and color confinement, Osaka, Japan, 2000 World Scientific (2001) p. 160-169, hep-lat/0009011.
440. 110. A.C. Davis, T.W.B. Kibble, A. Rajantie and H. Shamanah Topological defects in lattice gauge theories, JHEP 0011:010 (2000), hep-lat/0009037.
441. 111. H. Reinhardt, T. Tok, Abelian and center gauges in continuum Yang-Mills theory, hep-th/0009205
442. 112. M. Garcia Perez, QCD vacuum structure, Plenary talk at 18th International Symposium on Lattice Field Theory (Lattice 2000), Bangalore, India, 17-22 Aug 2000, Published in Nucl.Phys.Proc.Suppl.94:27-34,2001. Also in *Bangalore 2000, Lattice field theory* 27-34, hep-lat/0011026
443. 113. A.D. Sokal and A.O. Starinets Pathologies of the large N limit for $RP^{**}(N-1)$, $CP^{**}(N-1)$, $QP^{**}(N-1)$ and mixed isovector / isotensor sigma models, Nucl.Phys. B601:425-502,2001, hep-lat/0011043.
444. 114. H. Reinhardt and T. Tok Abelian and center gauge fixing in continuum Yang-Mills theory for general gauge groups, Phys.Lett.B500:173-182,2001, hep-th/0011068.
445. 115. O. Tennert, Vortex Condensation and Confinement in Centre-Projected Lattice YangMills Theory, **PhD** thesis (2000) Eberhard-Karls-Universitat Tuingen.
446. 116. K. Langfeld, H. Reinhardt, A. Schafke, Center vortex properties in the Laplace center gauge of $SU(2)$ Yang-Mills theory, Phys.Lett.B504:338-344,2001, hep-lat/0101010.
447. 117. P. Cea, L. Cosmai, Monopole and vortex condensation in lattice pure gauge theories Bari-Th-408-2001, JHEP (11): Art. No. 064 Nov (2001), hep-lat/0103019.
448. 118. R. Bertle, M. Engelhardt, M. Faber, Topological susceptibility of Yang-Mills center projection vortices, Phys.Rev. D64:074504, 2001, hep-lat/0104004.

449. 119. J. Frohlich, P.A. Marchetti, Monopole fields from vortex sheets reconciling Abelian and center dominance, Nucl.Phys.B Proc.Suppl. 106:47-52, 2002, hep-lat/0110193.
450. 120. H. Reinhardt, Topology of Center Vortices, Nucl.Phys. B628:133-166, 2002, hep-th/0112215.
451. 121. H. Reinhardt and T. Tok, Merons and instantons in laplacian abelian and center gauges in continuum YangMills theory, PL B 505 (2001) 131-140.
452. 122. M.Engelhardt, Center vortex model for the infrared sector of Yang-Mills theory: Quenched Dirac spectrum and chiral condensate, Nucl.Phys. B638:81-110,2002, hep-lat/0204002.
453. 123. H. Reinhardt, Topology of Center Vortices, Talk given at NATO Advanced Research Workshop on Confinement, Topology, and other Nonperturbative Aspects of QCD, Stara Lesna, Slovakia, 21-27 Jan 2002, hep-th/0204194.
454. 124. J.M. Cornwall, N. Graham, Sphalerons, knots, and dynamical compactification in Yang-Mills-Chern-Simons theories, Phys.Rev.D66:065012,2002, hep-th/0205257.
455. 125. S. Cheluvajara, A Phase transition due to thick vortices in SU(2) lattice gauge theory, 20th International Symposium on Lattice Field Theory (Lattice 2002), Boston, Massachusetts, 24-29 Jun 2002, Nucl. Phys. B Proc. suppl. 119: 745-747 (2003), hep-lat/0209016.
456. 126. R. Bertle, M. Faber, Vortices, confinement and Higgs fields, in the Proc. of the 5th Int. Conf. Gargnano, Brescia, Italy, 2002 Quark Confinement and the Hadron Spectrum, World Scientific (2003) p. 3-12, hep-lat/0212027 .
457. 127. M. Garcia Perez, A few basic notions on instantons and confinement, ECT* Conference on the Spin Structure of the Proton, Trento, Italy, 23-28 Jul 2001, Nucl. Phys. B Proc. suppl. 105: 52-55 (2002).
458. 128. L. Del Debbio, Mechanisms of confinement, in the proc. of the conf. in Frascati 2002, Quark- gluon plasma and heavy ion collisions, World Scientific Publishing, Singapore (2002) p. 259.
459. 129. H. Reinhardt, T. Tok, Spectral flow of the Dirac spectrum in intersecting vortices, Phys. Rev. D 68 (6): Art. No. 065004 (2003), hep-th/0302100.
460. 130. J.M. Cornwall, Relativistic center-vortex dynamics of a confining area law, Phys.Rev.D69:065019,2004, hep-th/0304182.
461. 131. R. Zucchini, Global aspects of abelian and center projections in SU(2) gauge theory, hep-th/0306287.
462. 132. M. Engelhardt, M. Quandt, H. Reinhardt, Center vortex model for the infrared sector of SU(3) Yang-Mills theory - confinement and deconfinement, Nucl.Phys.B685:227-248,2004, hep-lat/0311029.
463. 133. S. Cheluvajara, Thick vortices in SU(2) lattice gauge theory, hep-lat/0405018.
464. 134. J.M. Cornwall, A three-dimensional scalar field theory model of center vortices and its relation to K-string tensions, Phys.Rev.D70:065005,2004, hep-th/0406084.
465. 135. C. Feuchter, H. Reinhardt, Variational solution of the Yang-Mills Schrodinger equation in Coulomb gauge, Phys.Rev.D70:105021 (2004), hep-th/0408236.
466. 136. S. Deldar, Sh. Rafibakhsh, SU(4) string tensions from the fat-center-vortices model, Eur.Phys.J.C42:319-324,2005, hep-ph/0411184.
467. 137. Ch. Korn, H. Reinhardt, T. Tok, Free energy of thick center vortices, hep-th/0412236.
468. 138. M. Quandt, H. Reinhardt, M. Engelhardt, Center vortex model for the infrared sector of SU(3) Yang-Mills theory - vortex free energy, Phys.Rev.D71:054026,2005, hep-lat/0412033.
469. 139. J. A. Magpantay, A Confining Non-Local Four-Fermi Interaction from Yang-Mills Theory in a Stochastic Background, hep-th/0412106v2.
470. 140. L. Li and Y. Meurice, About a possible 3rd order phase transition at $t=0$ in 4-d gluodynamics, hep-lat/0507034.

471. 141. L. Li, Y. Meurice, Is there a third-order phase transition in quenched QCD? PoS LAT2005:258,2005, hep-lat/0509096.
472. 142. M. Pepe, Confinement and the center of the gauge group, PoS LAT2005:017,2005, hep-lat/0510013.
473. 143. Ph. de Forcrand, C. Korthals-Altes, O. Philipsen, Screening of $Z(N)$ monopole pairs in gauge theories, Nucl.Phys.B742:124-141,2006, hep-ph/0510140.
474. 144. J. Gattnar, Aspects of Confinement in Lattice Gauge Field Theory, dissertation, Tubingen (2005).
475. 145. G. Burgio, M. Fuhrmann, W. Kerler, M. Muller-Preussker, Vortex free energy and deconfinement in center-blind discretizations of Yang-Mills theories, Phys.Rev.D74:071502 (2006), hep-th/0608075.
476. 146. C. Feuchter, Yang-Mills-Theory in Coulombbeichung, **PhD** thesis, Tubingen, 2006.
477. 147. M. Pepe, U.J. Wiese, Exceptional Deconfinement in $G(2)$ Gauge Theory, Nucl.Phys.B768 (2007) 21, hep-lat/0610076.
478. 148. G. Jordan, R. Höllwieser, M. Faber, U. M. Heller, Tests of the lattice index theorem, Phys. Rev. D 77, 014515 (2008), arXiv:0710.5445 [hep-lat].
479. 149. M. Faber, G. Jordan, R. Höllwieser, Topology, center vortices, confinement and chiral symmetry breaking in $SU(2)$ lattice QCD, in the Proc. of the Int. School seminar, New physics and Quantum Chromodynamics at External Conditions (3-6 May 2007, Dnipropetrovsk, Ukraine) (2007) pp. 27-37.
480. 150. G.M. Zinovjev, V.K. Petrov, K.V. Petrov, V.P. Shelest, Finite-temperature gluodynamics with test charges in various representations, Theor.Math.Phys.152 (2007) 1266, Teor.Mat.Fiz.152:466-475,2007.
481. 151. Kei-Ichi Kondo, Magnetic monopoles and center vortices as gauge-invariant topological defects simultaneously responsible for confinement, J.Phys.G35:085001,2008, arXiv:0802.3829 [hep-th].
482. 152. H. Reinhardt, The Dielectric function of the QCD vacuum, Phys.Rev.Lett.101:061602,2008, arXiv:0803.0504 [hep-th].
483. 153. T. Kanazawa, A Theorem concerning twisted and untwisted partition functions in $U(N)$ and $SU(N)$ lattice gauge theories, Phys. Lett. B 670 (2009) 421, arXiv:0805.2742 [hep-lat].
484. 154. M. D. Epple, Loesung der Dyson-Schwinger-Gleichungen des Hamilton-Zugangs zur Yang-Mills-Theorie in Coulomb-Eichung, **PhD** thesis, Tubingen (2008).
485. 155. M. Quandt, H. Reinhardt, G. Burgio, The role of center vortices in Gribov's confinement scenario, Phys. Rev. D 81 (2010) 065016, arXiv:1001.3699 [hep-lat].
486. 156. R. Höllwieser, M. Faber and Urs M. Heller, Lattice Index Theorem and Fractional Topological Charge, arXiv:1005.1015 [hep-lat].
487. 157. R. Höllwieser, M. Faber and Urs M. Heller, Spherical Vortices, Fractional Topological Charge and Lattice Index Theorem in $SU(2)$ LGT, The XXVIII International Symposium on Lattice Field Theory, Lattice2010 June 14-19, 2010 Villa Simius, Italy, PoS (Lattice 2010) 276.
488. 158. R. Höllwieser, M. Faber and Urs M. Heller, Violations of the lattice index theorem for spherical center vortices, 9th International Conference on Quark Confinement and the Hadron Spectrum, QCHS IX; Madrid; 30 August 2010 through 3 September 2010, AIP Conference Proceedings, v. 1343 (2011) 227-229.
489. 159. M. Engelhardt, Center vortex model for the infrared sector of $SU(3)$ Yang-Mills theory: Topological susceptibility, Phys. Rev. D83 (2011) 025015, arXiv:1008.4953 [hep-lat].
490. 160. S. Deldar, H. Lookzadeh, S. Mohsen H. Nejad, Center vortex model and the $G(2)$ gauge group, arXiv:1011.5952 [hep-ph], 9th International Conference on Quark Confinement and the Hadron Spectrum, QCHS IX; Madrid; 30 Aug 2010- 3 Sep 2010, AIP Conference Proceedings vol. 1343 (2011) 224-226.
491. 161. R. Höllwieser, M. Faber, U.M. Heller, Intersections of thick Center Vortices, Dirac Eigenmodes and Fractional Topological Charge in $SU(2)$ Lattice Gauge Theory, JHEP 06 (2011) 052 , arXiv:1103.2669 [hep-lat].

492. 162. R. Höllwieser, M. Faber, U.M. Heller, Critical analysis of topological charge determination in the background of center vortices in SU(2) lattice gauge theory, Phys.Rev. D 86 (2012) 014513, arXiv:1202.0929 [hep-lat].
493. 163. A. L. L. de Lemos, L.E. Oxman, B.F. Teixeira, Derivation of an Abelian effective model for instanton chains in 3D Yang-Mills theory, Phys. Rev. D 85 (2012) 125014.
494. 164. J. Moosmann and R. Hofmann, Evolving Center-Vortex Loops, ISRN Mathematical Physics Vol. 2012 (2012), Article ID 236783.
495. 165. J. Moosmann and R. Hofmann, Center-Vortex Loops with One Self-Intersection ISRN Mathematical Physics, vol. 2012 (2012), Article ID 601749.
496. 166. R. Höllwieser, T. Schweigler, M. Faber, U.M. Heller, Center vortices and topological charge, Talk at Quark confinement and hadron spectrum, 8-12 October, 2012, Munich, Germany, Proc. of Science, SISSA, conferences - PoS (Confinement X) 078 (2012).
497. 167. T. Schweigler, R. Höllwieser, M.Faber, U.M. Heller, Colorful SU(2) center vortices in the continuum and on the lattice, Phys. Rev. D 87 (2013) 054504, arXiv:1212.3737 [hep-lat].
498. 168. R. Höllwieser, T. Schweigler, M. Faber, U.M. Heller, Center Vortices and Chiral Symmetry Breaking in SU(2) Lattice Gauge Theory, Phys. Rev. D 88 (2013) 114505, arXiv:1304.1277 [hep-lat].
499. 169. G. Burgio, 't Hooft loop and the phases of SU(2) LGT , PoS(Lattice 2013) 493, Proceedings (2014), arXiv:1311.4307 [hep-lat].
500. 170. L.E. Oxman, G. C. Santos Rosa, B.F.I. Teixeira, Coloured loops in 4D and their effective field representation, J.Phys. A47 (2014) 305401, arXiv:1402.0456.
501. 171. SMH Nejad, S Deldar , Contributions of the center vortices and vacuum domain in potentials between static sources, JHEP 1503 (2015) 016 , arXiv preprint arXiv:1411.2717.
502. 172. R. Hllwieser, D. Altarawneh, M. Engelhardt, Random center vortex lines in continuous 3D space-time, arXiv:1411.7089 [hep-lat] .
503. 173. G. Burgio, H. Reinhardt, Topological order and the vacuum of Yang-Mills theories Phys.Rev. D91 (2015) 2, 025021 , arXiv:1412.1762 [hep-lat] .
504. 174. R. Hllwieser, M. Engelhardt, Approaching SU(2) gauge dynamics with smeared Z(2) vortices, arXiv:1503.00016.

Ref. 12: [155]

505. 1. G. Munster, Vortex free energy and string tension at strong and intermediate coupling, PL B95 (1980) 59.
506. 2. G. Munster, On the characterization of the higgs phase in lattice gauge theories, Zeit.Phys. C 6 (1980) 175.
507. 3. H. Ruck, Solitons in cyclic symmetric field theories, NP B167, (1980) 320.
508. 4. J. Fröhlich, Phys.Rep. 67 (1980) 137.
509. 5. A. Balachandran,G. Marmo, B.S. Skagerstam, A. Stern, Magnetic monopoles with no strings, NP B162 (1980) 385.
510. 6. N.S. Craigie, Quantum chromodynamics: a theory of the nuclear force, preprint Trieste, IC/80/62, In Nathiagali 1980, Proceedings, Physics and Contemporary Needs, Vol. 5, 423-502.
511. 7. L. Yaffe, Confinement in SU(N) lattice gauge theories, Phys.Rev. D 21 (1980) 1574.
512. 8. R.P. Feynman, The qualitative behavior of Yang-Mills theory in 2 + 1 dimensions, NP B188 (1981) 479.

513. 9. M. Gopfert, $Z(2)$ vortices and the $SU(2)$ string tension, NP B190 (1981) 151.
514. 10. R.C. Brower, D.A. Kessler, H. Levine, Monopole Condensation and the Lattice-Quantum-Chromodynamics Crossover, Phys.Rev.Lett. 47 (1981) 621.
515. 11. G. Munster, High-temperature expansions for the free energy of vortices and the string tension in lattice gauge theories, NP B180 (1981) 23.
516. 12. E. Tomboulis, 't Hooft loop in $SU(2)$ lattice gauge theories, Phys.Rev. D 23 (1981) 2371.
517. 13. L. Boya, C. Gomez, Confinement and holonomy, Phys.Rev. D 23 (1981) 1335.
518. 14. H. Grosse, C.B. Lang, H. Nicolai, Equivalence of the Z_4 and the $Z_2 \times Z_2$ lattice gauge theories, PL B98 (1981) 69.
519. 15. T. Yoneya, A path-functional field theory of lattice gauge models and the large- N limit, NP B183 (1981) 471.
520. 16. Z. Ezawa, A. Iwasaki, Z_N topology and charge confinement in $SU(N)$ Higgs models, Phys.Rev. D 23 (1981) 3036.
521. 17. S. Guo, A model of monopole condensation, preprint ICLA/81/TEP/11, May 1981.
522. 18. J. Greensite, B. Lautrup, Monte carlo support for the fluxon confinement mechanism, preprint Copenhagen, Niels Bohr Inst., NBI-HE-81-4, Mar 1981.
523. 19. M. Ogilvie, Global phase structure of a three parameter lattice gauge theory, preprint Maryland MdDP- PP- 82- 068, Oct. 1981.
524. 20. T. Yoneya, Inequalities for magnetic-flux free energies and confinement in lattice gauge theories, NP B205 (1982) 130.
525. 21. E. Tomboulis, On The Absence Of Phase Transition In $Su(2)$ Gauge Theory, Phys.Rev. D 25 (1982) 606.
526. 22. R.C. Brower, D.A. Kessler, H. Levine, Dynamics of $SU(2)$ lattice gauge theories, NP B205 (1982) 77.
527. 23. R. Brower, D. Kessler, H. Levine, The onset of asymptotically free scaling, Phys.Rev.D26 (1982) 959.
528. 24. P. Mitra, Three-dimensional $Z(N)$ lattice gauge models at large N , NP B210 (1982) 125.
529. 25. F. Klinkhamer, Quark deconfinement at high temperature and thick vortices, Zeit.Phys. C 16 (1982) 163.
530. **26.** E. Seiler, Gauge Theories as a Problem of Constructive Quantum Field Theory and Statistical Mechanics, book, Lect.Notes in Phys. 159 (1982).
531. 27. J. Fröhlich, T. Spencer, Massless phases and symmetry restoration in abelian gauge theories and spin systems, CMP 83 (1982) 411.
532. 28. J. Kiskis, Numerical study of flux patterns in non-Abelian lattice gauge theory, Phys.Rev. D 28 (1983) 2637.
533. 29. J. Kogut, The lattice gauge theory approach to quantum chromodynamics, Rev.Mod.Phys. 55 (1983) 775.
534. 30. T. Yoneya, Confinement by thick magnetic vortices, Lect. Notes in Phys. 176 (1983) 79.
535. 31. E. Tomboulis, Permanent Confinement In Four-Dimensional Nonabelian Gauge Theory, Phys. Rev.Lett. 50 (1983) 885.
536. 32. J. Drouffe, J.-B. Zuber, Strong Coupling and Mean Field Methods in Lattice Gauge Theories, Phys.Rep. 102 (1983) 1.
537. 33. H. Kastrup, Canonical Theories Of Dynamical Systems In Physics, Phys.Rep. 101 (1983) 3.
538. 34. Y. Makeenko, The Monte Carlo method in lattice gauge theories, Usp.Fiz.Nauk 143 (1984) 161.

539. 35. R. Akhoury, Duality and the phases of massive gauge-invariant QCD, NP B234 (1984) 533.
540. 36. V.A. Malyshev, E.N. Petrova, Duality transformations of Gibbs random fields, Journal of Mathematical Sciences, v. 21, N6 (1983) 877.
541. 37. N. Hari Dass, P.G. Lauwers, A. Patkos, On the presence of lower dimensional confinement mechanisms in 4D SU_2 lattice gauge theory, PL B136 (1984) 395.
542. 38. G. Tiktopoulos, Mechanism of chiral symmetry breakdown in quantum chromodynamics, NP B234 (1984) 228.
543. 39. J. Bricmont, J. Fröhlich, Defect free energies in lattice gauge theories with matter fields, NP B230 (1984) 407.
544. 40. H. Meyer-Ortmanns, The vortex free energy in the screening phase of the $Z(2)$ Higgs model, NP B235 (1984) 115.
545. 41. Yi-C. Zhang, Quenching approaches in lattice gauge theories, preprint SISSA 67/84/E.P. Dec. 1984. (nepublikuvan)
546. 42. G. Halliday, Lattice field theories, Rep.Prog.Phys. 47 (1984) 987.
547. 43. T.A. Kozhamkulov, S.B. Khokhlachev, Lattice gauge theories with partly separable variables, Theor. Math.Phys. 62 (1985) 210.
548. 44. V.M. Emelyanov, Magnetic sources and Bianchi identities in lattice gauge theories, Sov.J.Nucl.R. 42 (1985) 650.
549. 45. J.B. Zuber, Introduction to lattice gauge theories, in proceed. of Winter school of theoretical physics, 1982 Karpacz, Poland, published as Gauge field theories: theoretical studies and computer simulations (1986) edit. W. Garczynski.
550. 46. J. Jurkiewicz, Weak Coupling Expansion in Lattice Gauge Theories, Acta Phys.Pol. B 18 (1987) 311.
551. 47. K. Fredenhagen, M. Marcu, Dual interpretation of order parameters for lattice gauge theories with matter fields, Nucl. Phys. B (Proc.Suppl.) 3 (1988) p.352.
552. 48. J. Polonyi, Chromomagnetic monopoles, in Lattice Gauge Theory 86, NATO ASI Series Volume 159, (1987) 295.
553. 49. H.G. Evertz, M. Marcu, preprint DESY 88/133, September 1988. Invited lecture given at 12th Johns Hopkins Workshop on Current Problems in Particle Theory, TeV Physics, Baltimore, MD, Jun 8-10, 1988. Published in Johns Hopkins Workshop (1988) p. 217.
554. 50. R.L. Stuller, Paramagnetic instability and vortex condensation in compact continuum $su(n)$ gauge theory, preprint Brookhaven BNL-42138, November 1988. Submitted to Ann. Phys. (nepublikuvan)
555. 51. B.A. Berg, A.H. Billoire, Pure lattice gauge theory in intermediate volumes. 1., Phys.Rev. D 40 (1989) 550.
556. 52. R.D. Mawhinney, An investigation of $Z(2)$ vortices in $SU(2)_3$, NP B 321 (1989) 653.
557. 53. J. Smit, A. van der Sijs, Monopoles and confinement, Nucl.Phys. B355 (1991) 603-648.
558. 54. V.G. Bornyakov, M. Creutz, V.K. Mitryushkin, Modified wilson action and $Z(2)$ artifacts in $SU(2)$ lattice gauge theory., BNL-46482, Jul 1991. Phys.Rev.D44 (1991) 3918-3923.
559. 55. V.G. Bornyakov, V.K. Mitryushkin, M. Muller-Preussker, modified $U(1)$ lattice gauge theory: towards realistic lattice QED. (Humboldt U., Berlin), HU-BERLIN-IEP-92-5, Sep 1992. (nepublikuvan)
560. 56. E.T. Tomboulis, Dynamical monopoles and confinement, preprint UCLA-92-TEP-28, May 1992. 14pp. Talk given at International Seminar on Quarks (Quarks 92), Zvenigorod, Russia, 11-17 May 1992. Published in Zvenigorod Quarks 1992:95-108.
561. 57. V.G. Bornyakov, V.K. Mitryushkin, M. Muller-Preussker, deconfinement transition and abelian monopoles in $SU(2)$ lattice gauge theory. BI-TP-91-39, Nov 1991. Phys.Lett.B284 (1992) 99-105.

562. 58. E.T. Tomboulis, Confinement via dynamical monopoles, Phys.Lett. 303B (1993) 103.
563. 59. I.I. Kogan, G.W. Semenoff, N. Weiss, Induced QCD and hidden local Z_N symmetry, Phys. Rev. Lett., v. 69 (1992), 3435.
564. 60. J. Fingberg, U.M. Heller, V. Mitryushkin, Scaling in the positive plaquette model and universality in $SU(2)$ lattice gauge theory. FSU-SCRI-94-71, Jul 1994. 35pp. : hep-lat@ftp.scri.fsu.edu - 9407011 Nucl.Phys. B435 (1995) 311.
565. 61. O.A. Borisenko, V.K. Petrov, G.M. Zinoviev Induced Chern-Simons term in lattice QCD at finite temperature. (Kiev, ITF), ITF-92-19E, n.d. hep-lat@ftp.scri.fsu.edu - 9311035.
566. 62. O.A. Borisenko, V.K. Petrov, G.M. Zinoviev, J. Bohacik, Phase structure and confining properties of noncompact gauge theories, hep-lat/9508001.
567. 63. O. Borisenko, V. Petrov, G. Zinoviev, Confining properties of noncompact gauge theories at finite temperature, Nucl. Phys. B (Proc. Suppl.) 42 (1995) 466.
568. 64. J. Fingberg, U.M. Heller, V. Mitryushkin, Scaling in the positive plaquette model and universality in $SU(2)$ lattice gauge theory, FSU-SCRI-94-71, hep-lat/9507011.
569. 65. J. Cornwall, Baryon Wilson loop area law in QCD, Phys.Rev.D54(1996) 6527, hep-th/9605116.
570. 66. J.Stack, S.Neiman, Confinement by monopoles in the positive plaquette model of $su(2)$ lattice gauge theory, SWAT-96-97, hep-lat/9601019; Phys.Lett.B377:113-116 (1996).
571. 67. O.A. Borisenko, V.K. Petrov, G.M. Zinoviev, J. Bohacik, Phase structure and confining properties of noncompact gauge theories. 2. $Z(N)$ Wilson loop and effective noncompact model, hep-lat/9602001.
572. 68. A. van der Sijs, Monopoles and confinement in $SU(2)$ gauge theory (Amsterdam 1991) **PhD** thesis
573. 69. O. Borisenko, M. Faber, G.Zinoviev, K. Petrov, Domain walls, $Z(N)$ charge and $A(O)$ condensate:A canonical ensemble study, hep-lat/9610034.
574. 70. T.G. Kovacs, E.T. Tomboulis, $SO(3)$ monopoles, vortices and confinement in $S(2)$ gauge theories, UCLA-96-TEP-23; hep-lat/9607068; Nucl.Phys.Proc.Suppl.53:509-511 (1997).
575. 71. P. Skala, M. Faber, M. Zach, On the influence of color magnetic currents on the confining properties of $su(3)$ lattice gauge theory, hep-lat/9706013.
576. 72. S. Chelubaraja, Dual variables for the $SU(2)$ lattice gauge theory at finite temperature, TIFR-TH-97-48, hep-lat/9709021.
577. 73. T.G. Kovacs, E.T. Tomboulis, Vortices and confinement at weak coupling, UCLA-97-TEP-22, hep-lat/971109.
578. 74. J. M. Cornwall, Center vortices and confinement vs. screening. UCLA-97-TEP-30, Phys.Rev.D57 (1998) 7589; hep-th/9712248
579. 75. A. Polchinsky, Aspects of hadron and instanton physics in lattice quantum field theories, **PhD** thesis (1997) MIT, USA .
580. 76. V.K. Petrov, Scaling in a toy model of gluodynamics at finite temperatures. ITP-98-25-E, Mar 1998. 33pp. hep-lat/9803019
581. 77. J.M. Cornwall, Nexus solitons in the center vortex picture of qcd. UCLA-98-TEP-16, hep-th/9806007, Phys.Rev.D58 (1998) 105028.
582. 78. M. Grady, Gauge invariant $SO(3)$ - Z_2 monopoles as possible source of Confinement in $SU(2)$ lattice gauge theory. SUNY-FRE-98-09, hep-lat/9806024
583. 79. T.G. Kovacs, E.T. Tomboulis, Absence of confinement in the absence of vortices, JMP 40 (1999) 4677, hep-lat/9806030
584. 80. P.W. Stephenson, Wilson loop distributions, higher representations and center dominance in $SU(2)$, Nucl.Phys. B539 (1999) 577, hep-lat/9807019.

585. 81. Rajiv V. Gavai, Manu Mathur, $Z(2)$ Monopoles and deconfinement phase transition in $SU(2)$ lattice gauge theory, TIFR-TH-98-28, hep-lat/9807036
586. 82. C. Hoelbling, C. Rebbi, V.A. Rubakov, Free energy of an $SU(2)$ monopole - anti-monopole pair, Nucl. Phys. Proc. Suppl. 73 (1999) 527, hep-lat/9809113.
587. 83. R.W. Haymaker, Confinement studies in lattice QCD, Phys. Rept. 315 (1999) 153, hep-lat/9809094.
588. 84. O. Borisenko, P. Skala, May vortices produce a mass gap in 2-d spin models at weak coupling, hep-lat/9812020.
589. 85. J.M. Cornwall, Center Vortices, Nexuses, and the Georgi-Glashow Model, Phys.Rev.D59:125015,1999, hep-th/9901039,
590. 86. M. Engelhardt, K. Langfeld, H. Reinhardt, O. Tennert, Deconfinement in $SU(2)$ Yang-Mills theory as a center vortex percolation transition, Phys.Rev.D61:054504,2000, hep-lat/9904004.
591. 87. K. Langfeld, Vortex percolation and confinement, Talk given at ECT* International Workshop on Understanding Deconfinement in QCD, Trento, Italy, 1-13 Mar 1999. hep-lat/9905009
592. 88. R. V. Gavai, M. Mathur, $Z(2)$ monopoles, vortices and the universality of the $SU(2)$ deconfinement transition, Phys.Lett.B458:331-337,1999, hep-lat/9905030.
593. 89. A.A. Darmohval, V.K. Petrov, G.M. Zinovjev, Potential between adjoint sources in arbitrary representations, hep-lat/9906003
594. 90. M. Engelhardt, H. Reinhardt, Center projection vortices in continuum Yang-Mills theory, Nucl.Phys. B567:249, 2000, hep-th/9907139
595. 91. M. Engelhardt, K. Langfeld, H. Reinhardt, O. Tennert, A picture of the Yang-Mills deconfinement transition and its lattice verification, Invited talk at 11th Int. Light-Cone School and Workshop: New Directions in Quantum Chromodynamics, Seoul, Korea, 26.5 -26.6 1999, In AIP Conf.Proc.494:464-470,1999, hep-ph/9908370.
596. 92. C. Hoelbling, C. Rebbi, V.A. Rubakov, Potential between external monopole and anti-monopole in $SU(2)$ Lattice gluodynamics, Submitted to 17th International Symposium on Lattice Field Theory (Lattice 99), Pisa, Italy, 29 Jun - 3 Jul 1999, Nucl.Phys.Proc.Suppl.83:485-487,2000, hep-lat/9909023
597. 93. H. Reinhardt, M. Engelhardt, K. Langfeld, M. Quandt, A. Schafke, Magnetic monopoles, center vortices, confinement and topology of gauge fields, Invited talk at International Workshop on Hadron Physics: Effective Theories of Low Energy QCD, Coimbra, Portugal, 10-15 Sep 1999, In *Coimbra 1999, Hadron physics* 142-151. hep-th/9911145 .
598. 94. M. Engelhardt, H. Reinhardt, Center vortex model for the infrared sector of Yang-Mills theory - confinement and deconfinement, Nucl.Phys. B585:591-613,2000 hep-lat/9912003.
599. 95. T.G. Kovacs, E.T. Tomboulis, Vortices and confinement, presented at NATO Advanced Research Workshop on Lattice Fermions and Structure of the Vacuum, Dubna, Russia, 5-9 Oct 1999. Published in *Dubna 1999, Lattice fermions and structure of the vacuum* 315-326, hep-lat/9912051.
600. 96. S. Deldar, Potentials between static $SU(3)$ sources in the fat center vortices model, JHEP 0101:013, (2001) hep-lat/9912428.
601. 97. A. Alexandru, R. W. Haymaker, Vortices in $SO(3) \times Z(2)$ simulations, Phys.Rev.D62 (2000) 074509, hep-lat/0002031.
602. 98. Free energy of an $SU(2)$ monopole- anti-monopole pair, C. Hoelbling, C. Rebbi and V.A. Rubakov, Phys.Rev.D63:034506,2001, hep-lat/0003010.
603. 99. M. Engelhardt, Center vortex model for the infrared sector of Yang-Mills theory: topological susceptibility, Nucl.Phys. B585:614,2000, hep-lat/0004013.
604. 100. J. Gattnar, K.Langfeld, A.Schadke, H. Reinhardt, Center vortex dominance after dimensional reduction of $su(2)$ lattice gauge theory, Phys.Lett.B489:251-258,2000, hep-lat/0005016.

605. 101. G. Munster and C. Kamp, Distribution of instanton sizes in a singlefield instanton gas model, Eur. Phys.J. C17:447-454, 2000, hep-th/0005084
606. 102. O. Borisenko, P. Skala, Vortex condensation and mass gap generation in two-dimensional principal chiral models, Phys.Rev. D16:014502, 2000.
607. 103. S. Cheluvarama, Vortices in $SU(2)$ lattice gauge theories, LSUHE-343-2000, hep-lat/0006011.
608. 104. L. Del Debbio, A. Di Giacomo, B. Lucini, Vortices, monopoles and confinement, Nucl.Phys. B594:287-300,2001, hep-lat/0006028.
609. 105. K.Langfeld, E.M. Ilgenfritz and H. Reinhardt, Gauge invariant vortex vacuum textures and the gluon condensate, Nucl.Phys. B608:125-144,2001, hep-lat/0008017.
610. 106. K.Langfeld and A. Schafke, Vortex dominance of the $0+$ and $2+$ glueball mass in $SU(2)$ lattice gauge theory,Phys.Lett.B493:350-355,2000, hep-lat/0008023.
611. 107. A. Alexandru, R. W. Haymaker , Simulations in $SO(3) \times Z(2)$ lattice gauge theory, Presented at International Symposium on Quantum Chromodynamics (QCD) and Color Confinement (Confinement 2000), Osaka, Japan, 7-10 Mar 2000, Publ. in *Osaka 2000, Quantum chromodynamics and color confinement* 160-169, hep-lat/0009011.
612. 108. A.C. Davis, T.W.B. Kibble, A. Rajantie and H. Shamanah, Topological defects in lattice gauge theories, JHEP 0011:010 (2000), hep-lat/0009037.
613. 109. S. Cheluvarama, Vortices in $SU(2)$ lattice gauge theory, LSUHE-345-2000, Aug 2000. Contributed to 18th International Symposium on Lattice Field Theory (Lattice 2000),Bangalore, India, 17-22 Aug 2000, Nucl.Phys.Proc.Suppl.94:490-493,2001. Also in *Bangalore 2000, Lattice field theory* 490-493 hep-lat/0010042.
614. 110. M. Garcia Perez, QCD vacuum structure, Plenary talk at 18th International Symposium on Lattice Field Theory (Lattice 2000), Bangalore, India, 17-22 Aug 2000, Nucl.Phys.Proc.Suppl.94:27-34,2001. Also in *Bangalore 2000, Lattice field theory* 27-34, hep-lat/0011026.
615. 111. O. Tennert, Vortex Condensation and Confinement in Centre-Projected Lattice YangMills Theory, **PhD** (2000) Eberhard-Karls-Universitat Tubingen.
616. 112. K. Langfeld, H. Reinhardt, A. Schafke, Center vortex properties in the Laplace center gauge of $SU(2)$ Yang-Mills theory, Phys.Lett.B504:338-344,2001, hep-lat/0101010 .
617. 113. P. Cea, L. Cosmai, Abelian monopole and vortex condensation in lattice gauge theories, JHEP (11): Art. No. 064 Nov (2001), hep-lat/0103019 .
618. 114. R. Bertle, M. Engelhardt, M. Faber, Topological susceptibility of Yang-Mills center projection vortices, Phys.Rev.D64:074504,2001, hep-lat/0104004
619. 115. J. Frohlich, P.A. Marchetti, Monopole fields from vortex sheets reconciling Abelian and center dominance, Nucl.Phys.B Proc.Suppl. 106:47-52, 2002, hep-lat/0110193.
620. 116. T.G. Kovacs, E.T. Tomboulis, Vortex waistlines and long range fluctuations, Phys.Rev. D65:074501,2002, hep-lat/0108017.
621. 117. T. G. Kovacs, E.T. Tomboulis, Vortex waistlines and vortex gas, Nucl.Phys.Proc.Suppl.106 (2002) 670, hep-lat/0110123.
622. 118. T. G. Kovacs, E.T. Tomboulis, Vortex waistlines, in the Proc. of the Workshop in Stara Lesna, Slovakia, 2002, Confinement, topology, and other non-perturbative aspects of QCD, NATO Science Series v. 83, Kluwer Academic Publishers, The Netherlands (2002) p. 241-252.
623. 119. H. Reinhardt, Topology of Center Vortices, Nucl.Phys. B628:133-166,2002, hep-th/0112215.
624. 120. H. Reinhardt, Topology of Center Vortices, in the Proc. of the Workshop in Stara Lesna, Slovakia, 2002, Confinement, topology, and other non-perturbative aspects of QCD, NATO Science Series v. 83, Kluwer Academic Publishers, The Netherlands (2002) p. 277-286, hep-th/0204194.

625. 121. O. Borisenko, S. Voloshin, M. Faber, Analytical study of low temperature phase of 3-d LGT in the plaquette formulation, in the Proc. of the Workshop in Stara Lesna, Slovakia, 2002, Confinement, topology, and other non-perturbative aspects of QCD, NATO Science Series v. 83, Kluwer Academic Publishers, The Netherlands (2002) p. 33-41, hep-lat/0204028.
626. 122. M. Garcia Perez, A few basic notions on instantons and confinement, Prepared for ECT* Conference on the Spin Structure of the Proton, Trento, Italy, 23-28 Jul 2001, Nucl. Phys. B-Proc sup 105: 52-55 (2002).
627. 123. S. Chelubaraja, A phase transition due to thick vortices in SU(2) lattice gauge theory, Contributed to 20th International Symposium on Lattice Field Theory (Lattice 2002), Boston, Massachusetts, 24-29 Jun 2002, Nucl. Phys. B-Proc sup 119: 745-747 (2003), hep-lat/0209016.
628. 124. M. Engelhardt, M. Quandt, H. Reinhardt, Center vortex model for the infrared sector of SU(3) Yang-Mills theory - confinement and deconfinement, Nucl. Phys. B 685 (2004) 227-248, hep-lat/0311029.
629. 125. S. Chelubaraja, Thick vortices in SU(2) lattice gauge theory, hep-lat/0405018.
630. 126. C. Feuchter, H. Reinhardt, Variational solution of the Yang-Mills Schrodinger equation in Coulomb gauge, Phys.Rev.D70:105021,2004, hep-th/0408236.
631. 127. M. Quandt, H. Reinhardt, M. Engelhardt, Center vortex model for the infrared sector of SU(3) Yang-Mills theory - vortex free energy, Phys.Rev.D71:054026,2005, hep-lat/0412033.
632. 128. S. Deldar, Sh. Rafibakhsh, SU(4) string tensions from the fat-center-vortices model, Eur.Phys.J.C42:319-324,2005, hep-ph/0411184.
633. 129. O. Borisenko, S. Voloshin, M. Faber, Plaquette representation for 3-d lattice gauge models: I. Formulation and perturbation theory, hep-lat/0508003.
634. 130. M. Quandt, H. Reinhardt, M. Engelhardt, Center vortex model for SU(3) Yang-Mills theory, PoS LAT2005:320,2005, hep-lat/0509114.
635. 131. C. Feuchter, Yang-Mills-Theory in Coulombbeichung, **PhD** thesis, Tübingen, 2006.
636. 132. W. W. Tucker, Topological objects and confinement in non-Abelian lattice gauge theory **PhD**, thesis University of Illinois at Urbana-Champaign, (2005).
637. 133. G.M. Zinovjev, V.K. Petrov, K.V. Petrov, V.P. Shelest, Finite-temperature gluodynamics with test charges in various representations, Theor.Math.Phys.152 (2007) 1266, Teor.Mat.Fiz.152 (2007) 466.
638. 134. K.R.Ito, E.Seiler, On the recent paper on quark confinement by Tomboulis, arXiv:0711.4930 [math-ph].
639. 135. E. T. Tomboulis, Confinement for all values of the coupling in four-dimensional SU(2) gauge theory, arXiv:0707.2179.
640. 136. Kei-Ichi Kondo, Magnetic monopoles and center vortices as gauge-invariant topological defects simultaneously responsible for confinement, J.Phys.G35:085001,2008, arXiv:0802.3829 [hep-th].
641. 137. H. Reinhardt, The Dielectric function of the QCD vacuum, Phys.Rev.Lett.101:061602,2008, arXiv:0803.0504 [hep-th].
642. 138. K. R. Ito, E. Seiler, Further discussion of Tomboulis' approach to the confinement problem, arXiv:0803.3019 [hep-th].
643. 139. T. Kanazawa, A Theorem concerning twisted and untwisted partition functions in U(N) and SU(N) lattice gauge theories, Phys. Lett. B 670 (2009) 421, arXiv:0805.2742 [hep-lat].
644. 140. F. E. Schunck, Magnetic dipole moment of the electron, arXiv:0809.2770.
645. 141. F. E. Schunck, Phenomenological model of the weak interaction, arXiv:0809.3592 [hep-ph].
646. 142. M. D. Epple, Loesung der Dyson-Schwinger-Gleichungen des Hamilton-Zugangs zur Yang-Mills-Theorie in Coulomb-Eichung, **PhD** thesis, Tübingen (2008).

647. 143. T. Kanazawa, Generalizing the TomboulisYaffe inequality to $SU(N)$ lattice gauge theories and general classical spin systems, *Ann. of Phys.* 324, (2009) 1634, arXiv:0808.3442 [math-ph].
648. 144. O. Borisenko, S. Voloshin, and M. Faber, Field strength formulation, lattice Bianchi identities and perturbation theory for non-Abelian models, *NP B816* (2009) 399.
649. 145. K. R. Ito, E. Seiler, Critical discussion of Tomboulis's approach to the confinement problem, 8th Conference Quark Confinement and the Hadron Spectrum September 1-6 2008 Mainz, Germany, *Proc. Sc. -PoS (confinement8)* 034, SISSA, arXiv:0901.4246 [hep-th].
650. 146. M. Quandt, H. Reinhardt, G. Burgio, Role of center vortices in Gribov's confinement scenario, *Phys. Rev. D* 81 (2010) 065016, arXiv:1001.3699 [hep-lat].
651. 147. M. Engelhardt, Center vortex model for the infrared sector of $SU(3)$ Yang-Mills theory: Topological susceptibility, *Phys. Rev. D* 83 (2011) 025015, arXiv:1008.4953 [hep-lat].
652. 148. S. Deldar, H. Lookzadeh, S. Mohsen H. Nejad, Center vortex model and the $G(2)$ gauge group, arXiv:1011.5952 [hep-ph], 9th International Conference on Quark Confinement and the Hadron Spectrum, QCHS IX; Madrid; 30 Aug 2010- 3 Sep 2010, AIP conference proceedings vol. 1343 (2011) 224.
653. 149. P. Dunn, J. Greensite, Scaling properties of Wilson loops pierced by P-vortices, *Phys. Rev. D* 85 (2012) 097501, arXiv:1202.6017 [hep-lat].
654. 150. A. L. L. de Lemos, L.E. Oxman, B.F. Teixeira, Derivation of an Abelian effective model for instanton chains in 3D Yang-Mills theory, *Phys. Rev. D* 85 (2012) 125014.
655. 151. J. Moosmann and R. Hofmann, Evolving Center-Vortex Loops, *ISRN Mathematical Physics Vol. 2012* (2012), Article ID 236783.
656. 152. J. Moosmann and R. Hofmann, Center-Vortex Loops with One Self-Intersection *ISRN Mathematical Physics*, vol. 2012 (2012), Article ID 601749.
657. 153. M. Grady, Direct evidence for a Coulombic phase in monopole-suppressed $SU(2)$ lattice gauge theory, *NPB* 876 (2013) 794, arXiv:1306.6921 [hep-lat].
658. 154. L.E. Oxman, G. C. Santos Rosa, B.F.I. Teixeira, Coloured loops in 4D and their effective field representation, *J.Phys.* A47 (2014) 305401, arXiv:1402.0456.
659. 155. SMH Nejad, S Deldar , Contributions of the center vortices and vacuum domain in potentials between static sources, *JHEP* 1503 (2015) 016, arXiv preprint arXiv:1411.2717.

Ref. 13: [71]

660. 1. L. Yaffe, Confinement in $SU(N)$ lattice gauge theories, *Phys.Rev. D* 21 (1980) 1574.
661. 2. G.Immirzi, A geometric approach to Abelian lattice theories, *Nuovo Cim. A* 58 (1980) 313.
662. 3. H. Ruck, Solitons in cyclic symmetric field theories, *NP B167*, (1980) 320.
663. 4. Y. Iwasaki, Transition from strong to weak coupling in $SU(N)$ lattice gauge theories, *PL B100* (1981) 327.
664. 5. E. Tomboulis, 't Hooft loop in $SU(2)$ lattice gauge theories, *Phys.Rev. D* 23 (1981) 2371.
665. 6. R.C. Brower, D.A. Kessler, H. Levine, Monopole Condensation and the Lattice-Quantum-Chromodynamics Crossover, *Phys.Rev.Lett.* 47 (1981) 621.
666. 7. Y. Makeenko, M.I. Polykarpov, A.I. Veselov, Monte Carlo study of plaquette spectral density, *PL B118* (1982) 133.
667. 8. Y. Goldschmid, J. Shigemitsu, Quantum potts gauge-matter systems at finite temperature, *NP B200* (1982) 149.
668. 9. E. Tomboulis, $SU(2)$ versus $SU(2)/Z_2$ lattice gauge theory and the crossover from weak to strong coupling, *PL B108* (1982) 209.

669. 10. J. Drouffe, K. Moriarty, G. Munster, Numerical studies of phase transitions in SU (N)/ZN lattice gauge theories, PL 115 (1982) 301.
670. 11. K.M. Bitar, S. Gottlieb, C. Zachos, Phys.Rev. D 26 (1982) 2853.
671. 12. I. Montvay, preprint DESY 83 001.
672. 13. J. Drouffe, J.-B. Zuber, Strong Coupling and Mean Field Methods in Lattice Gauge Theories, Phys.Rep. 102 (1983) 1.
673. 14. J. Albery, H. Flyvbjerg, B. Lautrup, Phase structure of variant action lattice gauge theory by mean field theory with correction, NP B220 (1983) 61.
674. 15. E.M. Ilgenfritz, J. Kripfganz, Wilson string distribution in hot gluodynamics - MOnTeCarlo results and instanton estimates, Sov.J.Nucl.R. 38 (1983) 439.
675. 16. G. Halliday, Lattice field theories, Rep.Pr.Phys. 47 (1984) 987.
676. 17. Y. Makeenko, The Monte Carlo method in lattice gauge theories, Usp.Fiz.Nauk 143 (1984) 161.
677. 18. M. Caselle, F. Gliozzi, Vortex condensation and the spectrum of the lowest mass states in two-dimensional σ models, PL B147 (1984) 132.
678. 19. M. Caselle, Monte Carlo analysis of the SO (3) x SO (3) chiral model in two dimensions, Zeit.Phys. C 28 (1985) 233.
679. 20. G. Lazarides, S. Sarantakos, Non-Abelian magnetic flux at high temperatures, Phys.Rev. D 31 (1985) 389.
680. 21. J. Kijowski, G. Rudolph, New lattice approximation of gauge theories, Phys.Rev. D 31 (1985) 856.
681. 22. M. Grady, Alternative scaling hypothesis for SU(2) and SU(3) lattice gauge theories, Zeit.Phys. C 39 (1988) 125.
682. 23. E.T. Tomboulis, Confinement via dynamical monopoles, Phys.Lett. 303B (1993) 103.
683. 24. E.T. Tomboulis, Dynamical monopoles and confinement, preprint UCLA-92-TEP-28, May 1992. Talk given at International Seminar on Quarks (Quarks 92), Zvenigorod, Russia, 11-17 May 1992, publ. in Zvenigorod Quarks (1992) 95-118.
684. 25. E.T. Tomboulis, Monopoles and confinement, Nucl. Phys. (Proc. Suppl.) 30 (1993) 549.
685. 26. T.G. Kovacs, E.T. Tomboulis (UCLA), The SU(2) X SU(2) chiral spin model in terms of SO(3) and Z(2) variables: vortices and disorder. UCLA-93-TEP-39, hep-lat@ftp.scri.fsu.edu - 9311005; Phys.Lett.B321 (1994) 75.
686. 27. P. Altevogt, F. Gutbrod, On the quark-antiquark potential at short distances, NP B452 (1995) 649.
687. 28. J. Cornwall, Baryon Wilson loop area law in QCD, Phys.Rev.D54(1996) 6527, hep-th/9605116.
688. 29. J.Stack, S.Neiman, Confinement by monopoles in the positive plaquette model of $su(2)$ lattice gauge theory, hep-lat/9601019; Phys.Lett.B377:113-116 (1996).
689. 30. T.G. Kovacs, E.T. Tomboulis, SO(3) vortices and disorder in the 2d SU(2) chiral model, PL B 367 (1996) 254.
690. 31. T.G. Kovacs, E.T. Tomboulis, SO(3) monopoles, vortices and confinement in S(2) gauge theories, hep-lat/9607068; Nucl.Phys.Proc.Suppl.53:509-511 (1997).
691. 32. J.M. Cornwall, Center vortices and confinement vs. screening, Phys.Rev.D57 (1998) 7589; hep-th/9712248.
692. 33. V.K. Petrov, Scaling in a toy model of gluodynamics at finite temperatures. ITP-98-25-E; hep-lat/9803019.
693. 34. J.M. Cornwall, Nexus solitons in the center vortex picture of QCD, Phys.Rev.D58 (1998) 5028, hep-th/9806007.

694. 35. T.G. Kovacs, E.T. Tomboulis, Absence of confinement in the absence of vortices, JMP 40 (1999) 4677, hep-lat/9806030.
695. 36. P.W. Stephenson, Wilson loop distributions, higher representations and center dominance in SU(2), Nucl.Phys. B539 (1999) 577, hep-lat/9807019, (1999).
696. 37. Rajiv V. Gaii Manu Mathur, Z(2) monopoles and deconfinement phase transition in SU(2) lattice gauge theory, TIFR-TH-98-28, hep-lat/9807036.
697. 38. R.W. Haymaker, Confinement studies in lattice QCD, hep-lat/9809094. Phys. Rep. 315: (1-3) 153-173 (1999).
698. 39. J. Fröhlich, P.A. Marchetti, Gauge invariant charged, monopole and dyon fields in gauge theories, hep-th/9812004, Nucl.Phys. B551:770-812 (1999).
699. 40. J.M. Cornwall, Center Vortices, Nexuses, and the Georgi-Glashow Model, hep-th/9901039, Phys. Rev. D 59: (12) 5015.
700. 41. R. V. Gaii, M. Mathur, Z(2) monopoles, vortices and the universality of the su(2) deconfinement transition, Phys. Lett. B458 (1999) 331, hep-lat/9905030.
701. 42. A.A. Darmohval, V.K. Petrov, G.M. Zinovjev, Potential between adjoint sources in arbitrary representations, hep-lat/9906003.
702. 43. T.G. Kovacs, E.T. Tomboulis, Vortices and confinement, Presented at NATO Advanced Research Workshop on Lattice Fermions and Structure of the Vacuum, Dubna, Russia, 5-9 Oct 1999, Published in *Dubna 1999, Lattice fermions and structure of the vacuum* 315-326, hep-lat/9912051.
703. 44. S. Deldar, Potentials between static SU(3) sources in the fat center vortices model, JHEP 0101:013 (2001), hep-lat/9912428.
704. 45. A. Alexandru, R. W. Haymaker, Vortices in SO(3) X Z(2) simulations, hep-lat/0002031. Phys. Rev. D 6207: (7) 4509 (2000)
705. 46. S. Chelubaraja, Vortices in SU(2) lattice gauge theories, hep-lat/0006011.
706. 47. A. Alexandru, R. W. Haymaker, Simulations in SO(3) X Z(2) lattice gauge theory, Presented at International Symposium on Quantum Chromodynamics (QCD) and Color Confinement (Confinement 2000), Osaka, Japan, 7-10 Mar 2000, Published in *Osaka 2000, Quantum chromodynamics and color confinement* 160-169, hep-lat/0009011.
707. 48. J. Fröhlich, P.A. Marchetti, An order parameter reconciling abelian and center dominance in su(2) Yang-Mills theory, Phys.Rev.D64:014505,2001, hep-th/0011246.
708. 49. O. Tennert, Vortex Condensation and Confinement in Centre-Projected Lattice Yang Mills Theory, **PhD** thesis (2000) Eberhard-Karls-Universität Tübingen.
709. 50. J. Frohlich, P.A. Marchetti, Monopole fields from vortex sheets reconciling Abelian and center dominance, Contributed to 19th International Symposium on Lattice Field Theory (Lattice 2001), Berlin, Germany, 19-24 Aug 2001, Nucl.Phys.B Proc.Suppl. 106:47-52, 2002, hep-lat/0110193.
710. 51. Ph. de Forcrand and O. Jahn, SO(3) versus SU(2) lattice gauge theory, in the Proc. of the Workshop in Stara Lesna, Slovakia, 2002, Confinement, topology, and other non-perturbative aspects of QCD, NATO Science Series v. 83, Kluwer Academic Publishers, The Netherlands (2002) p. 137, hep-lat/0205026.
711. 52. Ph. de Forcrand, O. Jahn, Vortex free energies in SO(3) and SU(2) lattice gauge theory. Presented at 20th International Symposium on Lattice Field Theory (Lattice 2002), Boston, Massachusetts, 24-29 Jun 2002, Nucl. Phys. B-Proc sup 119: 649-651 (2003), hep-lat/0209060.
712. 53. Ph. de Forcrand, O. Jahn, Comparison of SO(3) and SU(2) lattice gauge theory, Nucl.Phys. B651:125-142,2003, hep-lat/0211004.
713. 54. J. Greensite, The confinement problem in lattice gauge theory, Prog.Part.Nucl.Phys. 51:1, 2003, hep-lat/0301023.

714. 55. A. Barresi, G. Burgio, M. Muller-Preussker, SO(3) vs. SU(2) Yang-Mills theory on the lattice: An investigation at non-zero temperature, in the Proc. of the International Symposium on Color Confinement and Hadrons in Quantum Chromodynamics - Confinement 2003, Wako, Japan, 2003, World Scientific (2004) p. 82-94, and in the contribution to 21st International Symposium on Lattice Field Theory (Lattice 2003), Tsukuba, Ibaraki, Japan, Jul 2003. Published in *Wako 2003, Color confinement and hadrons in quantum chromodynamics,82-94, hep-lat/0312001.
715. 56. A. Barresi, G. Burgio, M. D'Elia, M. Muller-Preussker, A finite temperature investigation of dual superconductivity in the modified SO(3) lattice gauge theory, PL B 599 (2004) 278.
716. 57. M. Engelhardt, M. Quandt, H. Reinhardt, Center vortex model for the infrared sector of SU(3) Yang-Mills theory - confinement and deconfinement, Nucl. Phys. B 685 (2004) 227-248, hep-lat/0311029.
717. 58. S. Deldar, Sh. Rafibakhsh, SU(4) string tensions from the fat-center-vortices model, Eur.Phys.J.C42 (2005) 319, hep-ph/0411184.
718. 59. A. Mironov, A. Morozov, T.N. Tomaras, On the need for phenomenological theory of p-vortices or does spaghetti confinement pattern admit condensed-matter analogies? J.Exp.Theor.Phys.101 (2005) 331, hep-th/0503212.
719. 60. Ph. de Forcrand, C. Korthals-Altes and O. Philipsen, Screening of $Z(N)$ monopole pairs in gauge theories, Nucl.Phys.B742 (2006) 124, hep-ph/0510140.
720. 61. G. Burgio, M. Fuhrmann, W. Kerler, M. Mueller-Preussker, Ergodic SO(3), monopole condensation and vortex free energy, prepared for 23rd International Symposium on Lattice Field Theory: Lattice 2005, Trinity College, Dublin, Ireland, 25-30 Jul 2005, publ. in PoS LAT2005:288 (2006), hep-lat/0607034.
721. 62. A. Barresi, G. Burgio, Fixed twist dynamics of SO(3) gauge theory, Eur. Phys. J. C 49 (2007) 973, hep-lat/0608008.
722. 63. G. Burgio, M. Fuhrmann, W. Kerler, M. Muller-Preussker, Modified SO(3) lattice gauge theory at $T \neq 0$ with parallel tempering: Monopole and vortex condensation, Phys. Rev. D - Particles, Fields, Gravitation and Cosmology 75 (1) (2007) art. no. 014504, hep-lat/0610097.
723. 64. G.M. Zinovjev, V.K. Petrov, K.V. Petrov, V.P. Shelest, Finite-temperature gluodynamics with test charges in various representations, Theor.Math.Phys.152 (2007) 1266 .
724. 65. Kei-Ichi Kondo, Magnetic monopoles and center vortices as gauge-invariant topological defects simultaneously responsible for confinement, J. PHYS. G 35, ssue: 8 Article Number: 085001, arXiv:0802.3829 [hep-th].
725. 66. S. Deldar, H. Lookzadeh, S. Mohsen SMH. Nejad, Center vortex model and the G(2) gauge group, arXiv:1011.5952 [hep-ph], 9th International Conference on Quark Confinement and the Hadron Spectrum, QCHS IX; Madrid; 30 Aug 2010- 3 Sep 2010, AIP conference proceedings vol. 1343 (2011) 224-226.
726. 67. S. Gukov, A. Kapustin, Topological Quantum Field Theory, Nonlocal Operators, and Gapped Phases of Gauge Theories, arXiv:1307.4793 [hep-th].
727. 68. A. Kapustin, R. Thorngren, Topological Field Theory on a Lattice, Discrete Theta-Angles and Confinement, Adv. Theor. and Math. Phys. 18 (2014) 1233-1247, arXiv:1308.2926, 2013.
728. 69. A. Kapustin, N. Seiberg, Coupling a QFT to a TQFT and Duality, JHEP 04 (2014) 001, arXiv:1401.0740 [hep-th].
729. 70. SMH Nejad, S Deldar, Contributions of the center vortices and vacuum domain in potentials between static sources, JHEP 1503 (2015) 016, arXiv preprint arXiv:1411.2717.
730. 71. G. Burgio, H. Reinhardt, Topological order and the vacuum of Yang-Mills theories Phys. Rev. D 91 (2015) Issue: 2, 025021, arXiv:1412.1762 [hep-lat] .

Ref. 14: [4]

731. 1. I.T. Todorov, Applications of conformal invariance to gauge quantum field theory, Lect. Notes in Phys. 201 (1984) 210.

732. 2. V.K. Dobrev, Structural analysis and elementary representations of $SL(4, \mathbb{R})$ and $GL(4, \mathbb{R})$ and their covering groups, JMP 27 (1986) 883.
733. 3. R.P. Zaikov, Slavnov-Taylor identities for Yang-Mills theory in conformal gauge, Int.J.Mod.Phys. A 6:18 (1991) 3235.
734. 4. Ya. Stanev, I.T.Todorov, Towards a conformal GED4 with a nonvanishing current 2-point function, Int. J. Mod. Phys. A vol. 3 No 4 (1988) 1023.

Ref. 15: BJP 10 (1983) II-256-277; [3]

735. 1. V.K. Dobrev and O.Ts. Stoytchev, Structural analysis and elementary representations of $SL(4, \mathbb{R})$ and $GL(4, \mathbb{R})$ and their covering groups, JMP 27 (1986) 883.
736. 2. R.P. Zaikov, Slavnov-Taylor identities for Yang-Mills theory in conformal gauge, Int.J.Mod.Phys. A 6:18 (1991) 3235.
737. 3. Ya. Stanev, I.T.Todorov, Towards a conformal GED4 with a nonvanishing current 2-point function, Int. J. Mod. Phys. A vol. 3 No 4 (1988) 1023.

Ref. 16: [17]

738. 1. I.T. Todorov, Applications of conformal invariance to gauge quantum field theory, Lect. Notes in Phys. 201 (1984) 210.
739. 2. E. d'Emilio, M. Mintchev, Physical charged sectors in quantum electrodynamics. I. Infra?red asymptotics, Fortschr. Phys. 32 (1984) 473.
740. 3. V.K. Dobrev, Elementary representations and intertwining operators for $SU(2,2)$. I, JMP 26 (1985) 235.
741. 4. V.K. Dobrev, Multiplet classification of the reducible elementary representations of real semisimple Lie groups - the $SO_\epsilon(p, q)$ example, LMP 9 (1985) 205.
742. 5. V.K. Dobrev, O.T. Stoytchev, Structural analysis and elementary representations of $SL(4, \mathbb{R})$ and $GL(4, \mathbb{R})$ and their covering groups, JMP 27 (1986) 883.
743. 6. V.K. Dobrev, P. Moylan, Induced representations and invariant integral operators for $SU(2, 2)$, Fortschr. Phys. 42 (1994) 339.
744. 7. H.P. Jakobsen, Conformal covariants, Publ Res I Math Sci 22: (2) 345-364 (1986).
745. 8. V.K. Dobrev, q-difference intertwining operators and q-conformal invariant equations, Acta Appl Math 44: (1-2) 81-116 (1996).
746. 9. V. Dobrev, Intertwining operator realization of the AdS/CFT correspondence, NP B 553 (1999) 559, hep-th/9812194.
747. 10. V.K. Dobrev, New generalized Verma modules and multilinear intertwining differential operators, J. Geom. Phys. 25: (1-2) 1-28 (1998) hep-th/0303179 .
748. 11. V.K. Dobrev, Positive Energy Representations, Holomorphic Discrete Series and Finite-Dimensional Irreps, J. Phys. A: Math. Theor. 41 (2008) 425206, arXiv:0712.4375 [hep-th].
749. 12. V.K. Dobrev, Exceptional Lie Algebra $E_{7(-25)}$ (Multiplets and Invariant Differential Operators), J. Phys. A: Math. Theor. 42 (2009) 285203 , arXiv: 0812.2690 [hep-th].
750. 13. V.K. Dobrev, Invariant Differential Operators for Non-Compact Lie Algebras Parabolically Related to Conformal Lie Algebras., JHEP 02 (2013) 015, arXiv:1208.0409.
751. 14. V.K. Dobrev, Conservation Laws for $SO(p,q)$, in: "Symmetries and Groups in Contemporary Physics", Nankai Series in Pure, Applied Mathematics and Theoretical Physics, Vol. 11 (World Scientific, Singapore (2013), p. 461, arXiv:1210.8067 [math-ph].

752. 15. V.K. Dobrev, Invariant differential operators for non-compact lie groups: Euclidean jordan groups or conformal Lie groups, 20th Int. Conf. on Integrable Systems and Quantum Symmetries, ISQS 2012;Prague;17-13 June 2012; Journal of Physics: Conference Series, Vol. 411, Issue 1 (2013) 012012.
753. 16. V.K. Dobrev, Classification of Invariant Differential Operators for Non-Compact Lie Algebras via Parabolic Relations, J.Phys.Conf.Ser. 512 (2014) 012020, arXiv:1311.7557.
754. 17. I. Todorov, Studying Quantum Field Theory, Bulg. J. Phys. 40 (2013) 93, arXiv:1311.7258.

Ref. C2 : [4]

755. 1. E. d’Emilio, M. Mintchev, Physical charged sectors in quantum electrodynamics. I. Infra-red asymptotics, Fortschr. Phys. 32 (1984) 473.
756. 2. V.K. Dobrev, Elementary representations and intertwining operators for $SU(2,2)$. I, JMP 26 (1985) 235.
757. 3. D.T. Stoyanov, Infinite dimensional Lie algebras connected with four dimensional Laplace operator, preprint SISSA, 10/85/E.P.
758. 4. F. Lledo, Conformal covariance of massless free nets, Rev. Math. Phys. 13 (2001) 1135, math-ph/0006018.

Ref. 17: [27]

759. 1. F. Bayen, M. Flato, C. Fronsdal, and A. Haidari, Conformal invariance and gauge fixing in QED, Phys. Rev. D 32, 26732682 (1985)
760. 2. R. Zaikov, Conformal nonabelian gauge theory, LMP 11 (1986) 189.
761. 3. A.D. Haidari, Conformal quantum YangMills, JMP 27 (1986) 4209.
762. 4. S. Ichinose, Quantum Yang-Mills theories in the manifestly conformal-covariant formalism, NP B272 (1986) 727.
763. 5. R. Zaikov, Conformal invariance in gauge theories II. Yang-Mills theory, Theor.Math.Phys. 67 (1986) 368.
764. 6. M. Humi, Representations and invariant equations of $E(3)$, JMP 28 (1987) 2807.
765. 7. I.V. Kolokolov, M.Ya. Pal’chik, Conformal theory of gauge strings. The Abelian theory, Sov.J.Nucl.R. 45 (1987) 545.
766. 8. P. Nikolov, On the dimensional reduction of invariant fields and differential operators, JMP 28 (1987) 2354.
767. 9. R. Zaikov, Conformal invariance in Weyl gravity, Int.J.Theor.Phys. 26 (1987) 537.
768. 10. R. Zaikov, A new look at the conformal invariance in QFT, LMP 16 (1988) 1.
769. 11. R. Zaikov, Conformal invariance in gauge theories. III. Linear gravitation, Theor.Math.Phys. 75 (1988) 593.
770. 12. R.P. Zaikov, Conformal invariance in perturbative QED, Mod. Phys. Lett. A v. 3 Issue: 7 (1988) 703
771. 13. S. Catani, M. Ciafaloni, M. Nuti, Infrared finite bremsstrahlung and compact time in conformal QED, Nuovo Cim. A 101 (1989) 37.
772. 14. U. Moschella and F. Strocchi, The dipole field model, LMP, v. 19, N. 2 (1990) 143.
773. 15. U. Moschella, Infrared singularities and breaking of the Poincare group: The massless dipole field, J. Math. Phys. 31 (1990) 2480.

774. 16. R.P. Zaikov, Slavnov-Taylor identities for Yang-Mills theory in conformal gauge, *Int.J.Mod.Phys. A* 6:18 (1991) 3235.
775. 17. R.P. Zaikov, S.I. Zlatev, Ward identities and radiative corrections in QED with conformal gauge, *Int. J. of Th. Phys.* 32 (1993) 575.
776. 18. V. Dobrev, Subsingular vectors and conditionally invariant (q-deformed) equations, *J. Phys. A: Math. Gen.* 28 (1995) 7135 - 7155.
777. 19. V. Dobrev, Kazhdan-Lusztig polynomials, subsingular vectors and conditionally invariant (q-deformed) equations, in the Proceedings of the Int. Symp. "Symmetries in Science IX", (August 1996, Bregenz, Austria), eds. B. Gruber et al, Plenum Press, New York and London (1997) p. 47.
778. 20. V. Dobrev, Representations of quantum groups and (conditionally) invariant q-difference equations, in: Proceedings "Quantum Groups and Quantum Spaces", eds. R. Budzynski, W. Pusz and S. Zakrzewski, Banach Center Publications, v. 40, Inst. of Math., Polish Acad. Sci., (Warsaw, 1997) pp. 203-222.
779. 21. C. Codirba, H.Osborn, Conformal invariance and electrodynamics: applications and general formalism, hep-th/9701064. *Ann Phys-New York* 260: (1) 91-116 (1997).
780. 22. V.K. Dobrev, H.-D. Doebner and Ch.B. Mrugalla, Lowest weight representations of the Schrödinger algebra and generalized heat/Schrödinger equations, *Rep.Math.Phys.* 39, Issue 2 (1997) 201.
781. 23. E.S. Fradkin and M.Y. Palchik, New developments in D-dimensional conformal quantum field theory, *Phys. Rep.* 300: (1-2) 2-111 (1998).
782. 24. V.K. Dobrev and M El Falaki, Quantum group $U-q(D-1)$ singular vectors in the Poincaré-Birkhoff-Witt basis, *J. Phys. A Math. Gen.* 33: (36) 6321-6332 (2000).
783. 25. V.N. Zaikin, M.Y. Pal'chik, Conformally invariant regularization and skeleton expansions in gauge theory, *TMP* 128 (3): 1181-1192 (2001).
784. 26. M. Lazar, Group theoretical analysis of light-cone dominated hadronic processes and twist decomposition of nonlocal operators in quantum chromodynamics, **PhD**, hep-ph/0308049.
785. 27. P.A. Nikolov, N.P. Petrov, A local approach to dimensional reduction II. Conformal invariance in Minkowski space, *J. Geom. Phys.* 44 (4): 539-554 (2003).

Ref. 18: [21]

786. 1. M.Ya. Palchik, Conformal invariance in gauge quantum field theory. 2. Conformal transformations of gauge fields, preprint Novosibirsk, IAE, IAEM-287, (1984).
787. 2. R. Zaikov, Conformal nonabelian gauge theory, *LMP* 11 (1986) 189.
788. 3. H. Yamagishi, Quantum Electrodynamics, Phase Shifts and the Kondo Effect, *Prog.Theor.Phys.* 76 (1986) 969, Erratum – *ibid* 89 (1993) 579.
789. 4. A.D. Haidari, Conformal quantum YangMills,, *JMP* 27 (1986) 4209.
790. 5. S. Ichinose, Quantum Yang-Mills theories in the manifestly conformal-covariant formalism, *NP B272* (1986) 727.
791. 6. R. Zaikov, Conformal invariance in gauge theories II. Yang-Mills theory, *Theor.Math.Phys.* 67 (1986) 368.
792. 7. I.V. Kolokolov, M.Ya. Pal'chik, Conformal theory of gauge strings. The Abelian theory, *Sov.J.Nucl.R.* 45 (1987) 545.
793. 8. P. Nikolov, On the dimensional reduction of invariant fields and differential operators, *JMP* 28 (1987) 2354.
794. 9. R. Zaikov, Conformal invariance in Weyl gravity, *Int.J.Theor.Phys.* 26 (1987) 537.

795. 10. R. Zaikov, A new look at the conformal invariance in QFT, LMP 16 (1988) 1.
796. 11. R. Zaikov, Conformal invariance in gauge theories. III. Linear gravitation, Theor.Math.Phys. 75 (1988) 593.
797. 12. R.P. Zaikov, Conformal invariance in perturbative QED, Mod. Phys. Lett. A v. 3 Issue: 7 (1988) 703
798. 13. R.P. Zaikov, Slavnov-Taylor identities for Yang-Mills theory in conformal gauge, Int.J.Mod.Phys. A 6:18 (1991) 3235.
799. 14. R. Zaikov, S.I. Zlatev, Ward identities and radiative corrections in QED with conformal gauge, Int.J. Theor.Phys. 32 (1993) 578.
800. 15. A. Petkou, OPE and consistency relations in a $O(N)$ invariant fermionic CFT for $2 < D < 4$, Phys.Lett. B389 (1996) 18, hep-th/9602054.
801. 16. E.S. Fradkin, M.Ya. Palchik, Conformal quantum field theory in D-dimensions, 1996, book, Kluwer Academic Publishing, the Netherland.
802. 17. C. Codirba, H.Osborn, Conformal invariance and electrodynamics: applications and general formalism, Annals Phys.260 (1997) 91 ;hep-th/9701064
803. 18. E.S. Fradkin, M.Ya. Palchik, New developments in d-dimensional conformal quantum field theory, Phys.Rept.300 (1998) 1-112.
804. 19. V.N. Zaikin, M.Y. Pal'chik, Conformally invariant regularization and skeleton expansions in gauge theory, Theor. Math. Phys. 128 (3) (2001) 1181.
805. 20. O.V. Shaynkman, I.Y. Tipunin, M.A. Vasiliev, Unfolded form of conformal equations in M dimensions and $o(M+2)$ -modules, Rev. in Math. Phys. 18 (8) (2006) 823, hep-th/0401086.
806. 21. R.R. Metsaev, Light-cone formulation of conformal field theory adapted to AdS/CFT correspondence, Phys. Lett. B 636 (3-4) (2006) 227, hep-th/0512330.

Ref. 19: [38]

807. 1. H. Osborn, N=1 superconformal symmetry in four-dimensional quantum field theory. DAMTP-98-101, hep-th/9808041.
808. 2. S. Ferrara, A. Zaffaroni, Superconformal Field Theories, Multiplet Shortening, and the $AdS_5/SCFT_4$ Correspondence, to appear in the proceedings of the Moshe Flato Conference, Dijon, 5-8 September 1999, in *Dijon 1999, Quantization, deformations and symmetries, vol. 1* 177-188, hep-th/9908163.
809. 3. A. Ceresole, G. Dall'Agata, R. D'Auria and S. Ferrara, Superconformal field theories from IIB spectroscopy on $AdS_5 \times T^{11}$, Classical Quant Grav 17: (5) 1017-1025 (2000), hep-th/9910066,
810. 4. E. D'Hoker, J. Erdmenger, D.Z. Freedman and M. Perez-Victoria, Near extremal correlators and vanishing supergravity couplings in ADS/CFT, hep-th/0003218, NP B 589 (2000) 3.
811. 5. E. D'Hoker and B. Piolin, Near extremal correlators and generalised consistent truncation in $AdS(4|7) \times S^{(7|4)}$, JHEP (7): Art. No. 021 JUL (2000), hep-th/2006103.
812. 6. E.D'Hoker, D.Z. Freedman, Supersymmetric gauge theories and the ADS/CFT correspondence, Lectures given at Theoretical Advanced Study Institute in Elementary Particle Physics (TASI 2001): Strings, Branes and Extra Dimensions, Boulder, Colorado, 3-29 Jun 2001, in *Boulder 2001, Strings, branes and extra dimensions* 3-158, hep-th/0201253.
813. 7. N. Beisert, BMN operators and superconformal symmetry, NP B 659 (2003) 79, hep-th/0211032.
814. 8. E. D'Hoker, P. Heslop, P. Howe, A.V. Ryzhov, Systematics of Quarter BPS operators in N=4 SYM, JHEP (4): 038 (2003), hep-th/0301104.
815. 9. A.V. Ryzhov, Operators in the d=4, N=4 SYM and the AdS/CFT correspondence, hep-th/0307169, UCLA **PhD** thesis.

816. 10. E. Sokatchev, Superconformal kinematics and dynamics in the AdS/CFT correspondence, in the Proc. of the fifth international workshop, Varna June, 2003, Lie theory and its applications in physics V, eds. H.-D. Doebner and V.K. Dobrev, (2004) p. 135-153.
817. 11. N. Beisert, M. Bianchi, J.F. Morales, H. Samtleben, Higher Spin Symmetry and N=4 SYM, JHEP 0407:058 (2004), hep-th/0405057.
818. 12. S. Lee, J.H. Park Noncentral extension of the AdS(5) x S-5 superalgebra: supermultiplet of brane charges, JHEP (6): art. no. 038 (2004), hep-th/0404051.
819. 13. N. Beisert, The dilatation operator of N=4 Super Yang-Mills theory and integrability Phys.Rept.405:1-202,2005, **PhD** thesis, hep-th/0407277.
820. 14. M. Bianchi Higher spin symmetry (breaking) in N=4 SYM Theory and holography, Comptes Rendus Physique 5:1091-1099,2004, hep-th/0409292.
821. 15. M. Bianchi, Higher spins and stringy AdS5xS5, Fortsch.Phys.53:665-691,2005, hep-th/0409304.
822. 16. J.F. Morales, H. Samtleben, Higher spin holography for SYM in d dimensions, Phys.Lett.B607:286-293,2005, hep-th/0411246.
823. 17. A. Barabanschikov, L. Grant, L.L. Huang, S. Raju, The spectrum of Yang Mills on a sphere, JHEP 0601 (2006) 160, hep-th/0501063.
824. 18. M. Bianchi, V. Didenko, Massive higher spin multiplets and holography, Presented at Workshop on Higher Spin Gauge Theories, Brussels, Belgium, 12-14 May 2004, hep-th/0502220.
825. 19. M. Bianchi, P.J. Heslop, F. Riccioni, More on la Grande Bouffe, JHEP 0508:088 (2005), hep-th/0504156.
826. 20. J. Kinney, J. Maldacena, Sh. Minwalla, S. Raju, An index for 4 dimensional super conformal theories, hep-th/051025.
827. 21. L. Genovese, Conformal Invariance in Quantum Field Theory, **PhD** thesis, 2006, Roma.
828. 22. J. Bhattacharya, S. Bhattacharyya, S. Minwalla and S. Raju, Indices for Superconformal Field Theories in 3,5 and 6 Dimensions, JHEP02(2008)064, arXiv:0801.1435.
829. 23. G. Milanesi and M. O'Loughlin, Holography and chronology protection, in the Proc. of the second Time and Matter conference, August 2007, Bled,Slovenia, publ. University of Nova Gorica Press (2008) p. 325.
830. 24. S. Fernando, M. Gunaydin, Minimal unitary representation of SU(2,2) and its deformations as massless conformal fields and their supersymmetric extensions, JMP 51 (2010) 082301, arXiv:0908.3624 [hep-th].
831. 25. D. Volin, Quantum integrability and functional equations. Applications to the spectral problem of AdS/CFT and two-dimensional sigma models, Th'ese de Doctorat (2009) Universite Paris-XI, Institut de Physique Theorique, J.Phys. A 44 (2011) 124003, arXiv:1003.4725.
832. 26. D. Serban, Integrability and AdS/CFT correspondence, Memoire D'Habilitation, J.Phys. A 44 (2011) 124001, arXiv:1003.4214.
833. 27. A. Gadde, E. Pomoni, L. Rastelli, Spin Chains in N=2 Superconformal Theories: from the Z_2 Quiver to Superconformal QCD, JHEP 06 (2012) 107, arXiv:1006.0015 [hep-th].
834. 28. H. Knuth, On invariants and scalar chiral correlation functions in N=1 superconformal field theories, Int. J of Mod. Phys. A 26 (2011) 2007, arXiv:1010.2740.
835. 29. S. Nawata, Localization of N=4 Superconformal Field Theory on $S^1 \times S^3$ and Index, JHEP 11 (2011) 144, arXiv:1104.4470 [hep-th].
836. 30. V.P. Spiridonov & G.S. Vartanov, Elliptic hypergeometry of supersymmetric dualities II. Orthogonal groups, knots, and vortices, CMP 325 (2014) 421-486, arXiv:1107.5788 [hep-th].
837. 31. H. Knuth, Superconformal Invariants and Correlation Functions, **PhD** thesis, 2012, Goettingen.

838. 32. W.D. Goldberger, Z.U. Khandker, D. Li, and W. Skiba, Superembedding Methods for Current Superfields, Phys. Rev. D 88 (2013) 125010, arXiv:1211.3713.
839. 33. K. Coulembier, Bernstein-Gelfand-Gelfand resolutions for basic classical Lie superalgebras, J. of Algebra 399 (2014) 131-169, arXiv:1301.2243, 36 pages.
840. 34. K.H. Neeb, H. Salmasian, Positive definite superfunctions and unitary representations of Lie supergroups, Transf. Groups Vol. 18 Issue: 3 (2013) 803.
841. 35. M. Buican, T. Nishinaka, C. Papageorgakis, Constraints on Chiral Operators in N=2 SCFTs. JHEP 12 (2014) 095, arXiv:1407.2835 [hep-th] .
842. 36. S. Valatka, Exact Results in Supersymmetric Gauge Theories, **PhD thesis**, King's College, UK, arXiv:1501.00111.
843. 37. A. Ghodsi, B. Khavari, A. Naseh, Holographic Two-Point Functions in Conformal Gravity, JHEP 01 (2015)137, arXiv:1411.3158.
844. 38. O. Aharony, M. Berkooz, Soo-Jong Rey, Rigid Holography and Six-Dimensional N=(2,0) Theories on AdS₅ times S¹ arXiv:1501.02904 [hep-th].

Ref. 20: [83]

845. 1. P. Bowcock and A. Taormina, Representation theory of the affine Lie super algebra $\widehat{sl}(2/1; C)$ at fractional level, CMP 185 (1997) 467, hep-th/9605220.
846. 2. P. Bowcock, R-L.K. Koktava and A. Taormina, Free field representations for the affine superalgebra $sl(\widehat{2/1})$ and noncritical $N = 2$ strings, PL B388 (1996) 303, hep-th/9606015.
847. 3. S. Minwalla, Restrictions imposed by Superconformal Invariance On Quantum Field Theories, preprint Princeton University, PUPT-1748, hep-th/9712074, Adv.Theor.Math.Phys.2:781-846 (1998).
848. 4. H. Osborn, N=1 superconformal symmetry in four-dimensional quantum field theory. DAMTP-98-101, hep-th/9808041, Annals Phys.272:243-294 (1999).
849. 5. Jeong-Hyuck Park, Superconformal Symmetry and Correlation Functions, hep-th/9903230. NP B 559: (1-2) 455-501 (1999).
850. 6. J. Maldacena, Large N Field Theories, String Theory and Gravity, Proc. of the NATO Advanced study Institute on Progress in string theory and M theory, Cargese, France, May-June 1999, eds. L. Baulieu, M. Green, M. Picco and P. Windey, NATO science series, v. 564, p.47-116.
851. 7. O. Aharony, S. S. Gubser, J. Maldacena, H. Ooguri, Y. Oz, Large N field theories, string theory and gravity, hep-th/9905111 .Phys. Rep. 323: (3-4) 184-386 (2000).
852. 8. S. Ferrara, A. Zaffaroni, Superconformal Field Theories, Multiplet Shortening, and the $AdS_5/SCFT_4$ Correspondence, to appear in the proceedings of the Moshe Flato Conference, Dijon, 5-8 September 1999, in *Dijon 1999, Quantization, deformations and symmetries, vol. 1* 177-188, hep-th/9908163.
853. 9. A. Ceresole, G. Dall'Agata, R. D'Auria and S. Ferrara, Superconformal field theories from IIB spectroscopy on $AdS_5 \times T^{11}$, Classical Quant Grav 17: (5) (2000) 1017, hep-th/9910066.
854. 10. L. Andrianopoli, S. Ferrara, E. Sokatchev, B. Zupnik, Shortening of primary operators in N-extended $SCFT_4$ and harmonic-superspace analyticity, Adv.Theor.Math.Phys. 4 (2000) 1149, hep-th/9912007.
855. 11. S. Ferrara, E. Sokatchev, Short representations of SU(2,2/N) and harmonic superspace analyticity, hep-th/9912168, LMP 52: (3) 247-262 (2000).
856. 12. S. Ferrara, Superspace representations of $SU(2, 2/N)$ superalgebras and multiplet shortening, talk given at the TMR Conference on Quantum Aspects of Gauge Theories, Supersymmetry and Unification, Paris, 1-7 September 1999, hep-th/0002141.
857. 13. F. Bastianelli and R. Zucchini, Three point functions of universal scalars in max scfts at large N, hep-th/0003230, JHEP 0005 (2000) 047.

858. 14. P. Heslop, P.S. Howe, On harmonic superspaces and superconformal fields in four dims, hep-th/0005135 Classical Quant Grav 17: (18) 3743-3768 (2000).
859. 15. S. Ferrara, E. Sokatchev, Superconformal interpretation of BPS states in AdS geometries, Int. J. Theor. Phys. 40 (2001) 935-984, hep-th/0005151.
860. 16. S. Ferrara, E. Sokatchev, Conformal superfields and BPS states in $AdS_{4/7}$ geometries, hep-th/0007058, Int. J. Mod. Phys. B 14: (22-23) 2315-2333 (2000).
861. 17. Paul Heslop, Paul Howe, Harmonic superspaces and superconformal fields, 4th Annual European TMR Conference on Integrability Nonperturbative Effects and Symmetry in Quantum Field Theory, Paris, France, 7-13 Sep 2000, JHEP proceedings, PRHEP-tmr20000/016, hep-th/0009217.
862. 18. S. Ferrara and E. Sokatchev, Representations of superconformal algebras in the $AdS_{7/4}/CFT_{6/3}$ correspondence, JMP 42 (2001) 3015, hep-th/0010117
863. 19. B. Eden, E. Sokatchev, On the OPE of 1/2 BPS short operators in $N = 4$ SCFT₄, Nucl. Phys. B618 : 259-276 (2001), hep-th/0106249
864. 20. P.J. Heslop, P.S. Howe, A note on composite operators in N=4 SYM, Phys.Lett. B516 (2001) 367, hep-th/0106238
865. 21. B. Eden, S. Ferrara, E. Sokatchev, (2,0) Superconformal OPEs in D=6, Selection Rules and Non-renormalization Theorems, JHEP 0111 (2001) 020, hep-th/0107084.
866. 22. P.J. Heslop, P.S. Howe, OPEs and 3-point correlators of protected operators in N=4 SYM, Nucl.Phys. B626 (2002) 265-286, hep-th/0107212.
867. 23. P.J.Heslop, Superfield representations of superconformal groups, Class.Quant.Grav. 19 (2002) 303-346, hep-th/0108235.
868. 24. S. Ferrara, E. Sokatchev, Universal properties of superconformal OPEs for 1/2 BPS operators in $3 \leq D \leq 6$, New J.Phys. 4 (2002) 2, hep-th/0110174.
869. 25. J. Maldacena, Les Houches lectures on large N field theories and gravity, in Les Houches book series, Unity from duality: Gravity, gauge theory and strings, vol. 76 (2002) 323-381, Springer.
870. 26. G. Arutyunov and E. Sokatchev, Implications of superconformal symmetry for interacting (2,0) tensor multiplets, Nucl.Phys. B635 (2002) 3, hep-th/0201145.
871. 27. F.A. Dolan, H. Osborn, On short and semi-short representations for four dimensional superconformal symmetry, Ann. Phys. 307 (1) (2003) 41-89, hep-th/0209056.
872. 28. J.M. Drummond, P.J. Heslop, P.S. Howe, S.F. Kerstan, Integral invariants in N=4 SYM and the effective action for coincident D-branes, JHEP (8): art. no. 016 (2003), hep-th/0305202.
873. 29. J. Terning, Non-perturbative supersymmetry, TASI-2002 Lectures, publ. in Particle physics and cosmology (2004) p. 343, eds. H. Haber, A. Nelson, World scientific publishing, hep-th/0306119.
874. 30. P.J. Heslop and P.S. Howe, Aspects of N=4 SYM, hep-th/0307210v2.
875. 31. N. Beisert, M. Staudacher, The N=4 SYM Integrable Super Spin Chain, Nucl. Phys. B670: 439-463 (2003), hep-th/0307042.
876. 32. J. Kujawa, Crystal structures arising from representations of $GL(m|n)$, Represent. Theory 10 (2006) 49, math.RT/0311251.
877. 33. Cs. Csaki, P. Meade, J. Terning, A mixed phase of SUSY gauge theories from A-maximization, JHEP 0404:040 (2004) , hep-th/0403062.
878. 34. N. Beisert, M. Bianchi, J.F. Morales, H. Samtleben, Higher Spin Symmetry and N=4 SYM, JHEP 0407 (2004) 058, hep-th/0405057.
879. 35. N. Beisert, The dilatation operator of N=4 Super Yang-Mills theory and integrability, Phys.Rept.405:1-202,2005, **PhD** thesis, hep-th/0407277.

880. 36. S. Lee, J.H. Park Noncentral extension of the AdS(5) x S-5 superalgebra: supermultiplet of brane charges, JHEP (6): art. no. 038 (2004), hep-th/0404051.
881. 37. M. Bianchi, Higher spin symmetry (breaking) in N=4 SYM theory and holography, Comptes Rendus Physique 5:1091-1099,2004, hep-th/0409292.
882. 38. M. Bianchi, Higher spins and stringy AdS5xS5, Fortsch.Phys.53:665-691,2005, hep-th/0409304.
883. 39. J.F. Morales, H. Samtleben, Higher spin holography for SYM in d dimensions, Phys.Lett.B607:286-293,2005 hep-th/0411246.
884. 40. C. Carmeli, G. Cassinelli, A. Toigo, V.S. Varadarajan, Unitary representations of super Lie groups and applications to the classification and multiplet structure of super particles, CMP 263 (2006) 217, hep-th/0501061.
885. 41. A. Barabanschikov, L. Grant, L.L. Huang, S. Raju, The spectrum of Yang Mills on a sphere, JHEP 0601 (2006) 160, hep-th/0501063.
886. 42. M. Bianchi, V. Didenko, Massive higher spin multiplets and holography, Presented at Workshop on Higher Spin Gauge Theories, Brussels, Belgium, 12-14 May 2004, hep-th/0502220.
887. 43. Arnaudon D, Avan J, Crampe N, Doikou A, Frappat L & Ragoucy E, General boundary conditions for the sl(N) and sl(M—N) open spin chains, J. Stat. Mech.: Theor. Exp. (JSTAT) 08 (2004) P005; math-ph/0406021.
888. 44. M. Bianchi, P.J. Heslop, F. Riccioni, More on la Grande Bouffe, JHEP 0508:088 (2005), hep-th/0504156.
889. 45. J. Henn, C. Jarczak, E. Sokatchev, On twist-two operators in N=4 SYM, Nucl.Phys.B730:191-209,2005, hep-th/0507241.
890. 46. J. Kinney, J. Maldacena, Sh. Minwalla, S. Raju, An index for 4 dimensional super conformal theories, hep-th/0510251.
891. 47. J. Terning, Modern supersymmetry: Dynamics and duality, International Series of Monographs on Physics # 132, book, (Oxford University Press, 2005, ISBN-10: 0-19-856763-4 ISBN-13: 978-0-19-856763-9) 336 pages.
892. 48. V. S. Varadarajan, Unitary representations of super Lie groups, Lectures given in Oporto, Portugal, July 2003, 2006.
893. 49. C. Carmeli, G. Cassinelli, A. Toigo, Unitary representations of super groups and Mackey theory, Lie Theory and Its Applications in Physics VI, ed. V.K. Dobrev et al, Heron Press, Sofia (2006) p. 269.
894. 50. R. Fiorese, M. A. Lledo, V. S. Varadarajan, The Minkowski and conformal superspaces, J.Math.Phys. A 48 (2007) 105017, math/0609813.
895. 51. I. Heckenberger, F. Spill, A. Torrielli, H. Yamane, Drinfeld second realization of the quantum affine superalgebras of D(1)(2,1;x) via the Weyl groupoid, arXiv:0705.1071 [math.QA] .
896. 52. A. Solovoyov, Bethe Ansatz Equations for General Orbifolds of N=4 SYM, JHEP 0804:013, (2008), arXiv:0711.1697v2 [hep-th].
897. 53. J. Bhattacharya, S. Bhattacharyya, S. Minwalla and S. Raju, Indices for Superconformal Field Theories in 3,5 and 6 Dimensions, JHEP 02 (2008) 064, arXiv:0801.1435.
898. 54. J. Galloway, J. McRaven and J. Terning, Anomalies, unparticles, and Seiberg duality, Phys. Rev. D 80 (2009) 105017, arXiv:0805.0799 [hep-ph].
899. 55. I. Heckenberger & H. Yamane, A generalization of Coxeter groups, root systems, and Matsumoto's theorem, Math. Z. 259, 255-276 (2008).
900. 56. Z. Tsuboi, Analytic Bethe ansatz and functional equations associated with any simple root systems of the Lie superalgebra sl(r+1—s+1), Physica A: Stat. Mech. and its Appl. 252, Issues 34, (1998) 565585, arXiv:0911.5387v3 [math-ph].

901. 57. T. Horigane, Y. Kazama, Exact Quantization of a Superparticle in $AdS_5 \times S^5$, Phys. Rev. D 81 (4) (2010) 045004, arXiv:0912.1166 [hep-th].
902. 58. A. Babichenko, B. Stefanski, K. Zarembo, Integrability and the AdS(3)/CFT(2) correspondence, JHEP 03 (2010) 058, arXiv: 0912.1723 [hep-th].
903. 59. C. Hoyt, V. Serganova, Classification of finite-growth contragredient Lie superalgebras, to appear in the Proceedings for the Symposium on Representation Theory 2009, Japan.
904. 60. A. Solovoyov, On the Spectrum of Gauge/Gravity Duals with Reduced Supersymmetry, **PhD**, 2009, Princeton.
905. 61. N. Gromov, V. Kazakov, Z. Tsuboi, PSU(2,2—4) character of quasiclassical AdS/CFT, JHEP, 07 (2010) 097, arXiv:1002.3981v1 [hep-th].
906. 62. K. Zarembo, Algebraic Curves for Integrable String Backgrounds, talk at "Gauge Fields. Yesterday, today, tomorrow", Moscow, 19-24.01.2010, arXiv:1005.1342 [hep-th].
907. 63. A. Gadde, E. Pomoni, L. Rastelli, Spin chains in N=2 Superconformal theories: from the Z_2 quiver to superconformal QCD, JHEP 06 (2012) 107, arXiv:1006.0015 [hep-th].
908. 64. J.M. Drummond, P.J. Heslop, P.S. Howe, A note on N=8 counterterms, arXiv:1008.4939 [hep-th].
909. 65. Shun-Jen Cheng & Weiqiang Wang, Dualities for Lie superalgebras, Lecture notes for ECNU summer school 2009 in Shanghai, Lie Theory and Representation Theory, 1-46, Surveys of Modern Mathematics 2, International Press, Boston, 2012, arXiv:1001.0074v2 [math.RT].
910. 66. H. Knuth, On invariants and scalar chiral correlation functions in N=1 superconformal field theories, Int. J of Mod. Phys. A 26 (2011) 2007, arXiv:1010.2740.
911. 67. S. Nawata, Localization of N=4 Superconformal Field Theory on $S^1 \times S^3$ and Index, JHEP 11 (2011) 144, arXiv:1104.4470 [hep-th].
912. 68. A. Gadde, L. Rastelli, S.S. Razamat and W. Yan, On the Superconformal Index of N=1 IR Fixed Points: A Holographic Check, JHEP 03 (2011) 041.
913. 69. P. Liendo, E. Pomoni, L. Rastelli, The Complete One-Loop Dilation Operator of N=2 SuperConformal QCD, JHEP 07 (2012) 3, arXiv:1105.3972 [hep-th].
914. 70. A. Gadde, L. Rastelli, S.S. Razamat, and W. Yan, Gauge Theories and Macdonald Polynomials, CMP 319 (2013) 147, arXiv:1110.3740 [hep-th].
915. 71. T. Creutzig, P. Gao, A. R. Linshaw, Fermionic Coset, Critical Level $W^{(2)}_4$ -Algebra and Higher Spins, JHEP 04 (2012) 031, arXiv:1111.6603 [hep-th].
916. 72. H. Knuth, Superconformal Invariants and Correlation Functions, **PhD thesis** ,(2012), Goettingen.
917. 73. Wenbin Yan, The Spectrum of Superconformal Theories, **PhD thesis**, 2012, Stony Brook University.
918. 74. J.E. McRaven, Extending the Standard Model with Confining and Conformal Dynamics, PROQUEST-1319303335, ISBN 9781267969118 **PhD thesis**, number AAT-3555377 (2012) Univ. of California, Davis, USA.
919. 75. W.D. Goldberger, Z.U. Khandker, D. Li, and W. Skiba, Superembedding Methods for Current Superfields, Phys. Rev. D 88 (2013) 125010, arXiv:1211.3713.
920. 76. K. Coulembier, Bernstein-Gelfand-Gelfand resolutions for basic classical Lie superalgebras, J. of Algebra 399 (2014) 131-169, arXiv:1301.2243, 36 pages.
921. 77. P. Liendo, Uncovering the structure of (super)conformal field theory, **PhD thesis** (2013) Stony Brook University.
922. 78. K. Hanaki, C. Peng, Symmetries of holographic super-minimal models, JHEP 08 (2013) 030, arXiv:1203.5768.
923. 79. C. Peng, Benefits of supersymmetry: from scattering amplitudes to higher-spin gravity, **PDF thesis** (2013) , Univ. of Michigan, USA.

924. 80. M. Buican, T. Nishinaka, C. Papageorgakis, Constraints on Chiral Operators in $N=2$ SCFTs. JHEP 12 (2014) 095, arXiv:1407.2835 [hep-th] .
925. 81. A.L. Fitzpatrick, J. Kaplan, Z.U. Khandker, D.L. Li, D. Poland, D. Simmons-Duffin, Covariant approaches to superconformal blocks, JHEP 08 (2014) 129.
926. 82. A. Ghodsi, B. Khavari, A. Naseh, Holographic Two-Point Functions in Conformal Gravity, JHEP 01 (2015)137, arXiv:1411.3158.
927. 83. O. Aharony, M. Berkooz, Soo-Jong Rey, Rigid Holography and Six-Dimensional $N=(2,0)$ Theories on AdS_5 times S^1 arXiv:1501.02904 [hep-th].

Ref. 21: [233]

928. 1. B. Morel, A. Sciarrino, P. Sorba, PL B167 (1986) 486, Errata to: B. Morel, A. Sciarrino and P. Sorba, Unitary massless representations of conformal superalgebras, Phys. Lett. 166B (1986) 69.
929. 2. A. Bohm, Spectrum Supersymmetry of Regge Trajectories, Phys. Rev. Lett. 57 (1986) 1203.
930. 3. A. Bohm, Proceedings Intern. Conf. on Diff. Geom. Methods in Physics, Clausthal, Germany, Jul 1986, p. 317. & CPT-084-TEXAS, Sep 1986. 26pp.
931. 4. A. Bohm, M. Kmieciak, L.J. Boya, Representation theory of superconformal quantum mechanics, JMP 29 (1988) 1163.
932. 5. J.F. Cornwell, *Group Theory in Physics, Vol. III, page 603*, book, (Academic Press, London & San Diego, 1989).
933. 6. M.D. Gould, Rep.Math.Phys. 30 (1991) 363.
934. 7. N. Seiberg, Electric-Magnetic Duality in Supersymmetric Non-Abelian Gauge Theories, hep-th/9411149, Nucl. Phys. B435 (1995) 129.
935. 8. L. Girardello, A. Giveon, M. Porrati and A. Zaffaroni, S-Duality in $N=4$ Yang-Mills Theories with General Gauge Groups, hep-th/9502057, Nucl. Phys. B448 (1995) 127.
936. 9. R.G. Leigh, M.J. Strassler, Exactly marginal operators and duality in four-dimensional $n=1$ supersymmetric gauge theory, hep-th/ 9503121; Nucl.Phys. B447:95-136,1995.
937. 10. K. Intriligator, N. Seiberg, Lectures on supersymmetric gauge theory of electric-magnetic duality, hep-th/9509066; Nucl.Phys.Proc.Suppl. 45B, issue 2-3 (1996) 1-28.
938. 11. P.C. Argyres, M. Presser, N. Seiberg and E. Witten, New $N = 2$ superconformal field theories in four dimensions, hep-th/9511154; Nucl.Phys. B461:71-84,1996.
939. 12. M. Luty, M. Schmaltz, A sequence of duals for $Sp(2N)$ supersymmetric gauge theories with adjoint matter, hep-th/9603034; Phys.Rev.D54:7815-7824,1996.
940. 13. D. Anselmi, M. Grisaru, A. Johansen, A critical behaviour of anomalous currents, electric-magnetic universality and CFT in four dimensions, hep-th/9601023; Nucl.Phys. B491:221-248,1997.
941. 14. M. Berkooz, A Comment on Nonchiral Operators in Sqcd and Its Dual, Nucl. Phys. B 1996, Vol 466, 75.
942. 15. S. Minwalla, Restrictions imposed by Superconformal Invariance On Quantum Field Theories, preprint Princeton University, hep-th/9712074, Adv.Theor.Math.Phys.2:781-846 (1998).
943. 16. S. Lee, S. Minwalla, Three point functions of chiral operators in $d = 4$, $N=4$ SYM at large N , PUPT-1796, hep-th/9806074, Adv.Theor.Math.Phys.2:697-718 (1998).
944. 17. A. Nelson, M. J. Strassler, A one scale model of dynamical supersymmetry breaking. UW-PT-98-08, hep-ph/9806346, Phys.Rev.D60:015004 (1999).

945. 18. H. Osborn, N=1 superconformal symmetry in four-dimensional quantum field theory. DAMTP-98-101, hep-th/9808041, Annals Phys.272:243-294 (1999).
946. 19. M. Gremm, A. Kapustin, N=1 Theories, T-duality, and AdS/CFT correspondence, hep-th/9904050. JHEP (7) U92-U117 (1999).
947. 20. D.Z. Freedman, S.S. Gubser, K. Pilch, N.P. Warner, Renormalization group flows from holography supersymmetry and a c theorem, Adv.Theor.Math.Phys.3 (1999) 363, hep-th/9904017.
948. 21. O. Aharony, S. S. Gubser, J. Maldacena, H. Ooguri, Y. Oz, Large N field theories, string theory and gravity, hep-th/9905111, Phys. Rep. 323: (3-4) 184-386 (2000).
949. 22. A. Ceresole, G. Dall'Agata, R. D'Auria and S. Ferrara, Spectrum of Type IIB Supergravity on $AdS_5 \times T^{11}$, hep-th/9905226, Phys. Rev. D 6106: (6) 6001-+ (2000).
950. 23. A. Ceresole, G. Dall'Agata, R. D'Auria, KK spectroscopy of type IIB supergravity on $AdS_5 \times T^{11}$, JHEP 11(1999) 009, hep-th/9907216.
951. 24. S. Ferrara, A. Zaffaroni, Superconformal field theories, multiplet shortening, and the $AdS_5/SCFT_4$ correspondence, to appear in the proceedings of the Moshe Flato Conference, Dijon, 5-8 September 1999, in *Dijon 1999, Quantization, deformations and symmetries, vol. 1* 177-188, hep-th/9908163.
952. 25. E. D'Hoker, D. Z. Freedman, S. D. Mathur, A. Matusis, L. Rastelli, Extremal Correlators in the AdS/CFT Correspondence, The many faces of the superworld, Yuri Golfand memorial volume, ed. M. Shifman, World Scient. 2000, 332-360, hep-th/9908160.
953. 26. A. Ceresole, G. Dall'Agata, R. D'Auria and S. Ferrara, Superconformal field theories from IIB spectroscopy on $AdS_5 \times T^{11}$, hep-th/9910066. Class. Quant. Grav 17: (5) 1017-1025 (2000).
954. 27. J. Maldacena, Large N Field Theories, String Theory and Gravity, Proc. of the NATO Advanced study Institute on Progress in string theory and M theory, Cargese, France, May-June 1999, eds. L. Baulieu, M. Green, M. Picco and P. Windey, NATO science series, v. 564, p.47-116.
955. 28. M. Bianchi, S. Kovacs, Nonrenormalization of extremal correlators in N=4 SYM Theory, PL B 468 (1999) 102, hep-th/9910016.
956. 29. L. Andrianopoli, S. Ferrara, E. Sokatchev, B. Zupnik, Shortening of primary operators in N-extended $SCFT_4$ and harmonic-superspace analyticity, Adv.Theor.Math.Phys. 4 (2000) 1149, hep-th/9912007.
957. 30. S. Ferrara, E. Sokatchev, Short representations of $SU(2,2/N)$ and harmonic superspace analyticity, hep-th/9912168.
958. 31. M. Bianchi, S. Kovacs, G. Rossi and Y.S. Stanev, On the logarithmic behaviour in N=4 SYM theory, JHEP (8) U397-U417 (1999), hep-th/9906188.
959. 32. O. Pelc, Holography, singularities on orbifolds and 4D N=2 SQCD, hep-th/0001054, JHEP (3) U216-U249 (2000).
960. 33. S. Ferrara, Superspace representations of $SU(2,2/N)$ superalgebras and multiplet shortening, hep-th/0002141
961. 34. S. Ferrara, E. Sokatchev, Conformal primaries of $osp(8/4, R)$ and BPS states in ADS(4), hep-th/0003051.
962. 35. M. Bianchi, S. Kovacs, G. Rossi and Y.S. Stanev, Anomalous dimensions in $N = 4$ SYM theory at order G^4 , hep-th/0003203, NP B 584: (1-2) 216-232 (2000).
963. 36. F. Bastianelli and R. Zucchini, Three point functions of universal scalars in max scfts at large N, JHEP (2000) (5): U1041-U1065, hep-th/0003230.
964. 37. P. Heslop. P.S. Howe, On harmonic superspaces and superconformal fields in four dims, hep-th/0005135 Classical Quant Grav 17: (18) 3743-3768 (2000).
965. 38. S. Ferrara, E. Sokatchev, Superconformal interpretation of BPS states in AdS geometries, Int. J. Theor. Phys. 40 (2001) 935-984, hep-th/0005151.

966. 39. Ann E. Nelson, M.J. Strassler, Suppressing flavor anarchy, JHEP 09 (2000) 030 , hep-ph/0006251.
967. 40. S. Ferrara, E. Sokatchev, Conformal superfields and BPS states in $AdS_{4/7}$ geometries, hep-th/0007058.
968. 41. M.J. Duff, J.T. Liu and K.S. Stelle, A supersymmetric type IIB Randall-Sundrum realization, hep-th/0007120.
969. 42. Paul Heslop, Paul Howe, Harmonic superspaces and superconformal fields, To be published in the proceedings of 4th Annual European TMR Conference on Integrability Nonperturbative Effects and Symmetry in Quantum Field Theory, Paris, France, 7-13 Sep 2000, JHEP proceedings, PRHEP-tmr20000/016, hep-th/0009217.
970. 43. Y.S. Stanev, "Perturbative corrections to anomalous dimensions in $N=4$ SYM theory", Prepared for 9th Marcel Grossmann Meeting on Recent Developments in Theoretical and Experimental General Relativity, Gravitation and Relativistic Field Theories (MG 9), Rome, Italy, 2-9 Jul 2000. Published in *Rome 2000, Recent developments in theoretical and experimental general relativity, gravitation and relativistic field theories, Pt. B* 1146-1150.
971. 44. James T. Liu, H. Sati, Breathing mode compactifications and supersymmetry of the brane world, Nucl.Phys. B605 (1-3) 116-140 (2001), hep-th/0009184.
972. 45. S. Ferrara and E. Sokatchev, Representations of superconformal algebras in the $AdS_{7/4}/CFT_{6/3}$ correspondence, hep-th/0010117.
973. 46. D.Z Freedman (MIT), P. Henry-Labordere, Field theory insight from the AdS/CFT correspondence, hep-th/0011086, LPTENS-00/38, TMR 2000.
974. 47. S.P. Martin, J.D. Wells, Constraints on ultraviolet stable fixed points in supersymmetric gauge theories, hep-ph/0012382.
975. 48. K. Intriligator, N. Seiberg, Lectures on supersymmetric gauge theories and electric-magnetic duality, NP B 157-183 Suppl. 55B (1997).
976. 49. Klemm D, Sabra WA, General (anti-)de Sitter black holes in five dimensions, JHEP (2001) (2): U632-U652, hep-th/0011016.
977. 50. P.C. Argyres, Supersymmetry and strongly coupled gauge theories, CLNS-01-1722, hep-th/0102006.
978. 51. M. Bianchi, S. Kovacs, G. Rossi, Ya. S. Stanev, Properties of the Konishi multiplet in $N=4$ SYM theory, JHEP 0105 (2001) 042, hep-th/0104016.
979. 52. G. Arutyunov, B. Eden, A. C. Petkou, E. Sokatchev Exceptional non-renormalization properties and OPE analysis of chiral four-point functions in $N=4$ SYM₄, Nucl.Phys. B620 (2002) 380-404, hep-th/0103230.
980. 53. G. Arutyunov, B. Eden, E. Sokatchev, On non-renormalization and OPE in superconformal field theories, Nucl.Phys. B619 (2001) 359-372, hep-th/0105254.
981. 54. B. Eden, E. Sokatchev, On the OPE of 1/2 BPS short operators in $N=4$ SCFT₄, Nucl. Phys. B618 : 259-276 (2001), hep-th/0106249.
982. 55. P.J. Heslop, P.S. Howe, A note on composite operators in $N=4$ SYM, Phys.Lett. B516 (2001) 367, hep-th/0106238.
983. 56. S. Penati, A. Santambrogio, Superspace approach to anomalous dimensions in $\mathcal{N}=4$ SYM, Nucl.Phys. B614 (2001) 367, hep-th/0107071
984. 57. B. Eden, S. Ferrara, E. Sokatchev, (2,0) Superconformal OPEs in $D=6$, Selection Rules and Non-renormalization Theorems, JHEP 0111 (2001) 020, hep-th/0107084.
985. 58. J. Kubo, D. Suematsu, Suppressing the μ and neutrino masses by a superconformal force, Phys.Rev. D64 (2001) 115014, hep-ph/0107133.
986. 59. P.J. Heslop, P.S. Howe, OPEs and 3-point correlators of protected operators in $N=4$ SYM, hep-th/0107212.

987. 60. N. Debergh and J. Van der Jeugt, Realizations of the Lie superalgebra $q(2)$ and applications, J. Phys. A: Math. Gen. 34 (2001) 8119, math-ph/0104038.
988. 61. West P., A review of non-renormalisation theorems in supersymmetric theories, Nucl.Phys.B. Proc Suppl. 101: 112 (2001).
989. 62. P.J.Heslop, Superfield representations of superconformal groups, hep-th/0108235.
990. 63. A.V. Ryzhov, Quarter BPS Operators in N=4 SYM, JHEP 11 (2001) 046, hep-th/0109064.
991. 64. E. D'Hoker, A.V. Ryzhov, Three-Point Functions of Quarter BPS Operators in N=4 SYM, hep-th/0109065.
992. 65. S. Ferrara, E. Sokatchev, Universal properties of superconformal OPEs for 1/2 BPS operators in $3 \leq D \leq 6$, New J.Phys. 4 (2002) 2, hep-th/0110174.
993. 66. L. Hoffmann, L. Mesref, A. Meziane, W. Ruehl, Multi-trace quasi-primary fields of N=4 SYM4 from AdS n-point functions, Nucl. Phys B641: 188-222 (2002); hep-th/0112191.
994. 67. J. Maldacena, Les Houches lectures on large N field theories and gravity, Les Houches book series, Unity from duality: Gravity, gauge theory and strings, vol. 76 (2002) 323-381, Springer.
995. 68. G. Arutyunov and E. Sokatchev, Implications of Superconformal Symmetry for Interacting (2,0) Tensor Multiplets, Nucl.Phys. B635 (2002) 3-32, hep-th/0201145).
996. 69. T. Takayanagi, S. Terashima, Strings on orbifolded pp waves, JHEP 0206 (2002) 036, hep-th/0203093.
997. 70. E. Sezgin, P. Sundell, Massless higher spins and holography, hep-th/0205131.
998. 71. M. Bianchi, B. Eden, G. Rossi, Ya.S. Stanev, On Operator Mixing in N=4 SYM, hep-th/0205321.
999. 72. G. Arutyunov, S. Penati, A. C. Petkou, A. Santambrogio, E. Sokatchev, Non-protected operators in N=4 SYM and multiparticle states of AdS_5 SUGRA, hep-th/0206020.
1000. 73. S. Fernando, M. Gunaydin, O. Pavlyk, Spectra of PP-Wave Limits of M-Superstring Theory on $AdS_p \times S^q$ Spaces, hep-th/0207175.
1001. 74. F.A. Dolan, H. Osborn, On Short and Semi-Short Representations for Four Dimensional Superconformal Symmetry, hep-th/0209056, Ann. Phys. 307 (1) (2003) 41-89.
1002. 75. G. Arutyunov, E. Sokatchev, A note on the perturbative properties of BPS operators, hep-th/0209103.
1003. 76. N. Beisert, C. Kristjansen, M. Staudacher, The Dilatation Operator of N=4 Super Yang-Mills Theory, hep-th/0303060.
1004. 77. M. Bianchi, J.F. Morales, H. Samtleben, On stringy $AdS_5 \times S^5$ and higher spin holography, JHEP (7): art. no. 062 (2003), hep-th/0305052.
1005. 78. J.M. Drummond, P.J. Heslop, P.S. Howe, S.F. Kerstan, Integral invariants in N=4 SYM and the effective action for coincident D-branes, JHEP (8): art. no. 016 (2003), hep-th/0305202.
1006. 79. Fukuma M, Matsuura S, Sakai T, Holographic renormalization group, Prog. Theor. Phys. 109 (2003) 489-562.
1007. 80. J. Terning, Non-perturbative supersymmetry, TASI-2002 Lectures, publ. in Particle physics and cosmology (2004) p. 343, eds. H. Haber, A. Nelson, World scientific publishing, hep-th/0306119.
1008. 81. N. Beisert, The Complete One-Loop Dilatation Operator of N=4 Super Yang-Mills Theory, NP B 676 (1-2): 3-42 (2004), hep-th/0307015,
1009. 82. N. Beisert, M. Staudacher, The N=4 SYM Integrable Super Spin Chain, NP B670: 439-463 (2003), hep-th/0307042,
1010. 83. A.V. Ryzhov, Operators in the d=4, N=4 SYM and the AdS/CFT correspondence, hep-th/0307169, UCLA **PhD** thesis.

1011. 84. P.J. Heslop and P.S. Howe, Aspects of N=4 SYM, JHEP 01 (2004) 058, hep-th/0307210.
1012. 85. A. Dhar, G. Mandal and S.R. Wadia, String bits in small radius AdS and weakly coupled N=4 super Yang-Mills theory:I, hep-th/0304062.
1013. 86. S. Kovacs, On instanton contributions to anomalous dimensions in N=4 supersymmetric Yang-Mills theory, NP B 684 (1-2): 3-74 (2004), hep-th/0310193.
1014. 87. N. Beisert, M. Bianchi, J.F. Morales, H. Samtleben, On the spectrum of AdS/CFT beyond supergravity, JHEP (2): Art. No. 001 FEB (2004), hep-th/0310292.
1015. 88. H.J. Schnitzer, Gauged Vector Models and Higher-Spin Representations in AdS₅, hep-th/0310210.
1016. 89. D. Sadri and M.M. Sheikh-Jabbari, The Plane-Wave/Super Yang-Mills Duality, Rev. Mod. Phys. 76: 853-907 (2004), hep-th/0310119.
1017. 90. H.J. Schnitzer, Confinement/deconfinement transition of large N gauge theories with N_f fundamentals: N_f/N finite. Nucl.Phys. B695:267-282,2004, hep-th/0402219.
1018. 91. E. Sokatchev, Superconformal kinematics and dynamics in the AdS/CFT correspondence, in the Proc. of the fifth international workshop, Varna June, 2003, Lie theory and its applications in physics V, eds. H.-D. Doebner and V.K. Dobrev, (2004) p. 135-153.
1019. 92. Cs. Csaki, P. Meade, J. Terning, A mixed phase of SUSY gauge theories from A-maximization, JHEP 0404:040 (2004), hep-th/0403062.
1020. 93. N. Beisert, M. Bianchi, J.F. Morales, H. Samtleben, Higher Spin Symmetry and N=4 SYM, JHEP 0407 (2004) 058, hep-th/0405057.
1021. 94. N. Beisert, The dilatation operator of N=4 Super Yang-Mills theory and integrability, Phys.Rept.405:1-202,2005, hep-th/0407277.
1022. 95. D.A. Demir, Renormalization group invariants in MSSM and its extensions, JHEP 0511:003 (2005), hep-ph/0408043.
1023. 96. B. Eden, C. Jarczak and E. Sokatchev, A three-loop test of the dilatation operator in N=4 SYM, Nucl.Phys.B712:157-195,2005, hep-th/0409009.
1024. 97. S. Lee, J.H. Park Noncentral extension of the AdS(5) x S-5 superalgebra: supermultiplet of brane charges, JHEP (6): art. no. 038 (2004), hep-th/0404051.
1025. 98. M. Bianchi, Higher spins and stringy AdS₅xS₅, Fortsch.Phys.53:665-691,2005, hep-th/0409304.
1026. 99. M. Bianchi, Higher spin symmetry (breaking) in N=4 SYM Theory and holography, Comptes Rendus Physique 5:1091-1099,2004, hep-th/0409292.
1027. 100. J.F. Morales, H. Samtleben, Higher spin holography for SYM in d dimensions, Phys.Lett.B607:286-293,2005, hep-th/0411246.
1028. 101. Benjamin A. Burrington, James T. Liu, W.A. Sabra, AdS₅ black holes with fermionic hair, Phys.Rev. D71: 105015,2005, hep-th/0412155.
1029. 102. C. Carmeli, G. Cassinelli, A. Toigo, V.S. Varadarajan, Unitary representations of super Lie groups and applications to the classification and multiplet structure of super particles, CMP 263 (2006) 217, hep-th/0501061.
1030. 103. A. Barabanshikov, L. Grant, L.L. Huang, S. Raju, The spectrum of Yang Mills on a sphere, JHEP 0601 (2006) 160, hep-th/0501063.
1031. 104. M. Bianchi, V. Didenko, Massive higher spin multiplets and holography, Presented at Workshop on Higher Spin Gauge Theories, Brussels, Belgium, 12-14 May 2004, hep-th/0502220.
1032. 105. L. Genovese, Ya.S. Stanev, Rationality of the anomalous dimensions in N=4 SYM theory, Nucl.Phys.B721 (2005) 212, hep-th/0503084.

1033. 106. M. D'Alessandro and L. Genovese, A wide class of four point functions of BPS operators in N=4 SYM at order g^4 , Nucl.Phys. B732 (2006) 64, hep-th/0504061.
1034. 107. P.C. Argyres, M. Crescimanno, A.D. Shapere & J.R. Wittig, Classification of N=2 Superconformal Field Theories with Two-Dimensional Coulomb Branches, hep-th/0504070.
1035. 108. M. Bianchi, P.J. Heslop, F. Riccioni, More on la Grande Bouffe, JHEP 0508:088 (2005), hep-th/0504156.
1036. 109. M. Ibe, K.-I. Izawa, Yu Nakayama, Y. Shinbara, T. Yanagida, Conformally sequestered SUSY breaking in vector-like gauge theories, Phys. Rev. D 73, 015004 (2006), hep-ph/0506023.
1037. 110. Gu. Milanese and M. O'Loughlin, Singularities and closed time-like curves in type IIB 1/2 BPS geometries JHEP 0509 (2005) 008, hep-th/0507056 v2.
1038. 111. J. Henn, C. Jarczak, E. Sokatchev, On twist-two operators in N=4 SYM, Nucl.Phys.B730:191-209,2005, hep-th/0507241.
1039. 112. M. Ibe, Izawa K. -I., Yu Nakayama, Y. Shinbara, T. Yanagida, More on conformally sequestered SUSY breaking, Phys. Rev. D 73, 035012 (2006), hep-ph/0509229.
1040. 113. J. Kinney, J. Maldacena, Sh. Minwalla, S. Raju, An index for 4 dimensional super conformal theories, hep-th/0510251.
1041. 114. Yu. Nakayama, Index for orbifold quiver gauge theories, Phys. Lett. B636: 132-136 (2006) hep-th/0512280.
1042. 115. R.R. Metsaev, Light-cone formulation of conformal field theory adapted to AdS/CFT correspondence, Phys. Lett. B636: 227-233 (2006) hep-th/0512330.
1043. 116. J. Terning, Modern supersymmetry: Dynamics and duality, International Series of Monographs on Physics # 132, book, (Oxford University Press, 2005, ISBN-10: 0-19-856763-4 ISBN-13: 978-0-19-856763-9) 336 pages.
1044. 117. J. Maldacena, Large N Field Theories, String Theory and Gravity, in LECTURES ON QUANTUM GRAVITY, Series of the Centro De Estudios Cientificos, eds. A Gomberoff and D. Marolf, 2005, 91-150.
1045. 118. Yu. Nakayama, Index for supergravity on $AdS_5 \times T^{1,1}$ and conifold gauge theory, Nucl. Phys. B755: 295-312 (2006), hep-th/0602284.
1046. 119. M. Berkooz, D. Reichmann, J. Simon, A Fermi surface model for large supersymmetric AdS_5 black holes, JHEP 01(2007) 048, hep-th/0604023.
1047. 120. M. Ali-Akbari, M.M. Sheikh-Jabbari & M. Torabian, Tiny Graviton Matrix Theory/SYM Correspondence: Analysis of BPS States, Phys. Rev. D74: 066005 (2006), hep-th/0606117, v2.
1048. 121. M. Bianchi, F.A. Dolan, P.J. Heslop, H. Osborn, N=4 superconformal characters and partition functions, hep-th/0609179. Oxford Science Publications.
1049. 122. C. Jarczak, Anomalies and anomalous dimensions in $N = 4$ SYM theory, **PhD** thesis (2006) LAPTH these 1170/06, Lyon.
1050. 123. V. S. Varadarajan, Unitary representations of super Lie groups, Lectures given in Oporto, Portugal, July 2023, 2006.
1051. 124. L. Genovese, Conformal Invariance in Quantum Field Theory, **PhD** thesis, Roma, (2006?).
1052. 125. Yu. Tachikawa, AdS/CFT correspondence with eight supercharges, **PhD** thesis, 2006, SNS, IAS, Princeton.
1053. 126. A. Kato, Zonotopes and four-dimensional superconformal field theories, JHEP 06 (2007) 037, hep-th/0610266.
1054. 127. E. Gava, G. Milanese, K.S. Narain, M. O'Loughlin, 1/8 BPS States in AdS/CFT, JHEP 05 (2007) 030, hep-th/0611065.

1055. 128. M. Bianchi, S. Kovacs, G. Rossi, Instantons and Supersymmetry, Lect. Notes in Physics, v. 737 (2008) 303, hep-th/0703142.
1056. 129. Yu Nakayama, SUSY Unparticle and Conformal Sequestering, Phys. Rev. D 76, 105009 (2007), arXiv:0707.2451 [hep-ph].
1057. 130. T.A. Rytov & F. Sannino, Conformal Windows of SU(N) Gauge Theories, Higher Dimensional Representations and The Size of The Unparticle World. Phys. Rev. D 76, 105004 (2007), arXiv:0707.3166.
1058. 131. R.R. Metsaev, Ordinary-derivative formulation of conformal low spin fields, JHEP 01(2012) 064, arXiv:0707.4437 [hep-th].
1059. 132. H. Murayama, Ya. Nomura, D. Poland, More Visible Effects of the Hidden Sector, arXiv:0709.0775 [hep-ph].
1060. 133. R.R. Metsaev, Ordinary-derivative formulation of conformal totally symmetric arbitrary spin bosonic fields, JHEP 06 (2012) 062, arXiv:0709.4392 [hep-th].
1061. 134. Yu. Nakayama, Supersymmetry breaking effects in the unparticle sector and conformal sequestering, Phys.Rev. D 76 (2007) 105009.
1062. 135. O. Lunin, Gravitational description of field theories, Nucl.Phys.Proc.Suppl.171 (2007) 99.
1063. 136. L. Baulieu, G. Bossard, Superconformal invariance from N=2 supersymmetry Ward identities, JHEP 02 (2008) 075, arXiv:0711. 3776 [hep-th].
1064. 137. T. A. Rytov, F. Sannino, Supersymmetry Inspired QCD Beta Function, Phys. Rev. D 78, 065001 (2008), arXiv:0711.3745 [hep-th].
1065. 138. D. Trancanelli, Studies in Gauge/String Dualities, **PhD** thesis (2007), Stony Brook University.
1066. 139. G. Bossard, Des theories quantiques de champ topologiques aux theories de jauge supersymetriques, **PhD** thesis (2007) Universite Pierre et Marie Curie.
1067. 140. J. Bhattacharya, S. Bhattacharyya, S. Minwalla and S. Raju, Indices for Superconformal Field Theories in 3,5 and 6 Dimensions, JHEP 02 (2008) 064, arXiv:0801.1435.
1068. 141. M. Ibe, Y. Nakayama, T.T. Yanagida, Conformal Supersymmetry Breaking and Dynamical Tuning of the Cosmological Constant, Phys.Lett.B668 (2008) 28, arXiv:0802.2753 [hep-th].
1069. **142.** F. Sannino Dynamical Stabilization of the Fermi Scale: Phase Diagram of Strongly Coupled Theories for (Minimal) Walking Technicolor and Unparticles, Dynamical Stabilization of the Fermi Scale: Towards a composite universe, Springer Briefs in Physics, (2013), arXiv:0804.0182.
1070. 143. J. Galloway, J. McRaven and J. Terning, Anomalies, unparticles, and Seiberg duality, Phys. Rev. D 80 (2009) 105017, arXiv:0805.0799 [hep-ph].
1071. 144. F. Sannino, (Near) conformal technicolor: What is really new? To appear in the proceedings of 22nd Les Rencontres de Physique de la Vallee d'Aoste, La Thuile, Aosta Valley, Italy, 24 Feb - 1 Mar 2008, arXiv:0806.3575 [hep-ph].
1072. 145. D. R. Gulotta, Properly ordered dimers, R -charges, and an efficient inverse algorithm, JHEP 10 (2008) 014, arXiv:0807.3012 [hep-th].
1073. 146. Yu Nakayama, Index for Non-relativistic Superconformal Field Theories, JHEP10 (2008) 083, arXiv: 0807.3344 [hep-th].
1074. 147. T. A. Rytov, F. Sannino, Ultra Minimal Technicolor and its Dark Matter TIMP, Phys. Rev. D 78, 065001 (2008), arXiv:0809.0713 [hep-ph].
1075. 148. A.D. Shapere and Y. Tachikawa, Central charges of N=2 superconformal field theories in four dimensions, JHEP09(2008)109, arXiv:0804.1957v2.
1076. 149. T. H. Newton, M. Spradlin, Quite a Character: The Spectrum of Yang-Mills on S^3 , PLB 672 (2009) I382, arXiv:0812.4693 [hep-th].

1077. 150. G. Milanesi and M. O’Loughlin, Holography and chronology protection, in the Proc. of the second Time and Matter conference, August 2007, Bled, Slovenia, publ. University of Nova Gorica Press (2008) p. 325.
1078. 151. Th. A. Rytlov, The Conformal Window and Walking Technicolor, Nucl.Phys.Proc.Suppl.192-193 (2009) 176, arXiv:0902.0486 [hep-ph].
1079. 152. F. Sannino, Conformal Windows of $SP(2N)$ and $SO(N)$ Gauge Theories, Phys.Rev.D79:096007,2009, arXiv:0902.3494 [hep-ph].
1080. 153. T. A Rytlov, F. Sannino, Conformal House, Int. J. of Mod. Phys. A 25 (24) (2010) 4603, arXiv:0906.0307 [hep-ph].
1081. 154. A. Rej, Integrability and the AdS/CFT correspondence, J. Phys. A: Math. Theor.42:254002, 2009, arXiv:0907.3468 [hep-th].
1082. 155. S.S. Gubser, C.P. Herzog, S.S. Pufu, T. Tesileanu, Superconductors from Superstrings, Phys.Rev.Lett. 103:141601 (2009), arXiv:0907.3510 [hep-th].
1083. 156. D.D. Dietrich, A mass-dependent beta-function, Phys.Rev.D80:065032 (2009), arXiv:0908.1364 [hep-th].
1084. 157. D. Poland, The phase structure of supersymmetric $Sp(2N_c)$ gauge theories with an adjoint, JHEP 0911:049 (2009), arXiv: 0908.2131 [hep-th].
1085. 158. O. Antipin, K. Tuominen, Resizing the Conformal Window: A beta function Ansatz. Phys.Rev.D81: 076011,2010, arXiv:0909.4879 [hep-ph].
1086. 159. D. Poland, D. Simmons-Duffin, Superconformal Flavor Simplified, JHEP 1005:079 (2010), arXiv:0910.4585 [hep-ph].
1087. 160. F. Sannino, Conformal Dynamics for TeV Physics and Cosmology, Acta Physica Polonica B 40 (2009) 3533 , arXiv:0911.0931 [hep-ph].
1088. 161. M. Jarvinen, F. Sannino, Holographic conformal window - A Bottom Up Approach, JHEP 1005:041 (2010), arXiv:0911.2462 [hep-ph].
1089. 162. S. Fernando, M. Gunaydin, Minimal unitary representation of $SU(2,2)$ and its deformations as massless conformal fields and their supersymmetric extensions, JMP 51 (2010) 082301, arXiv:0908.3624v2 [hep-th].
1090. 163. O. Antipin, K. Tuominen, Constraints on Conformal Windows from Holographic Duals. Mod.Phys.Lett.A 26 (2011) 2227, arXiv:0912.0674 [hep-ph].
1091. 164. T. Horigane, Y. Kazama, Exact Quantization of a Superparticle in $AdS_5 \times S^5$, Phys.Rev. D81 (2010) 045004, arXiv:0912.1166 [hep-th].
1092. 165. V. Asnin, On metric geometry of conformal moduli spaces of four-dimensional superconformal theories, JHEP 1009:012 (2010), arXiv:0912.2529 [hep-th].
1093. 166. T.W. Brown, Gauge/gravity duality beyond the planar limit, **PhD** thesis, (2009), Queen Mary, University of London.
1094. 167. O. Aharony, L. Berdichevsky, M. Berkooz, Y. Hochberg, D. Robles-Llana, Inverted Sparticle Hierarchies from Natural Particle Hierarchies, Phys.Rev.D81 (2010) 085006, arXiv:1001.0637 [hep-ph].
1095. 168. T.W. Brown, Cut-and-join operators and $N=4$ super Yang-Mills. JHEP 05 (2010) 058, arXiv:1002.2099 [hep-th].
1096. 169. D. Volin, Quantum integrability and functional equations. Applications to the spectral problem of AdS/CFT and two-dimensional sigma models, Thèse de Doctorat (2009) Université Paris-XI, Institut de Physique Théorique, J.Phys.A44:124003,2011, arXiv:1003.4725.
1097. 170. F. Sannino, Phase Diagrams of Strongly Interacting Theories, Int.J.Mod.Phys.A25:5145-5161,2010, arXiv:1003.0289 [hep-ph].

1098. 171. D. Serban, Integrability and AdS/CFT correspondence, Memoire D'Habilitation, J.Phys. A 44 (2011) 124001, arXiv:1003.4214.
1099. 172. K. Yonekura, Notes on Operator Equations of Supercurrent Multiplets and Anomaly Puzzle in Supersymmetric Field Theories, JHEP 1009:049 (2010), arXiv:1004.1296 [hep-th].
1100. 173. N. Beisert, On Yangian symmetry in planar N=4 SYM, published in *Diakonov, D. (ed.): Subtleties in quantum field theory* 175-203 , arXiv:1004.5423 [hep-th].
1101. 174. D.D. Dietrich, Quasiconformality and mass, Phys.Rev. D82 (6) art. no. 065007 (2010) , arXiv:1005.1324 [hep-ph].
1102. 175. D. Green, Z. Komargodski, N. Seiberg, Yu. Tachikawa, B. Wecht, Exactly Marginal Deformations and Global Symmetries, JHEP 06 (2010) 106, arXiv:1005.3546 [hep-th].
1103. 176. A. Gadde, E. Pomoni, L. Rastelli, Spin chains in N=2 Superconformal theories: from the Z_2 quiver to superconformal QCD, JHEP 06 (2012) 107, arXiv:1006.0015 [hep-th].
1104. 177. J.M. Drummond, P.J. Heslop, P.S. Howe, A note on N=8 counterterms, arXiv:1008.4939 [hep-th] .
1105. 178. N. Beisert, H. Elvang, D. Z. Freedman, M. Kiermaier, A.Morales, S. Stieberger, E7(7) constraints on counterterms in N=8 supergravity, Phys.Lett.B694:265-271,2010, arXiv:1009.1643 [hep-th].
1106. 179. D. Poland, D. Simmons-Duffin, Bounds on 4D Conformal and Superconformal Field Theories, JHEP 05 (2011) 017 , arXiv :1009.2087 [hep-th].
1107. 180. T. Kawano, F. Yagi, a-Maximization in N=1 Supersymmetric Spin(10) Gauge Theories, Int. J. of Mod. Phys. A 25 (31) (2010) 5595, arXiv:1010.0065.
1108. 181. N. Beisert, Review of AdS/CFT Integrability, Chapter VI.1: Superconformal Symmetry, Lett. Math. Phys. 99 (2012) 529, arXiv:1012.4004 [hep-th].
1109. 182. H. Knuth, On invariants and scalar chiral correlation functions in N=1 superconformal field theories, Int. J of Mod. Phys. A 26 (2011) 2007, arXiv:1010.2740.
1110. 183. Th.A. Rytov, R. Shrock, Higher-Loop Corrections to the Infrared Evolution of a Gauge Theory with Fermions. Phys. Rev. D 83, 056011 (2011), arXiv:1011.4542 [hep-ph].
1111. 184. D. Volin, String hypothesis for $gl(n-m)$ spin chains: a particle/hole democracy, LMP 102 (2012) 1, arXiv:1012.3454.
1112. 185. S. Nawata, Localization of N=4 Superconformal Field Theory on S^1xS^3 and Index, JHEP 11 (2011) 144, arXiv:1104.4470 [hep-th].
1113. 186. J.R. Galloway, Stabilizing the weak scale with conformal dynamics: A Survey of model building approaches, (University of California, Davis). UMI-3429584. May 2011. 112 pp. **PhD** thesis.
1114. 187. A. Gadde, L. Rastelli, S.S. Razamat and W.Yan, On the Superconformal Index of N=1 IR Fixed Points: A Holographic Check, JHEP 1103:041 (2011).
1115. 188. P. Liendo, E. Pomoni, L. Rastelli, The Complete One-Loop Dilation Operator of N=2 SuperConformal QCD, JHEP 07 (2012) 3, arXiv:1105.3972 [hep-th].
1116. 189. G. Bossard, P.S. Howe, K.S. Stelle, P. Vanhove, The vanishing volume of D=4 superspace, Class.Quant.Grav. 28 (2011) 215005 , arXiv:1105.6087 [hep-th].
1117. 190. A. Vichi, Improved bounds for CFT's with global symmetries, JHEP 01 (2012) 162, arXiv:1106.4037.
1118. 191. T. Tesileanu, Charged black holes and the ADS/CFT correspondence, **PhD** thesis, Princeton, 2011.
1119. 192. A. Gadde, L. Rastelli, S.S. Razamat, and W. Yan, Gauge Theories and Macdonald Polynomials, CMP (2012) DOI: 10.1007/s00220-012-1607-8, arXiv:1110.3740 [hep-th].
1120. 193. W.D. Goldberger, W. Skiba & M. Son, Superembedding methods for 4d N=1 SCFTs, Phys.Rev. D86 (2012) 025019 , arXiv:1112.0325 [hep-th].

1121. 194. A. Vichi, A New Method to Explore Conformal Field Theories in Any Dimension, **PhD** thesis, 2011, Ecole Polyt. Fed. de Lausanne.
1122. 195. T.A. Rytov, R. Shrock, Comparison of Some Exact and Perturbative Results for a Supersymmetric SU(Nc) Gauge Theory, Phys.Rev. D 85 (2012) art. n. 076009, arXiv:1202.1297 [hep-ph].
1123. 196. T. Andrade and C.F. Uhlemann, Beyond the unitarity bound in AdS/CFT(A)dS, JHEP 01 (2012) 123, arXiv:1111.2553.
1124. 197. D. Green, D. Shih, Bounds on SCFTs from Conformal Perturbation Theory, JHEP 9 (2012) 026, arXiv:1203.5129 [hep-th].
1125. 198. S. Ananth, S. Kovacs, S. Parikh, Gauge-invariant correlation functions in light-cone superspace, JHEP 05 (2012) 96, arXiv:1203.5376 [hep-th].
1126. 199. T. Ohl, Ch. F. Uhlemann, Saturating the unitarity bound in AdS/CFT(AdS), JHEP 05 (2012)161, arXiv:1204.2054.
1127. 200. H. Knuth, Superconformal Invariants and Correlation Functions, **PhD** thesis (2012) Goettingen.
1128. 201. W. Yan, The Spectrum of Superconformal Theories, **PhD** thesis, 2012, Stony Brook University.
1129. 202. Y. Aoki, T. Aoyama, M. Kurachi, T. Maskawa, K. -i. Nagai, H. Ohki, A. Shibata and K. Yamawaki *et al.*, Lattice study of conformality in twelve-flavor QCD, Phys.Rev. D 86 (2012) 054506, arXiv:1207.3060 [hep-lat].
1130. 203. D.R. Gulotta, AdS/CFT in string theory and M-theory, **PhD** thesis, 2012, Princeton.
1131. 204. R.R. Metsaev, Conformal totally symmetric arbitrary spin fermionic fields, arXiv:1211.4498.
1132. 205. D.W. Simmons-Duffin, Carving out the space of conformal field theory, **PhD** thesis (2012) Harvard University, Cambridge, Massachusetts, USA.
1133. 206. S. Zheng, A Note on Bounds of Scalar Operators in Perturbative SCFTs, Nucl. Phys. B870 (2013) 78, arXiv:1205.1192 [hep-th].
1134. 207. W.D. Goldberger, Z.U. Khandker, D. Li, and W. Skiba, Superembedding Methods for Current Superfields, Phys. Rev. D 88 (2013) 125010, arXiv:1211.3713.
1135. 208. J.E. McRaven, Extending the Standard Model with Confining and Conformal Dynamics, PROQUEST-1319303335, ISBN 9781267969118 **PhD** thesis, number AAT-3555377 (2012) Univ. of California, Davis, USA.
1136. 209. C. -Y. Ju, W. Siegel, Systematizing semi-shortening Phys. Rev. D 90 (2014) 125004, arXiv:1302.2515 [hep-th].
1137. 210. M. Gunaydin, R. Kallosh, Obstruction to $E_{7(7)}$ Deformation in N=8 Supergravity, arXiv:1303.3540.
1138. 211. A.A. Ardehali, J.T. Liu, P. Szepietowski, The spectrum of IIB supergravity on $AdS_5 \times S^5/Z_3$ and a $1/N^2$ test of AdS/CFT, JHEP 06 (2013) 024, arXiv:1304.1540 [hep-th].
1139. 212. G. Bossard, P.S. Howe, K.S. Stelle, 1. Invariants and divergences in half-maximal supergravity theories, JHEP 07 (2013) 117, arXiv:1304.7753 [hep-th].
1140. 213. P. Liendo, Uncovering the structure of (super)conformal field theory, **PhD** thesis (2013) Stony Brook University.
1141. 214. K.H. Neeb, H. Salmasian, Positive definite superfunctions and unitary representations of Lie supergroups, Transf. Groups Vol. 18 Issue: 3 (2013) 803.
1142. 215. J. Pařukonis, BPS Operators and Brane Geometries, **PhD** thesis (2013), Queen Mary, Univ. of London.
1143. 216. K. Yonekura, Supersymmetric gauge theory, (2,0) theory and twisted 5d Super-Yang-Mills, JHEP 01 (2014) 142, arXiv:1310.7943 [hep-th].

1144. 217. M. Buican, Minimal Distances Between SCFTs, JHEP 01 (2014) 155, arXiv:1311.1276 [hep-th] .
1145. 218. AA Ardehali, J.T. Liu, P. Szepietowski, The shortened KK spectrum of IIB supergravity on $Y^{p,q}$, JHEP 1402 (2014) 064, arXiv:1311.4550 [hep-th].
1146. 219. C. Beem, M. Lemos, P. Liendo, W. Peelaers, L. Rastelli, B. C. van Rees, Infinite Chiral Symmetry in Four Dimensions arXiv:1312.5344 [hep-th].
1147. 220. Ran Ding, Liucheng Wang, Bin Zhu, Neutralino Dark Matter in Gauge Mediation After Run I of LHC and LUX Phys.Lett. B733 (2014) 373-379 , arXiv:1403.3908 [hep-ph].
1148. 221. C. Beem, L. Rastelli & B.C. van Rees, W Symmetry in six dimensions, arXiv:1404.1079 [hep-th].
1149. 222. D. Li, A. Stergiou, Two-point functions of conformal primary operators in N=1 superconformal theories, JHEP, 10 (2014) 037, arXiv:1407.6354 [hep-th] .
1150. 223. M. Buican, T. Nishinaka, C. Papageorgakis, Constraints on Chiral Operators in N=2 SCFTs. JHEP 12 (2014) 095, arXiv:1407.2835 [hep-th].
1151. 224. Th.A. Rytlov, Conformal Behavior at Four Loops and Scheme (In)Dependence Phys. Rev. D 90 (2014) 056007 , arXiv:1408.5841.
1152. 225. M. Buican, T. Nishinaka, Compact Conformal Manifolds, arXiv:1410.3006 [hep-th].
1153. 226. M. Beccaria, A.A. Tseytlin, Higher spins in AdS₅ at one loop: vacuum energy, boundary conformal anomalies and AdS/CFT, JHEP 11 (2014)114, arXiv:1410.3273 [hep-th].
1154. 227. L. Rastelli, S.S. Razamat, The superconformal index of theories of class S, arXiv:1412.7131 [hep-th].
1155. 228. C. Beem, M. Lemos, P. Liendo, L. Rastelli and B. C. van Rees, The $\mathcal{N} = 2$ superconformal bootstrap, arXiv:1412.7541 [hep-th].
1156. 229. S. Valatka, Exact Results in Supersymmetric Gauge Theories, **PhD thesis**, King's College, UK, arXiv:1501.00111.
1157. 230. A.L. Fitzpatrick, J. Kaplan, Z.U. Khandker, D.L. Li, D. Poland, D. Simmons-Duffin, Covariant approaches to superconformal blocks, JHEP 08 (2014) 129.
1158. 231. A. Ghodsi, B. Khavari, A. Naseh, Holographic Two-Point Functions in Conformal Gravity, JHEP 01 (2015)137, arXiv:1411.3158.
1159. 232. O. Aharony, M. Berkooz, Soo-Jong Rey, Rigid Holography and Six-Dimensional N=(2,0) Theories on AdS₅ times S¹ arXiv:1501.02904 [hep-th].
1160. 233. N. Bobev, S. El-Showk, D. Mazac, M. F. Paulos, Bootstrapping SCFTs with Four Supercharges, arXiv:1503.02081 [hep-th].

Ref. C3: [1]

1161. 1. J.F. Cornwell, *Group Theory in Physics, Vol. III, page 603*, book, Academic Press, London & San Diego, 1989.

Ref. C4: [10]

1162. 1. J.F. Cornwell, *Group Theory in Physics, Vol. III, page 603*, book, Academic Press, London & San Diego, 1989.
1163. 2. S. Minwalla, Restrictions imposed by Superconformal Invariance On Quantum Field Theories, preprint Princeton University, PUPT-1748, hep-th/9712074.
1164. 3. J. Terning, Non-perturbative supersymmetry, TASI-2002 Lectures, publ. in Particle physics and cosmology (2004) p. 343, eds. H. Haber, A. Nelson, World scientific publishing, hep-th/0306119.

1165. 4. Cs. Csaki, P. Meade, J. Terning, A mixed phase of SUSY gauge theories from A-maximization, JHEP 0404:040 (2004), hep-th/0403062.
1166. 5. C. Carmeli, G. Cassinelli, A. Toigo, V.S. Varadarajan, Unitary representations of super Lie groups and applications to the classification and multiplet structure of super particles, CMP 263 (2006) 217, hep-th/0501061.
1167. 6. A. Barabanshikov, L. Grant, L.L. Huang, S. Raju, The spectrum of Yang Mills on a sphere, JHEP 0601 (2006) 160, hep-th/0501063.
1168. 7. J. Terning, Modern supersymmetry: Dynamics and duality, International Series of Monographs on Physics # 132, book, (Oxford University Press (2005), ISBN-10: 0-19-856763-4 ISBN-13: 978-0-19-856763-9) 336 pages.
1169. 8. V. S. Varadarajan, Unitary representations of super Lie groups, Lectures given in Oporto, Portugal, July 2023, 2006.
1170. 9. J. Kinney, J. Maldacena, Sh. Minwalla, S. Raju, An index for 4 dimensional super conformal theories, CMP 275 (2007) 209, hep-th/0510251.
1171. 10. J. Galloway, J. McRaven and J. Terning, Anomalies, unparticles, and Seiberg duality, Phys. Rev. D 80 (2009) 105017, arXiv:0805.0799 [hep-ph].

Ref. 22: [7]

1172. 1. R. Zaikov, Conformal Invariance In Weyl Gravity, Int.J.Theor.Phys. 26 (1987) 537.
1173. 2. M. Nakashima, Indefinite harmonic forms and gauge theory, CMP 117 (1988) 109.
1174. 3. V. Dobrev, Kazhdan-Lusztig polynomials, subsingular vectors and conditionally invariant (q-deformed) equations, in the Proceedings of the Int. Symp. "Symmetries in Science IX", (August 1996, Bregenz, Austria), eds. B. Gruber et al, Plenum Press, New York and London (1997) p. 47.
1175. 4. V. Dobrev, Subsingular vectors and conditionally invariant (q-deformed) equations, J. Phys. A: Math. Gen. 28 (1995) 7135 - 7155.
1176. 5. V. Dobrev, Representations of quantum groups and (conditionally) invariant q-difference equations, in: Proceedings "Quantum Groups and Quantum Spaces", eds. R. Budzynski, W. Pusz and S. Zakrzewski, Banach Center Publications v. 40, Inst. of Math., Polish Acad. Sci., (Warsaw, 1997) pp. 203-222.
1177. 6. V.K. Dobrev, H.-D. Doebner and Ch. Mrugalla, Lowest weight representations of the Schrödinger algebra and generalized heat/Schrödinger equations, Rep.Math.Phys. 39, Issue 2 (1997) 201.
1178. 7. M. Lazar, Group theoretical analysis of light-cone dominated hadronic processes and twist decomposition of nonlocal operators in quantum chromodynamics, **PhD** thesis, hep-ph/0308049.

Ref. 23: [17]

1179. 1. G. Sotkov, M. Stanishkov, Yukawa couplings for the three-generation string model, PL B215 (1988) 674.
1180. 2. J. Bagger, D. Nemeschanski, J.-B. Zuber, Minimal model correlation functions on the torus, PL B216 (1989) 320.
1181. 3. R. Brustein, S. Yankielowicz, J.-B. Zuber, Factorization and selection rules of operator product algebras in conformal field theories, NP B313 (1989) 321.
1182. 4. P. Furlan, G. Sotkov, I.T. Todorov, Riv.Nuovo Cim. 12 (1989) 1.
1183. 5. J. Fuchs, A. Klemm, The computation of the operator algebra in non-diagonal conformal field theories, Ann.Phys. 194 (1989) 303.
1184. 6. T. Klassen, E. Melzer, RG flows in the D series of minimal CFTs, Nucl.Phys. B400 (1993) 547.

1185. 7. J. Fuchs, *Affine Lie Algebras and Quantum Groups*, book, Cambridge Univ. Press (1992).
1186. 8. B.R. Greene, C.A. Luetken, G.G. Ross, Couplings in the heterotic superconformal three generation model, Nucl.Phys.B 325 (1989) 101.
1187. 9. C.A. Luetken, String theory of Calabi-Yau compactifications, in the proc. of the Silesian School of Theoretical Physics, Szczyrk, Poland, Standard model and beyond, (1992) p. 291 -348, Nova Science Publishers, New York.
1188. 10. J.-B. Zuber, Conformal, integrable and topological theories, Saclay-SPHT-94-156 (1994), Talk at 11th Int.Conf. on Math. Phys. (ICMP-11), Paris, France, 18-23 July 1994, hep-th/9412202.
1189. 11. J.-B. Zuber, On various avatars of the Pasquier algebra, talk at the International Colloquium on 'Modern Quantum Field Theory', Bombay, January 5-11, 1994 (eds.: Das S.R., Mandal G., Mukhi S., Wadia S.R.), World Scientific, 1995, pages 301-312.
1190. 12. J. McCabe, T. Sami, T. Wydro, Structure constants of the $D(5)$ chiral minimal model, Int.J.Mod.Phys. A11 (1996) 111.
1191. 13. A. Rida, T. Sami, Non-chiral fusion rules and structure constants of D_m minimal models, hep-th/9910070.
1192. 14. S. Balaska, K. Demmouche, The correlation functions of the $(D - 4 - A(6))$ conformal model, Int.J.Mod.Phys.A19 (2004) 4271, hep-th/0210071.
1193. 15. S. Balaska, K. Demmouche, Correlation functions of the tri-critical 3-states Potts model, Mod.Phys.Lett. A19 (2004) 2135, hep-th/0312275.
1194. 16. K. Matsubara, V. Schomerus, M. Smedback, Open strings in simple current orbifolds, Nucl. Phys. B 626 (2002) 53-72.
1195. 17. J. Fröhlich, J. Fuchs, I. Runkel, Ch. Schweigert, Duality and defects in rational conformal field theory, Nucl.Phys. B763 (2007) 354-430, hep-th/0607247.

Ref. 24: [1]

1196. 1. Z. Haba, Quantum field theory with an interaction on the boundary, Ann.Phys. 321 (2006) 2286, hep-th/0601122.

Ref. 25: [20]

1197. 1. M. Hayashi, Determination of fusion rule for E7-type conformal field-theory, Prog. Theor. Phys. 86: (2) 555-561 (1991).
1198. 2. M. Hayashi, Determination of fusion rule for E8-type conformal field-theory, Prog. Theor. Phys. 86: (2) 563-573 (1991).
1199. 3. T. Klassen, E. Melzer, RG flows in the D series of minimal CFTs. Nucl.Phys. B400 (1993) 547.
1200. 4. F. Ravanini, RG flows of nondiagonal minimal models perturbed by $\phi_{(1,3)}$, Phys.Lett.B274(1992) 345-351, hep-th/9110018.
1201. 5. J. Fuchs, *Affine Lie Algebras and Quantum Groups*, book, Cambridge Univ. Press (1992).
1202. 6. J.-B. Zuber, Conformal, integrable and topological theories, Saclay-SPHT-94-156 (1994), Talk at 11th Int.Conf. on Math. Phys. (ICMP-11), Paris, France, 18-23 July 1994.
1203. 7. J.-B. Zuber, On various avatars of the Pasquier algebra, talk at the International Colloquium on 'Modern Quantum Field Theory', Bombay, January 5-11, 1994 (eds.: Das S.R., Mandal G., Mukhi S., Wadia S.R.), World Scientific, 1995, pages 301-312.
1204. 8. I.T. Todorov, Arithmetic features of rational conformal field theory, Ann. Inst. Henri Poincaré', vol. 63, no.4. (1995) 427.

1205. 9. J. Fuchs and C. Schweigert, Branes: From free fields to general backgrounds, hep-th/9712257, Nucl.Phys. B530 (1998) 99-136.
1206. 10. I. Runkel, Structure constants for the D-series Virasoro models, hep-th/9908046, Nucl. Phys. B579 (2000) 561.
1207. 11. A. Rida, T. Sami, Non-chiral fusion rules and structure constants of D_m minimal models, hep-th/9910070.
1208. 12. M. Gaberdiel, An introduction to conformal field theory, Rep. on Prog. in Phys. 63: (4) 607-667 (2000), hep-th/9910156.
1209. 13. C.J. Efthimiou and D.A. Spector, A collection of exercises in 2-dim physics. Part I, hep-th/0003190.
1210. 14. I. Runkel, Boundary Problems in Conformal Field Theory, **PhD** thesis, King's College, 2000.
1211. 15. S. Balaska, K. Demmouche, The correlation functions of the D(6) conformal model, Int.J.Mod.Phys.A19 (2004) 4271, hep-th/0210071.
1212. 16. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators III: Simple currents, Nucl.Phys. B694 (2004) 277, hep-th/0403157.
1213. 17. J. Fuchs, I. Runkel, Ch. Schweigert, TFT construction of RCFT correlators IV: structure constants and correlation functions, Nucl.Phys. B 715 (2005) 539, hep-th/0412290.
1214. 18. G. Takacs, Finite volume analysis of scattering theory in the scaling Potts model, arXiv:1112.5165 [cond-mat.stat-mech].
1215. 19. A. Rapp, P. Schmitteckert, G. Takacs, G. Zarand, Asymptotic scattering and duality in the one-dimensional three-state quantum Potts model on a lattice, New J. Phys. 15 (2013) 013058, arXiv:1112.5164 [cond-mat.stat-mech].
1216. 20. M. Lencses, G. Takacs, Excited state TBA and renormalized TCSA in the scaling Potts model, JHEP 09 (2014) 052, arXiv:1405.3157.

Ref. 26: [26]

1217. 1. I.T. Todorov, Quantum groups as symmetries of chiral conformal algebras, in: Quantum Groups, Proc. of the 8th Summer Workshop in Mathematical Physics, Clausthal-Zellerfeld, July 1989, H.-D. Doebner and J.-D. Hennig (Eds.), Lect. Notes in Phys. **370** (1990) 231, Springer, Berlin.
1218. 2. M. Hayashi, Determination of fusion rule for E7-type conformal field-theory, Prog. Theor. Phys. 86: (2) 555-561 (1991).
1219. 3. M. Hayashi, Determination of fusion rule for E8-type conformal field-theory, Prog. Theor. Phys. 86: (2) 563-573 (1991).
1220. 4. T. Matsuzaki, T. Suzuki, (Tsukuba U.), Unitary highest weight representation of $u-q(\mathfrak{su}(1,1))$ when q is a root of unity. UTHEP-239, Jun 1992, J.Phys. A26 (1993) 4355.
1221. 5. K.-H. Rehren, Ya. S. Stanev, I.T. Todorov, Characterising invariants for local extensions of current algebras, hep-th/9409165, CMP (1995) 174:605-634.
1222. 6. J.-B. Zuber, Conformal, integrable and topological theories, Saclay-SPHT-94-156 (1994), Talk at 11th Int.Conf. on Math. Phys. (ICMP-11), Paris, France, 18-23 July 1994, hep-th/9412202.
1223. 7. E. Cremmer, J.L. Gervais, J.F. Roussel, The genus-zero bootstrap of chiral vertex operators in Liouville theory, NP B 413: (1-2) 244-277 (1994).
1224. 8. J.-B. Zuber, On various avatars of the Pasquier algebra, talk at the International Colloquium on 'Modern Quantum Field Theory', Bombay, January 5-11, 1994 (eds.: Das S.R., Mandal G., Mukhi S., Wadia S.R.), World Scientific, 1995, pages 301-312.

1225. 9. I. Runkel, Boundary structure constants for the A - series Virasoro minimal models, hep-th/9811178, Nucl. Phys. B549 (1999) 563.
1226. 10. I. Runkel, Structure constants for the D-series Virasoro models, hep-th/9908046, Nucl. Phys. B579 (2000) 561.
1227. 11. A. Rida, T. Sami, Non-chiral fusion rules and structure constants of D_m minimal models, hep-th/9910070.
1228. 12. M. Gaberdiel, An introduction to conformal field theory, Rep. Prog. Phys. 63: (4) 607-667 (2000), hep-th/9910156.
1229. 13. C.J. Efthimiou and D.A. Spector, A collection of exercises in 2-dim physics. Part I. , hep-th/0003190.
1230. 14. I. Runkel, Boundary Problems in Conformal Field Theory, **PhD** thesis, King's College, 2000.
1231. 15. K. Graham, I. Runkel, G.M.T Watts, Minimal model boundary flows and $c=1$ CFT, Nucl.Phys. B608:527-556,2001, hep-th/0101187.
1232. 16. B. Ponsot, Monodromy of solutions of the Knizhnik-Zamolodchikov equation: $SL(2,C)/SU(2)$ WZNW model, Nucl.Phys. B642 (2002) 114-138, hep-th/0204085.
1233. 17. K. Matsubara, V. Schomerus, M. Smedback, Open strings in simple current orbifolds, Nucl. Phys. B 626 (2002) 53-72.
1234. 18. J. K. Slingerland, Hopf symmetry and its breaking: Braid Statistics and Confinement in Planar Physics, **PhD** thesis, 2002, Amsterdam.
1235. 19. B. Ponsot, Monodromy of solutions of the Knizhnik-Zamolodchikov equation: $SL(2)(k)$ WZNW model , in proceed. of 6th International Workshop on Conformal Field Theory and Integrable Models, SEP 22, 2002 Chernogolovka, Russia, Int.J.Mod.Phys. A 19 (2004) 336, Suppl. S.
1236. 20. N. Sousa, Open descendants at $c = 1$, **PhD** thesis, hep-th/0505090.
1237. 21. J. Fröhlich, J. Fuchs, I. Runkel, Ch. Schweigert, Duality and defects in rational conformal field theory, Nucl.Phys. B763 (2007) 354-430, hep-th/0607247 v2.
1238. 22. I. Runkel, Perturbed Defects and T-Systems in Conformal Field Theory, J.Phys. A41 (2008) 105401, arXiv:0711.0102 [hep-th].
1239. 23. D. Manolopoulos, I. Runkel, A Monoidal Category for Perturbed Defects in Conformal Field Theory, CMP 295 (2010) 327, arXiv:0904.1122 [hep-th].
1240. 24. I. Runkel, Non-local conserved charges from defects in perturbed conformal field theory. J. Phys. A 43 (2010) 365206, arXiv:1004.1909 [hep-th].
1241. 25. R. Bondesan, J.L. Jacobsen, H. Saleur, Rectangular amplitudes, conformal blocks, and applications to loop models, Nucl.Phys.B867 (2013) 913, arXiv:1207.7005.
1242. 26. M Pawelkiewicz, V Schomerus, P Suchanek, The universal Racah-Wigner symbol for $U_q(\mathfrak{osp}(1-2))$, JHEP 04 (2014) 079, arXiv: 1307.6866.

Ref. 27: [66]

1243. 1. I.T. Todorov, Quantum groups as symmetries of chiral conformal algebras, in: Quantum Groups, Proc. of the 8th Summer Workshop in Mathematical Physics, Clausthal-Zellerfeld, July 1989, H.-D. Doebner and J.-D. Hennig (Eds.), Lect. Notes in Phys. **370** (1990) 231, Springer, Berlin.
1244. 2. J. Balog, L. Dabrowski, L. Feher, Classical R-matrix and exchange algebra in WZNW and Toda theories, Phys.Lett. B244 (1990) 227.
1245. 3. P. Bouwknegt, J. McCarthy, K. Pilch, Free field approach to 2-dimensional conformal field-theories Yukawa Int. Seminar "Common trends in mathematics and QFT" (1990), Progr. Theor. Phys. (suppl.) 102 (1990) 67 .

1246. 4. R. Cappuccino, E. Guadagnini, On braid statistics, Phys.Lett. B252 (1990) 420.
1247. 5. V.K. Dobrev, Proc. Int. Symp. "Symmetries in Science V: Algebraic structures, their representations, realizations, and physical applications", Schloss Hofen, Vorarlberg, Austria, August (1990).
1248. 6. V.K. Dobrev, Progr. Theor. Phys. (suppl.) 102 (1990) 137. (Lectures Kyoto , Yukawa Int. Seminar "Common trends in mathematics and QFT" (1990).)
1249. 7. E. Guadagnini, M. Martellini, M. Mintchev, Braids and quantum group symmetry in Chern-Simons theory, Nucl.Phys. B336 (1990) 581.
1250. 8. L.K. Hadjiivanov, R.R. Paunov, I.T. Todorov, Extended chiral conformal models with a quantum group symmetry, Nucl.Phys. (Proc.Suppl.) 18 B (1990) 637.
1251. 9. B.Y. Hou, K.J. Shi, P. Wang, R.H. Yue, The crossing matrices of WZW SU(2) model and minimal models with the quantum 6j symbols , NP B345 (1990) 659.
1252. 10. I.G. Koh, S. Ouvry, I.T. Todorov, Quantum dimensions and modular forms in chiral conformal theory, PL 242 (1990) 205.
1253. 11. G. Mack, V. Schomerus, Conformal field algebras with quantum symmetry from the theory of superselection sectors, CMP 134 (1990) 139.
1254. 12. M. Nomura, Various Kinds of Relations for 3n-j Symbols of Quantum Group SU_q(2), J.Phys.Soc.Japan 59 (1990) 3851.
1255. 13. M. Nomura, An Alternative Description of the Quantum Group SU_q(2) and the q-Analog Racah-Wigner Algebra, J. Phys. Soc. Japan, 59 (1990) 439.
1256. 14. H. Ruegge, Lect.Notes in Phys. 370 (1990) 231.
1257. 15. H. Ruegge, A simple derivation of the quantum ClebschGordan coefficients for SU(2)_q, JMP 31 (1990) 1085.
1258. 16. P. P. Raychev, R.P. Roussev and Yu.F. Smirnov, The quantum algebra SU_q(2) and rotational spectra of deformed nuclei, J. Phys. G: Nucl. Part. Phys. 16 (1990) L137.
1259. 17. B. Jurco, On coherent states for the simplest quantum groups, LMP 21 (1991) 51.
1260. 18. Dobrev, V.K., LMP 22 (1991) 251.
1261. 19. V. Dobrev, "Representations of quantum groups for roots of 1", In: Proceed. of 14th Johns Hopkins Workshop on Current Problems in Particle theory, Debrecen, August 27-30 1990: Nonperturbative Methods in Low Dimensional Quantum Field Theory, G. Domokos, Z. Horváth, S. Kovesi-Domokos (Eds.), World Scientific, Singapore, 1991, p. 69.
1262. 20. V.K. Dobrev, Introduction to quantum groups, at 22 nd Annual Iranian Math. Conf. Mashad (1991).
1263. 21. F. Falceto, K. Gawedzki, On quantum group symmetries of CFT, IHES/P/91/59; in: Proc. 20 th Int. Conf. Diff. Geom. Meth. in Theor. Phys., New York, June (1991), hep-th/9109023v1.
1264. 22. G. Felder, Ch. Wierczkowski, Topological reps of the quantum group $U_q(sl_2)$, CMP 138 (1991) 583.
1265. 23. J. Fuchs, *Affine Lie Algebras and Quantum Groups*, book, Cambridge Univ. Press (1992).
1266. 24. P. Furlan, Ya. Stanev, I.T. Todorov, Coherent state operators and n-point invariants for UQ(SL(2)), LMP 22 (1991) 307.
1267. 25. C. Gomez, G. Sierra, The quantum symmetry of rational conformal field theories, Nucl.Phys. B352 (1991) 791.
1268. 26. E. Guadagnini, Chern-Simons theory and fusion algebras, PL B260 (1991) 353.
1269. 27. E. Guadagnini, preprint CERN-TH.5825/90., in: Proc. of 14 th John Hopkins Workshop on Current Problems in Particle theory, Debrecen, August 1990, (Eds). G. Domokos, Z. Horvath, S. Kovesi-Domokos, World Scientific, Singapore, (1991).

1270. 28. L. Hadjiivanov, R. Paunov, I. Todorov, Quantum group extended chiral p-models, Nucl. Phys. B 356 (1991) 387.
1271. 29. P. Kulish, Quantum groups and quantum algebras as symmetries of dynamical systems. YITP-K-959, Dec 1991. 24pp. Contribution to Proc. of 2nd Int. Wigner Symposium, Goslar, Germany, Jul 16-20, 1991.
1272. 30. M. Nomura, Concepts of Tensors in $U_q(sl(2))$ and a van der Waerden Method for Quantum Clebsch-Gordan Coefficients, J. Phys. Soc. Japan, 60 (1991) 789.
1273. 31. I.T. Todorov, Extended chiral conformal models with a quantum group symmetry, in Group theoretical methods in physics, Lect. Notes in Phys. 382 (1991) 299.
1274. 32. S. Codriansky, $SU(2)_q$ in a Hilbert space of analytic functions, Int. J. Theor. Phys. 31 (1992) 907.
1275. 33. V. Dobrev, J. Phys. 25A (1992) 149.
1276. 34. G. Felder, Topological representations of quantum groups and CFT, in: Karpacz Winter School, 1992. J. Geom. Phys. 11 (1993) 397.
1277. 35. C. Gomez, G. Sierra, German (Madrid, IFF), A brief history of hidden quantum symmetries in conformal field theories. Jun 1992. 18pp. Presented at 21st Conference on Differential Geometric Methods in Theoretical Physics (XXI DGM), Tianjin, China, 5-9 Jun 1992, hep-th/9211068.
1278. 36. E. Guadagnini, Int.J.Mod.Phys.A7 (1992) 877.
1279. 37. L.K. Hadjiivanov, R.R. Paunov, I.T. Todorov, U_q covariant oscillators and vertex operators, JMP 33 (1992) 1379.
1280. 38. S. Ryang, Vertex operators for $U_q(\mathfrak{su}(2))$ correlation functions, Phys.Rev.D45 (1992) 3873.
1281. 39. Y. Stanev, I.T. Todorov, L.K. Hadjiivanov, Braid invariant rational conformal models with a quantum group symmetry, PL B 276 (1992) 87.
1282. 40. I.T. Todorov, Y.S. Stanev, Chiral current algebras and 2-D conformal models, Troisieme Cycle de la Physique en Suisse Romande, Univ. de Lausanne, 1992.
1283. 41. R. Wehrhanh, Y. Smirnov, The CG coefficients for the two parameter quantum algebra $SU_{p,q}(2)$ in the Loewdin - Shapiro approach, J.Phys. A25 (1992) 5563.
1284. 42. L.K. Hadjiivanov, Y. Stanev, I.T. Todorov, "Quantum symmetry of rational conformal models", in: K. Schmüdgen (Ed.), Proc. of X Congress on Mathematical Physics, Leipzig 1991 (Springer-Verlag, Berlin, 1992. 457-462).
1285. 43. N. Ja. Vilenkin and A. Klimyk, *Representation of Lie groups and special functions: classical and quantum groups and special functions, vol. 3*, book, Klumer Academic Publishers, Dordrecht, 1992.
1286. 44. M. Crivelli, G. Felder, C. Wierczkowski, Generalized hypergeometric-functions on the torus and the adjoint representation of $UQ(SL_2)$ CMP 154: (1) (1993).
1287. 45. F. Falceto, K. Gawedzki, Lattice WZW models and quantum groups, J. Geom. Phys. 11 (1993) 251.
1288. 46. L. Dabrowski, J. Sobczyk, Left regular representation and contraction of $SL(Q)(2)$ to $E(Q)(2)$, LMP 32: (3) 249-258 (1994).
1289. 47. L. Dabrowski, V.K. Dobrev, R. Floreanini, q-difference intertwining operators for a Lorentz quantum algebra, J. Math. Phys. 35 (1994) 971.
1290. 48. V.K. Dobrev, q-difference intertwining operators for $U_q(sl(n))$: General setting and the case $n = 3$, J.Phys. A 27 (1994) 4841, hep-th/9405150.
1291. 49. H. Sazdjian, Y.S. Stanev, I.T. Todorov, SU_3 coherent state operators and invariant correlation functions and their quantum group counterparts, J. Math. Phys. 36 (1995) 2030, hep-th/9409027.
1292. 50. V.K. Dobrev, P. Truini, L.C. Biedenharn, Representation theory approach to the polynomial solutions of q-difference equations: $U_q(sl(3))$ and beyond, JMP 35 (1994) 6058, q-alg/9502001.

1293. **51.** V. Chari and A. Pressley, *A Guide to Quantum Groups*, book, Cambridge Univ. Press, 1994.
1294. **52.** T.H. Baker, Symmetric functions and infinite dimensional algebras, **PhD** thesis (1994), Univ. of Tasmania, Australia.
1295. **53.** P. Budinich, L. Dabrowski, W.F. Heidenreich, On dual, finite lattices, *Nuovo Cimento B* 110: (9) 1035-1056 (1995).
1296. **54.** P. Furlan, L.K. Hadjiivanov, I.T. Todorov, Canonical approach to the quantum WZNW model, IC-95-74 (1995).
1297. **55.** Y.S. Stanev, I.T. Todorov, Monodromy representations of the mapping class group B_n for the $SU(2)$ Knizhnik-Zamolodchikov equation', in *Low-Dimensional Models in Statistical Physics and Quantum Field Theory*, Lect. Notes in Phys. 469 (1996) 201, Vienna preprint ESI 233 (1995).
1298. **56.** C. Gómez, M. Ruiz-Altaba, G. Sierra, *Quantum groups in two-dimensional physics*, book, Cambridge University Press (1996).
1299. **57.** Ch. Wierczkowski, Topological reps of the quantum group $U_q(sl_2)$ in two dimensional conformal field theory, **PhD** thesis, Muenster (1996).
1300. **58.** V.K. Dobrev, P. Truini, Irregular $U_q(sl(3))$ representations at roots of unity via Gel'fand-(Weyl)-Zetlin basis, *J. Math. Phys.* 38: (5) 2631-2651 (1997).
1301. **59.** V.K. Dobrev and P. Truini, Polynomial realization of the $U_q(sl(3))$ Gel'fand-(Weyl)-Zetlin basis and irregular irreps at roots of unity, in the Proc. of the Int. Symp. "Symmetries in Science X" Bregenz, Austria, 1997, ed. B. Gruber and M. Ramek, Plenum Press 1998, p. 79- 119.
1302. **60.** M.K. Patra, A realization of quantum algebras - Some applications, *J. Phys. A Math. Gen.* 30: (4) 1259-1271 (1997).
1303. **61.** J. Balog, L. Feher, L. Palla, The chiral WZNW phase space and its Poisson-Lie groupoid, *Phys.Lett.B*463:83-92 (1999). hep-th/9907050.
1304. **62.** L.K. Hadjiivanov, Y.S. Stanev and I.T. Todorov, Regular basis and R matrices for the $su(N)_k$ Knizhnik-Zamolodchikov equation, *LMP* 54 (2000) 137, hep-th/0007187.
1305. **63.** I.T. Todorov and L. Hadjiivanov, Monodromy representations of the braid group, Plenary talk, presented by I. Todorov at XXIII ICGTMP Dubna, July 31 - August 5, 2000, *Phys.Atom.Nucl.*64:2059-2068,2001, *Yad.Fiz.*64:2149-2158,2001, hep-th/0012099.
1306. **64.** U. N. Iyer, T. C. McCune, Quantum differential operators on $K[x]$, *Int. J. Math.* 13 (2002) 395, math.QA/0010041.
1307. **65.** M. Angelova, V. Dobrev, A. Frank, Revisiting the Quantum Group Symmetry of Diatomic Molecules, *Eur. Phys. J. D*31 (2004) 27-37, cond-mat/0312326.
1308. **66.** P. Furlan, L. Hadjiivanov, I. Todorov, Canonical approach to the WZNW model, arXiv:1410.7228 [hep-th] .

Ref. C6: [2]

1309. **1.** V. Chari and A. Pressley, *A Guide to Quantum Groups*, book, Cambridge Univ.Press, 1994.
1310. **2.** N. Ja. Vilenkin and A. Klimyk, *Representation of Lie groups and special functions: recent advances*, book, Klumer Academic Publishers, Dordrecht, 1995.

Ref. 28: [99]

1311. **1.** J. Balog, L. Dabrowski, L. Feher, "A new quantum deformation of $sl(3)$ ", *Phys. Lett B*257 (1991) 74.
1312. **2.** P. Bouwknegt, J. McCarthy, D. Nemeschansky, K. Pilch, "Vertex operators and fusion rules in the free field realization of WZNW models, *Phys. Lett. B*258 (1991) 127.

1313. 3. P. Bouwknegt, J. McCarthy, K. Pilch, Free field approach to 2-dim CFT, CTP 1884, BRXTH-303, USC-90/13 in: Yukawa Int. Seminar "Common trends in mathematics and QFT" (1990), Prog. Theor. Phys. Suppl. 102 (1990) 67.
1314. 4. V.K. Dobrev, Proc. Int. Symp. Symmetries in Science V: Algebraic structures, their representations, realizations, and physical applications", Schloss Hofen, Vorarlberg, Austria, August (1990).
1315. 5. V.K. Dobrev, Lectures Kyoto , Progr. Theor. Phys. (suppl.) 102 (1990) 137 (Yukawa Int. Seminar "Common trends in mathematics and QFT" (1990).)
1316. 6. J. Fuchs, P. van Driel, WZW fusion rules, quantum groups, and the modular matrix S, NP B346 (1990) 632.
1317. 7. C. Gomez, G. Sierra, "Quantum groups, Riemann surfaces and conformal field theory", in: Proc. of XIX DGM conference, Rapallo, June 1990, Lect.Notes in Phys. 375 , p. 120 (Eds. C. Bartocci et al).
1318. 8. L.K. Hadjiivanov, R.R. Paunov, I.T. Todorov, Nucl.Phys, Extended chiral conformal models with a quantum group symmetry Nucl.Phys. (Proc.Suppl.) 18 B (1990) 637.
1319. 9. P. Mathieu, M.A. Walton, Fractional level Kac-Moody algebras and nonunitarity coset conformal theories, Yukawa Int. Seminar "Common trends in mathematics and QFT", 1990 Kyoto, Prog.Theor.Phys. Suppl. 102 (1990) 229.
1320. 10. C. Ramirez, H. Ruegg, M. Ruiz-Altaba, Explicit quantum symmetries of WZNW theories, PL B247 (1990) 499.
1321. 11. H. Saleur, J.-B. Zuber, Integrable lattice models and quantum groups, preprint Saclay, SPhT/90-071, lectures at ICTP Spring School on String Theory, Trieste (1990).
1322. 12. M.A. Walton, Fusion Rules In Wess-Zumino-Witten Models, NP B340 [FS] (1990) 777.
1323. 13. D. Arnaudon, Periodic and flat irreducible representations of $SU(3)_q$, CMP 134 (1991) 523.
1324. 14. D. Arnaudon, A. Chakrabarti, q-analogue of IU (n) for q a root of unity, PL B255 (1991) 242.
1325. 15. D. Arnaudon, A. Chakrabarti, Periodic and partially periodic representations of $SU(N)_q$, CMP 139 (1991) 461.
1326. 16. J. Balog, L. Dabrowski, L. Feher, Nonstandard quantum group in Toda and WZNW theories, in: Proc. of 14 th John Hopkins Workshop on Current Problems in Particle theory, Debrecen, August 1990, (Eds). G. Domokos, Z. Horvath, S. Kovesi-Domokos , World Scientific, Singapore, (1991) 279.
1327. 17. C.J. Cummings, P. Mathieu and M.A. Walton, Generating functions for WZNW fusion rules, PL B254 (1991) 386.
1328. 18. V.K. Dobrev, Singular vectors of quantum group representations for straight Lie algebra roots, LMP 22 (1991) 251.
1329. 19. V.K. Dobrev, Introduction to quantum groups , Invited lecture at 22 nd Annual Iranian Math. Conf. Mashad (1991).
1330. 20. V. Dobrev, "Representations of quantum groups for roots of 1", In: Proceed. of 14th Johns Hopkins Workshop on Current Problems in Particle theory, Debrecen, August 27-30 1990: Nonperturbative Methods in Low Dimensional Quantum Field Theory, G. Domokos, Z. Horváth, S. Kovesi-Domokos (Eds.), World Scientific, Singapore, 1991, p. 69.
1331. 21. F. Falceto, K. Gawedzki, On quantum group symmetries of CFT, in: Proc. 20 th Int. Conf. Diff. Geom. Meth. in Theor. Phys., New York, June (1991), hep-th/9109023v1.
1332. 22. J. Fuchs, Simple WZW currents, CMP 136 (1991) 345.
1333. 23. J. Fuchs, "Quantum dimensions" Commun.Theor.Phys. (Allahabad) 1 (1991) 59.
1334. 24. J. Fuchs, From tensor products to the modular matrix S and back, Proc. of the 1st Sakharov conf. May 1991.

1335. 25. J. Fuchs, P. van Driel, Fusion rule engineering, LMP 23 (1991) 11.
1336. 26. F. Goodman and T. Nakanishi, Fusion algebras in integrable systems in two dimensions, PL B262 (1991) 259.
1337. 27. E. Guadagnini, Chern-simons theory and fusion algebras, PL B260 (1991) 353.
1338. 28. L.K. Hadjiivanov, R.R. Paunov, I.T. Todorov, Quantum group extended chiral p-models, Nucl.Phys. B356 (1991) 387.
1339. 29. I.G. Koh, S. Ouvry, I.T. Todorov, Chiral partition-functions characterizing rational conformal models, NP B360 (1991) 586.
1340. 30. E.J. Mlawer, S.G. Naculich, H.A. Riggs, H.J. Schnitzer, NP B352 (1991) 863.
1341. 31. C. Ramirez, H. Ruegg, M. Ruiz-Altaba, The contour picture of quantum groups: Conformal field theories, NP B364 (1991) 195.
1342. 32. W. Ruhl, Ann.Phys. 206 (1991) 368.
1343. 33. M. Rosso, Representations of quantum groups, Asterisque (201) 443-483 (1991).
1344. 34. D. Altschuler, A. Coste, Quasi-quantum groups, knots, 3-manifolds, and topological field-theory, CMP 150 (1992) 83.
1345. 35. D. Arnaudon, New fusion rules and R matrices for $SL(N)_q$ at roots of unity, Phys.Lett. B280 (1992) 3, hep-th/9112022.
1346. 36. L. Begin, P. Mathieu, M. Walton, $\hat{su}(3)_k$ fusion coefficients, preprint Laval-PHY-22/92; Mod. Phys. Lett. A7 (1992) 3255.
1347. 37. L. Begin, P. Mathieu, M. Walton, New example of a generating function for WZNW fusion rules, J. Phys. A25 (1992) 135.
1348. 38. V. Dobrev, Singular vectors of representations of quantum groups, J. Phys. 25A (1992) 146.
1349. 39. F. Falceto, K. Gawedzki, Lattice Wess-Zumino-Witten model and quantum groups, J. Geom. Phys. 11 (1993) 251.
1350. 40. J. Fuchs, Quantum symmetries in the algebraic description of WZW theories. (CERN), CERN-TH-6513-92, Jun 1992; Invited talk at Int. Symp. on Advanced Topics in Quantum Physics, Taiyuan, China, Jun 11-16, 1992.
1351. 41. J. Fuchs, *Affine Lie Algebras and Quantum Groups*, Cambridge Univ. Press (1992).
1352. 42. J. Fuchs, Operator algebra from fusion rules (II). Implementing apparent singularities, book, Nucl.Phys. B386 (1992) 343.
1353. 43. N. Ja. Vilenkin and A. Klimyk, *Representation of Lie Groups and Special Functions: Classical and quantum groups and special functions*, v.3, book, Kluwer Academic Publishers, Dordrecht, 1992.
1354. 44. G. Gomez, G. Sierra, A brief history of hidden quantum symmetries in conformal field theories. (Madrid, IFF), Jun 1992. Presented at 21st Conference on Differential Geometric Methods in Theoretical Physics (XXI DGM), Tianjin, China, 5-9 Jun 1992. In *Tianjin 1992, Proceedings, Differential geometric methods in theoretical physics* 66-85.
1355. 45. M. Hayashi, Exact solubility of Chern-Simons theory with compact simple gauge group, Nucl. Phys. B405 (1993) 228.
1356. 46. A.N. Kirillov, P. Mathieu, D. Senechal, M.A. Walton, "Can fusion coefficients be calculated from the deBth rule?", Nucl. Phys. B391 (1993) 651.
1357. 47. G. Mack, V. Schomerus, Nucl.Phys. B370 (1992) 185.
1358. 48. S. Naculich, H.A. Riggs, H.J. Schnitzer, Simple current symmetries, rank level duality, and linear skein relations for Chern-Simons graphs, Nucl. Phys. B394 (1993) 445, hep-th/9205082.

1359. 49. D. Nemeschansky, N.P. Warner, Topological matter, integrable models and fusion rings, Nucl.Phys. B380 (1992) 241.
1360. 50. Y. Stanev, I.T. Todorov, L.K. Hadjiivanov, Phys. Lett. 276 (1992) 87.
1361. 51. T. Tjin, Int. J. Mod. Phys. 7A (1992) 6175.
1362. 52. L. Begin, A.N. Kirillov, P. Mathieu and M.A. Walton, Berenstein-Zelevinsky triangles, elementary couplings, and fusion rules, LMP 28 (1993) 257, hep-th/9301075.
1363. 53. F. Nill, Fusion structures from quantum groups. II. Why truncation is necessary, Lett. Math. Phys. 29 (1993) 83.
1364. 54. S. Dasmahapatra, String hypothesis and characters of coset CFTs, hep-th/9305024.
1365. 55. J. Fuchs, Fusion rules in conformal field theory, Fortschr. Phys. 42 (1994) 1, hep-th/9306162.
1366. 56. E. Cremmer, J. Gervais, J. Roussel, The quantum group structure of 2D gravity and minimal models II: The genus - zero chiral bootstrap, CMP 161 (1994) 597.
1367. 57. M. Hayashi, Algebraic equations determining quantum dimensions, J. Phys. A: Math. Gen. 27 (1994) 2407.
1368. 58. F. Nill, Weyl algebras, Fourier transformations and integrals of finite-dimensional Hopf algebras, Rev. Math. Phys. 6 (1994) 149.
1369. 59. J. Fuchs, The quantum symmetry of rational field theories, in Proc. Alushta Conference, 1993, TMP 98, No3 (1994) 388, hep-th/9312026 TMF 98 (1994) 266.
1370. 60. M.A. Walton, Tensor products and fusion rules, Can. J. Phys. 72: (7-8) 527-536 (1994).
1371. 61. E. Cremmer, J.L. Gervais, J.F. Roussel, The genus-zero bootstrap of chiral vertex operators in Liouville theory, NP B 413 (1994) 244.
1372. 62. M. R. Gaberdiel, An explicit construction of the quantum group in chiral WZW models, CMP 173 (1995) 357, hep-th/9407186.
1373. 63. F. Nill, Fusion structures from quantum groups. 1: Charge conjugation, Markov traces and towers of intertwiner algebras, (Freie U., Berlin) SFB-288-106, Jan 1994. .
1374. 64. A. Kuniba, T. Nakanishi, J. Suzuki, Functional relations in solvable lattice models. 1: Functional relations and representation theory, Int.J.Mod.Phys. A9 (1994) 5215, hep-th/9309137.
1375. 65. T.H. Baker, Symmetric functions and infinite dimensional algebras, **PhD** thesis (1994), Univ. of Tasmania, Australia.
1376. 66. T. Gannon, P. Ruelle and M.A. Walton, Automorphism modular invariants of current algebras, CMP 179 (1996) 121, hep-th/9503141.
1377. **67.** V. Chari and A. Pressley, *A Guide to Quantum Groups*, book, Cambridge Univ. Press, 1994.
1378. 68. B. Abdesselam, D. Arnaudon, A. Chakrabarti, Representations of $U_q(sl(N))$ at Roots of Unity, J. of Phys. A28 (1995) 5495. q-alg/9504006.
1379. 69. H. Sazdian, Y.S. Stanev, I.T. Todorov, SU_3 coherent state operators and invariant correlation functions and their quantum group counterparts,
1380. **70.** C. Gómez, M. Ruiz-Altaba, G. Sierra, *Quantum groups in two-dimensional physics*, book, Cambridge University Press (1996).
1381. 71. J. Fuchs, C. Schweigert, WZW fusion rings in the limit of infinite level, CMP 185 (1997) 641, hep-th/9609124;
1382. 72. D. Arnaudon, Non-integrable representations of the restricted quantum analogue of $sl(3)$, J. Phys. A Math. Gen. 30: (10) 3527-3541 (1997).

1383. 73. M.A. Walton, Demazure characters and affine fusion rules, JMP 39 (1998) 665, hep-th/9612159.
1384. 74. P. Di Francesco, P. Mathieu, D. Senechal, *Conformal Field Theory*, book, Springer, 1997.
1385. 75. J. Rasmussen, 3-point Functions in Conformal Field Theory with Affine Lie Group Symmetry, hep-th/9807153, Int.J.Mod.Phys.A14:1225-1260 (1999).
1386. 76. V.K. Dobrev and P. Truini, Polynomial realization of the $U_q(sl(3))$ Gel'fand-(Weyl)-Zetlin basis and irregular irreps at roots of unity, in the Proc. of the Int. Symp. "Symmetries in Science X" Bregenz, Austria, 1997, ed. B. Gruber and M. Ramek, Plenum Press 1998, p. 79- 119.
1387. 77. J. Balog, L. Feher, L. Palla, The chiral WZNW phase space and its Poisson-Lie groupoid, PL B463 (1999) 83, hep-th/9907050.
1388. 78. Pei-Ming Ho, S. Ramgoolam, R. Tatar, Quantum space-times and finite N effects in 4-d Super Yang-Mills Theories, NP B 573 (2000) 364, hep-th/9907145.
1389. 79. G. Felder, J. Frohlich, J. Fuchs, C. Schweigert, The geometry of WZW branes, J. Geom. Phys. 34: (2) (2000) 162, hep-th/9909030.
1390. 80. M. Walton, Affine Kac-Moody Algebras and the Wess-Zumino-Witten Model, Lecture notes, Istanbul, August 1998, hep-th/9911187.
1391. 81. M. Gaberdiel, An introduction to conformal field theory, Rep. Prog. Phys. 63: (4) 607-667 (2000), hep-th/9910156.
1392. 82. C.J. Efthimiou and D.A. Spector, A collection of exercises in 2-dim physics. Part I, hep-th/0003190.
1393. 83. S.E. Irvine, M.A. Walton, Schubert calculus and threshold polynomials of affine fusion. NP B 584 (2000) 795, hep-th/0004055.
1394. 84. L. Begin, C. Cummins, P. Mathieu, Fusion bases for affine Lie algebras, Talk presented by PM at the 6-th Wigner symposium, Istanbul, 1999 math-ph/0005004.
1395. 85. L. Begin, C. Cummins, P. Mathieu, Generating-function method for fusion rules, J. Math. Phys. 41 (2000) 7640, math-ph/0005002.
1396. 86. J. Balog and L. Feher, The chiral WZNW phase space as a quasi-Poisson space, hep-th/0007045, Phys. Lett. A 277: (2) 107-114 (2000).
1397. 87. L.K. Hadjiivanov, Y.S. Stanev and I.T. Todorov, Regular basis and R matrices for the $su(N)_k$ Knizhnik-Zamolodchikov equation, LMP 54 (2000) 137, hep-th/0007187.
1398. 88. T. Gannon, Modular data: the algebraic combinatorics of conformal field theory, J. of Alg. Combinatorics, 22 , Issue 2 (2005) 211, math.QA/0103044.
1399. 89. M. R. Gaberdiel, An algebraic approach to logarithmic conformal field theory, notes of lectures delivered at the school on Logarithmic Conformal Field Theory and its Applications, IPM Tehran, September 2001, hep-th/0111260.
1400. 90. M.R. Gaberdiel, Fusion rules and logarithmic representations of a WZW model at fractional level, Nucl.Phys. B618 (2001) 407.
1401. 91. T. Quella, Branching rules of semi-simple Lie algebras using affine extensions, J.Phys.A35:3743-3754,2002, math-ph/0111020.
1402. 92. T. Quella, I. Runkel, C. Schweigert, An algorithm for twisted fusion rules, Adv.Theor.Math.Phys.6:197-205,2002, math.QA/0203133.
1403. 93. L. Begin, C. Cummins, P. Mathieu, M.A. Walton, Fusion rules and the Patera-Sharp generating-function method, Contributed to Workshop on Symmetry in Physics in Memory of Robert T. Sharp, Montreal, Quebec, Canada, 12-14 Sep 2002. Published in *Montreal 2002, Symmetry in physics* 141, hep-th/0210182.
1404. 94. T. Quella, Asymmetrically gauged coset theories and symmetry breaking D- branes, **PhD** thesis, 2003.

1405. **95.** A.P. Isaev Quantum groups and Yang-Baxter equations, e-book series Max-Planck Inst. Math. Bonn, Preprint MPIM 04-132(2004) (2004).
1406. **96.** P. Bouwknegt, D. Ridout, Presentations of Wess-Zumino-Witten Fusion Rings, Rev.Math.Phys. 18 (2006) 201, hep-th/0602057.
1407. **97.** A. J. Feingold and S. Fredenhagen, A new perspective on the Frenkel - Zhu fusion rule theorem, J. of Algebra 320, Issue 5, (2008) 2079.
1408. **98.** I. Todorov and L. Hadjiivanov, Quantum Groups and Braid Group Statistics in Conformal Current Algebra Models (2010), book, Editora da Universidade Federal do Espirito Santo, Brazil.
1409. **99** Jean-Bernard Zuber, Robert Coquereaux, On sums of tensor and fusion multiplicities, JPhys. A - Math. and Theor 44 Issue: 29 (2011) art. 295208 , arXiv:1103.2943 [math-ph].

Ref. 29: [8]

1410. **1.** P. Bouwknegt, J. McCarthy, K. Pilch, Free field approach to 2-dim CFT, CTP 1884, BRXTH-303, USC-90/13 in: Yukawa Int. Seminar "Common trends in mathematics and QFT" (1990). Progr. Theor. Phys. (suppl.) 102 (1990) 67
1411. **2.** G. Mack, V. Schomerus, prep. DESY 91-060 (1991).
1412. **3.** C. Ramirez, H. Ruegg, M. Ruiz-Altaba," The contour picture of quantum groups:CFT" , Geneva prep., UGVA-DPT 91-03-701; and in: Proc. of 14 th John Hopkins Workshop on Current Problems in Particle theory, Debrecen, August 1990, (Eds). G. Domokos, Z. Horvath, S. Kovesi-Domokos, World Scientific, Singapore, (1991).
1413. **4.** F. Falceto, K. Gawedzki, On quantum group symmetries of CFT; in: Proc. 20 th Int. Conf. Diff. Geom. Meth. in Theor. Phys., New York, June (1991), hep-th/9109023v1.
1414. **5.** V.K. Dobrev, Introduction to quantum groups , Invited lecture at 22 nd Annual Iranian Math. Conf. Mashad (1991).
1415. **6.** V. Chari and A. Pressley, *A Guide to Quantum Groups*, book, Cambridge Univ. Press, 1994.
1416. **7.** E. Cremmer, J.L. Gervais, J.F. Roussel, The genus-zero bootstrap of chiral vertex operators in Liouville theory, NP B 413: (1-2) 244-277 (1994).
1417. **8.** V.K. Dobrev and P. Truini, Polynomial realization of the $U_q(sl(3))$ Gel'fand-(Weyl)-Zetlin basis and irregular irreps at roots of unity, in the Proc. of the Int. Symp. " Symmetries in Science X" Bregenz, Austria, 1997, ed. B. Gruber and M. Ramek, Plenum Press 1998, p. 79- 119.

Ref. 30: [46]

1418. **1.** M. Bauer, N. Sochen, Phys.Lett. B275 (1992) 82.
1419. **2.** Y. Stanev, I.T. Todorov,L.K. Hadjiivanov, Braid invariant rational conformal models with a quantum group symmetry, PL B 276 (1992) 87.
1420. **3.** Hong-Liang Hu, Ming Yu, On BRST cohomology of $SL(2,R)P/Q-2 / SL(2,R) p/q-2$ gauged WZNW models, Nucl.Phys. B391 (1993) 389-408.
1421. **4.** L.K. Hadjiivanov, Y. Stanev, I.T. Todorov, "Quantum symmetry of rational conformal models", in: K. Schmüdgen (Ed.), Proc. of X Congress on Mathematical Physics, Leipzig 1991 (Springer-Verlag, Berlin, (1992) 457-462.).
1422. **5.** H. Awata, Y. Yamada, in Proceed. of the Workshop on New Aspects of Quantum Field Theories, (INS-T-513), Tokyo, ed. by S. Nojiri, Feb. 1992.
1423. **6.** C. Imbimbo, "New modular representations and fusion algebras from quantized $SL(2, R)$ CS theories", in: L. Bonora et al (Eds.), "Integrable Quantum Field Theories", Proc. of NATO ARW, Como, September 1992 (Plenum Press, NY, 1993), p. 303.

1424. 7. I.T. Todorov, Y.S. Stanev, "Chiral current algebras and 2-D conformal models", Troisieme Cycle de la Physique en Suisse Romande, Univ. de Lausanne, 1992.
1425. 8. M. Bauer, N. Sochen, Fusion and singular vectors in $A_1(1)$ highest weight cyclic modules, CMP 152 (1993) 127.
1426. 9. B. Feigin, F. Malikov, Integral Intertwining Operators and Complex Powers of Differential (q -Difference) Operators, Adv. Sov. Math., 17, 15-63 (1993), [Unconventional Lie Algebras. Ed. by Dmitry Fuchs, AMS., Providence], hep-th/9306137.
1427. 10. K. Iohara, F. Malikov, Rings of skew polynomials and Gel'fand-Kirillov conjecture for quantum groups, CMP 164 (1994) 217-237, hep-th/9306138.
1428. 11. K. Iohara, F. Malikov, Solutions to Knizhnik-Zamolodchikov equations with coefficients in non-bounded modules, Mod. Phys. Lett. A8 (1993) 3613, hep-th/9306139.
1429. 12. C. Imbimbo, Polynomial fusion rings from $SL(2, \mathbb{R})$ Chern-Simons theory, Phys. Lett. B308 (1993)51.
1430. 13. B. Feigin, F. Malikov, Fusion algebra at a rational level and cohomology of nilpotent subalgebras of $\hat{sl}(2)$, hep-th/ 9310004, LMP 31 (1994) 315-326.
1431. 14. Stanev and I. Todorov, Local 4-point functions and the Knizhnik-Zamolodchikov equation, in Mathematical Aspects of Conformal and Topological Field theories and Quantum Groups, Contemp. Math. v. 175 (1994) 249.
1432. 15. J.L. Petersen, J. Rasmussen and M. Yu, Hamiltonian reduction of $sl(2)$ -theories at the level of correlators, hep-th/9506180; Nucl.Phys. B457:343-356,1995.
1433. 16. J.L. Petersen, J. Rasmussen and M. Yu, Conformal blocks for admissible representations of $SL(2)$ current algebra, hep-th/9510059. In *Leuven 1995, Gauge theories, applied supersymmetry, quantum gravity* 319-327.
1434. 17. B. Feigin, F. Malikov, Modular functor and representation theory of $sl(\hat{2})$ at a rational level, q-alg/9511011. In *Operads: Proceedings of Renaissance Conferences*, Cont. Math. 202, p. 357, J.-L. Loday, J.D. Stasheff and A.A. Voronov, eds. (AMS, Providence, Rhode Island 1997).
1435. 18. O. Andreev, Operator algebra of the $SL(2)$ conformal field theory, Phys. Lett. B363 (1995) 166, hep-th/9504082.
1436. 19. J.L. Petersen, J. Rasmussen and M. Yu, Free field realization of $SL(2)$ correlators for admissible representations, and hamiltonian reduction for correlators, talk at the 29th Symposium Ahrenshop on the theory of elementary particles, Buckow, August 29 – September 2, 1995, hep-th/9512175; Nucl.Phys.Proc.Suppl.49:27-34 (1996).
1437. 20. O. Andreev, On 2d gravity coupled to $c \leq 1$ matter in Polyakov light-cone gauge, hep-th/9601026; Phys.Lett.B375:60-64 (1996).
1438. 21. J.L. Petersen, J. Rasmussen and M. Yu, Fusion, Crossing and monodromy in conformal field theory based on $sl(2)$ current algebra with fractional level, Nucl. Phys. B 481 (1996) 577, hep-th/9607129.
1439. 22. J. Rasmussen, Applications of free fields in 2-d current algebra, hep-th/9610167. **PhD** thesis.
1440. 23. J.L. Petersen, J. Rasmussen and M. Yu, Monodromy invariant Green functions in WZNW theories with fractional level, AS-ITP-96, Talk on Conference of the Assia Pasific Center for Theoretical Physics (APCTP), Seoul, Korea, June 1996.
1441. 24. I.P. Ennes, A.V. Ramallo, J.M.S. deSantos, On the free field realization of the $osp(1/2)$ current algebra, PL B 389: (3) 485-493 (1996).
1442. 25. I.P. Ennes, A.V. Ramallo, J.M. Sanchez de Santos, Structure constants for the $osp(1|2)$ current algebra, US-FT-40-96, hep-th/9610224; Nucl.Phys. B491:574-618 (1997).
1443. 26. J.L. Petersen, J. Rasmussen and M. Yu, Free field realisations of 2d current algebras, screening currents and primary fields, NBI-HE-97-12, AS-ITP-97-10, hep-th/9704052. Nucl.Phys. B502:649-670 (1997).

1444. 27. I.P. Ennes, A.V. Ramallo, Fusion rules and singular vectors of the $osp(1|2)$ current algebra, US-FT-12-97, hep-th/9704065. Nucl.Phys. B502:671-712 (1997).
1445. 28. J. Rasmussen, Free field realisations of affine current superalgebras, screening currents and primary fields, NBI-HE-97-15, hep-th/9706091. Nucl.Phys. B510:688-720 (1998).
1446. 29. P. Bowcock, P-L.K. Koktava, A. Taormina, Wakimoto modules for the affine superalgebra $sl(2|1)$ and noncritical $N = 2$ strings, Phys. Lett. B388 (1996) 303.
1447. 30. J. Rasmussen, Screening currents of affine current algebras, q-alg/9711017,
1448. 31. J. Rasmussen, Two-point functions in affine $SL(N)$ current algebra, Mod.Phys.Lett. A13 (1998) 1213; hep-th/9803114.
1449. 32. J. Rasmussen, Two-point functions in affine current algebra and conjugate weights, Mod.Phys.Lett. A13 (1998) 1281; hep-th/9803182.
1450. 33. J. Rasmussen, 3-point Functions in Conformal Field Theory with Affine Lie Group Symmetry, hep-th/9807153.
1451. 34. K. Saraikin, Conformal Blocks and Correlators in WZNW Model. I. Genus Zero, hep-th/9912042.
1452. 35. K. Hosomichi, K. Okuyama and Y. Satoh, Free field approach to string theory on AdS_3 , Nucl.Phys. B598 (2001) 451-466, hep-th/0009107.
1453. 36. A. Stoyanovsky, A relation between the Knizhnik-Zamolodchikov and Belavin-Polyakov-Zamolodchikov systems of partial differential equations, math-ph/0012013.
1454. 37. B. Ponsot, Monodromy of solutions of the Knizhnik-Zamolodchikov equation: $SL(2,C)/SU(2)$ WZNW model, Nucl.Phys. B642 (2002) 114-138, hep-th/0204085.
1455. 38. F. Lesage, P. Mathieu, J. Rasmussen, H. Saleur, The $su(2)_{-1/2}$ WZW model and the beta-gamma system, hep-th/0207201.
1456. 39. Alexander Nichols, $SU(2)(K)$ logarithmic conformal field theories, **PhD** thesis, hep-th/0210070 .
1457. 40. J.L. Petersen, Results on 2d current algebras, in the Proceedings to the Workshops: What comes beyond the Standard Model 2000, 2001, Vol.1, eds. N.M. Borstnik, C.D. Froggatt and D. Lukman, Festschrift dedicated to the 60th birthday of Holger Bech Nielsen, hep-ph/0212221.
1458. 41. A. Nichols, The $SU(2)_0$ WZNW model, Int.J.Mod.Phys. A18:4685-4702, 2003 .
1459. 42. A. Nichols, The origin of multiplets of chiral fields in $SU(2)_k$ WZNW at rational level, J. of Stat. Mech., 0409 (2004) P006, hep-th/0307050.
1460. 43. G. Bertoldi, S. Bolognesi, G. Giribet, M. Matone and Yu. Nakayama, Zamolodchikov relations and Liouville hierarchy in $SL(2, R)_k$ WZNW model, Nucl.Phys.B709:522-549,2005, hep-th/0409227.
1461. 44. J. Rasmussen, Affine Jordan cells, logarithmic correlators, and hamiltonian reduction, Nucl.Phys.B736 (2006) 225, hep-th/0508179.
1462. 45. G. Giribet, L. Nicolas, Comment on three-point function in $AdS(3)/CFT(2)$, JMP 50, 042304 (2009), arXiv:0812.2732 [hep-th].
1463. 46. S.M. Iguri, C.A. Nunez, Coulomb integrals and conformal blocks in the AdS_3 -WZNW model, JHEP 11 (2009) 090, arXiv:0908.3460v2 [hep-th].

Ref. 31: [68]

1464. 1. O. Aharony, O. Ganon, S. Sonnenschein, S. Yankielowicz, N. Soshen, Physical states in G/G models and 2d gravity, Nucl.Phys. B399 (1993) 527.
1465. 2. H. Awata, Y. Yamada, in Proceed. of the Workshop on New Aspects of Quantum Field Theories, (INS-T-513), Tokyo, ed. by S. Nojiri, Feb. 1992.

1466. 3. I.T. Todorov, Y.S. Stanev, "Chiral current algebras and 2-D conformal models", Troisieme Cycle de la Physique en Suisse Romande, Univ. de Lausanne, 1992.
1467. 4. M. Bauer, N. Sochen, Fusion and singular vectors in $A_1(1)$ highest weight cyclic modules, CMP 152 (1993) 127.
1468. 5. B. Feigin, F. Malikov, Integral Intertwining Operators and Complex Powers of Differential (q -Difference) Operators, Adv. Sov. Math., 17, 15-63 (1993), [Unconventional Lie Algebras. Ed. by Dmitry Fuchs, AMS., Providence], hep-th/9306137.
1469. 6. K. Iohara, F. Malikov, Solutions to Knizhnik-Zamolodchikov equations with coefficients in non-bounded modules, Mod. Phys. Lett. A8 (1993) 3613.
1470. 7. B. Feigin, F. Malikov, Fusion algebra at a rational level and cohomology of nilpotent subalgebras of $\hat{sl}(2)$, LMP 31 (1994) 315-326.
1471. 8. A.M. Semikhatov, The MFF Singular Vectors in Topological Conformal Theories, Mod.Phys.Lett.A9 (1994) 1867, hep-th/9311180.
1472. 9. J.L. Petersen, J. Rasmussen and M. Yu, Conformal blocks for admissible representations in $sl(2)$ current algebra, NBI-HE-95-16, hep-th/9504127. Nucl. Phys. B457 (1995) 309
1473. 10. J.L. Petersen, J. Rasmussen and M. Yu, Hamiltonian reduction of $sl(2)$ -theories at the level of correlators, hep-th/9506180; Nucl.Phys. B457:343-356,1995.
1474. 11. J.L. Petersen, J. Rasmussen and M. Yu, Conformal blocks for admissible representations of $SL(2)$ current algebra, In *Leuven 1995, Gauge theories, applied supersymmetry, quantum gravity* 319-327. hep-th/9510059.
1475. 12. B. Feigin, F. Malikov, Modular functor and representation theory of $sl(\hat{2})$ at a rational level, q-alg/9511011. In *Operads: Proceedings of Renaissance Conferences*, Cont. Math. 202, p. 357, J.-L. Loday, J.D. Stasheff and A.A. Voronov, eds. (AMS, Providence, Rhode Island 1997).
1476. 13. A.M. Semikhatov, I.Yu. Tipunin, $sl(2)_4$ S WZW model as an $N = 4$ supersymmetric bosonic string with $c = -2$ matter, hep-th/9512092. Int.J.Mod.Phys.A11:2721-2748 (1996).
1477. 14. O. Andreev, Operator algebra of the $SL(2)$ conformal field theory, Phys. Lett. B363 (1995) 166, hep-th/9504082.
1478. 15. J.L. Petersen, J. Rasmussen and M. Yu, Free field realization of $SL(2)$ correlators for admissible representations, and hamiltonian reduction for correlators, talk at the 29th Symposium Ahrenshop on the theory of elementary particles, Buckow, August 29 – September 2, 1995, hep-th/9512175; Nucl.Phys.Proc.Suppl. 49 (1996) 27.
1479. 16. O. Andreev, On 2d gravity coupled to $c \leq 1$ matter in Polyakov light-cone gauge, hep-th/9601026; Phys.Lett.B375:60-64,1996.
1480. 17. J.L. Petersen, J. Rasmussen and M. Yu, Fusion, Crossing and monodromy in conformal field theory based on $sl(2)$ current algebra with fractional level, Nucl. Phys. B 481 (1996) 577, hep-th/9607129.
1481. 18. J. Rasmussen, Applications of free fields in 2-d current algebra, hep-th/9610167. **PhD** thesis.
1482. 19. J.L. Petersen, J. Rasmussen and M. Yu, Monodromy invariant Green functions in WZNW theories with fractional level, AS-ITP-96, Talk on Conference of the Assia Pasific Center for Theoretical Physics (APCTP), Seoul, Korea, June 1996.
1483. 20. I.P. Ennes, A.V. Ramallo, J.M. Sanchez de Santos, Structure constants for the $osp(1|2)$ current algebra, Nucl.Phys. B491 (1997) 574, hep-th/9610224;
1484. 21. J.L. Petersen, J. Rasmussen and M. Yu, Free field realisations of 2d current algebras, screening currents and primary fields, NBI-HE-97-12, AS-ITP-97-10, Nucl.Phys. B502 (1997) 649; hep-th/9704052.
1485. 22. I.P. Ennes, A.V. Ramallo, Fusion rules and singular vectors of the $osp(1|2)$ current algebra, Nucl.Phys. B502 (1997) 671; hep-th/9704065.

1486. 23. J. Fuchs, Lectures on conformal field theory and Kac-Moody algebras, Lect. Notes Phys. 498 (1997) 1-54, hep-th/9702194.
1487. 24. GMT Watts , W-algebras and their representations, Lectures given at the Eotvos Summer School on CFT and Integrable Models, Lecture Notes in Physics 498 (1997) 55.
1488. 25. J.A. Teschner, On structure constants and fusion rules in the $SL(2, \mathbb{C})/SU(2)$ -WZNW model, hep-th/9712256, NP B 546: (1-2) 390-422 (1999).
1489. 26. J. Rasmussen, Free field realisations of affine current superalgebras, screening currents and primary fields, NBI-HE-97-15, Nucl.Phys. B510 (1998) 688; hep-th/9706091.
1490. 27. J. Rasmussen, Screening currents of affine current algebras, q-alg/9711017 .
1491. 28. J. Rasmussen, Two-point functions in affine $SL(N)$ current algebra, Mod.Phys.Lett. A13 (1998) 1213; hep-th/9803114.
1492. 29. J. Rasmussen, Two-point functions in affine current algebra and conjugate weights, Mod.Phys.Lett. A13 (1998) 1281; hep-th/9803182.
1493. 30. J. Rasmussen, 3-point Functions in Conformal Field Theory with Affine Lie Group Symmetry, hep-th/9807153. Int.J.Mod.Phys.A14:1225-1260 (1999).
1494. 31. K. Saraikin, Conformal Blocks and Correlators in WZNW Model. I. Genus Zero, hep-th/9912042.
1495. 32. G. Giribet and C. Nunez, Aspects of the free field description of string theory on $AdS(3)$, JHEP 0006 (2000) 033, hep-th/0006070.
1496. 33. K. Hosomichi, K. Okuyama and Y. Satoh, Free field approach to string theory on AdS_3 , Nucl.Phys. B598 (2001) 451-466, hep-th/0009107.
1497. 34. A. Stoyanovsky, A relation between the Knizhnik-Zamolodchikov and Belavin-Polyakov-Zamolodchikov systems of partial differential equations, math-ph/0012013.
1498. 35. I.P. Ennes, A.V. Ramallo, J.M.S. deSantos, On the free field realization of the $osp(1/2)$ current algebra, PL B 389: (3) 485-493 (1996).
1499. 36. A. Giveon, D. Kutasov, Notes on AdS_3 , Nucl.Phys. B621 (2002) 303-336, hep-th/0106004.
1500. 37. I.I. Kogan, A. Nichols, $SU(2)_0$ and $OSp(2|2)_{-2}$ WZNW models: Two current algebras, one logarithmic CFT, Int.J.Mod.Phys. A17 (2002) 2615, hep-th/0107160,
1501. 38. G. Giribet, C. Nunez , Correlators in $AdS(3)$ string theory. JHEP 0106:010 (2001), hep-th/0105200.
1502. 39. A. Nichols, Extended chiral algebras in the $SU(2)_0$ WZNW model, JHEP 0204 (2002) 056, hep-th/0112094.
1503. 40. B. Ponsot, Monodromy of solutions of the Knizhnik-Zamolodchikov equation: $SL(2, \mathbb{C})/SU(2)$ WZNW model, Nucl.Phys. B642 (2002) 114-138, hep-th/0204085.
1504. 41. K. Hosomichi, Y. Satoh, Operator product expansion in $SL(2)$ conformal field theory, Mod.Phys.Lett. A17 (2002) 683-693, hep-th/0105283.
1505. 42. A. Nichols, Extended multiplet structure in Logarithmic Conformal Field Theories, JHEP 0301 (2003) 022, hep-th/0205170.
1506. 43. F. Lesage, P. Mathieu, J. Rasmussen, H. Saleur, The $su(2)_{-1/2}$ WZW model and the beta-gamma system, Nucl. Phys. B 647 (3): 363-403 DEC 30 2002, hep-th/0207201.
1507. 44. A. Nichols, $SU(2)(k)$ logarithmic conformal field theories, **PhD** thesis, hep-th/0210070.
1508. 45. J.L. Petersen, Results on 2d current algebras, in the Proceedings to the Workshops: What comes beyond the Standard Model 2000, 2001, Vol.1, eds. N.M. Borstnik, C.D. Froggatt and D. Lukman, Festschrift dedicated to the 60th birthday of Holger Bech Nielsen, hep-ph/0212221.

1509. 46. A. Nichols, The $SU(2)_0$ WZNW model, Prepared for School and Workshop on Logarithmic Conformal Field Theory, Tehran, Iran, 4-18 Sep 2001. Published in Int.J.Mod.Phys.A18:4685-4702,2003.
1510. 47. F. Nitti, M. Porrati, Hidden $sl(2, R)$ symmetry in 2d CFTs and the wave function of 3d quantum gravity, JHEP(1): Art. No. 028 JAN (2004). hep-th/0311069.
1511. 48. A. Nichols, The origin of multiplets of chiral fields in $SU(2)_k$ WZNW at rational level, J. of Stat. Mech., 0409 (2004) P006, hep-th/0307050.
1512. 49. G. Giribet, C. Simeone, Liouville theory and logarithmic solutions to Knizhnik-Zamolodchikov equation, Int. J. of Mod. Phys. A 20 (2005), 4821, hep-th/0402206.
1513. 50. D.M. Hofman, C.A. Nunez, Free field realization of superstring theory on AdS3, JHEP 0407:019 (2004), hep-th/0404214.
1514. 51. G. Giribet, D. Lopez-Fogliani, Remarks on free field realization of $SL(2,R)/U(1) \times U(1)$ WZNW model, JHEP 0406:026 (2004), hep-th/0404231.
1515. 52. G. Bertoldi, G. Giribet, Zamolodchikov operator-valued relations for $SL(2,R)_k$ WZNW model, Nucl.Phys. B701:481-496,2004, hep-th/0405094.
1516. 53. J. Rasmussen, On $SU(2)$ Wess-Zumino-Witten models and stochastic evolutions, hep-th/0409026.
1517. 54. G. Bertoldi, S. Bolognesi, G. Giribet, M. Matone and Yu. Nakayama, Zamolodchikov relations and Liouville hierarchy in $SL(2, R)_k$ WZNW model, Nucl.Phys.B709:522-549,2005, hep-th/0409227.
1518. 55. C. Nunez, String theory on AdS_3 , PoS (Proceedings of Science) (WS2004) 001, Fourth International Winter Conference on Mathematical Methods in Physics 09 - 13 August 2004, Centro Brasileiro de Pesquisas Fisicas (CBPF/MCT), Rio de Janeiro, Brazil.
1519. 56. J. Rasmussen, Affine Jordan cells, logarithmic correlators, and hamiltonian reduction, Nucl. Phys. B 736 (2006), 225, hep-th/0508179.
1520. 57. S. Ribault, J. Teschner, $H(3)_+$ correlators from Liouville theory, JHEP 0506 014 (2005), hep-th/0502048, v3.
1521. 58. AM Semikhatov, Toward logarithmic extensions of $sl(2)_k$ conformal field models, Theor. Math. Phys., 153 (2007) 1597, arXiv:hep-th/0701279.
1522. 59. S. Iguri, C. Nunez, Coulomb integrals for the $SL(2,R)$ WZNW model, Phys. Rev. D 77, 066015 (2008), arXiv:0705.4461.
1523. 60. Wen-Li Yang and Yao-Zhong Zhang, On explicit free field realizations of current algebras, Nucl. Phys. B 800 (2008), 527, arXiv:0806.1996 [hep-th].
1524. 61. Wen-Li Yang and Yao-Zhong Zhang, Free field realization of the $osp(2n|2n)$ current algebra, Phys.Rev.D78 (2008) 106004, arXiv:0806.2477 [hep-th].
1525. 62. Wen-Li Yang, Yao-Zhong Zhang, S. Kault, Differential operator realizations of superalgebras and free field representations of corresponding current algebras, Nucl.Phys. B 823 (2009) 372, arXiv:0810.3719 [hep-th].
1526. 63. G. Giribet, L. Nicolas, Comment on three-point function in $AdS(3)/CFT(2)$, JMP 50, 042304 (2009), arXiv:0812.2732 [hep-th].
1527. 64. I. Todorov and L. Hadjiivanov, Quantum Groups and Braid Group Statistics in Conformal Current Algebra Models (2010), book, Editora da Universidade Federal do Espirito Santo, Brazil.
1528. 65. S.M. Iguri, C.A. Nunez, Coulomb integrals and conformal blocks in the AdS3-WZNW model, JHEP 11 (2009) 090, arXiv:0908.3460 [hep-th].
1529. 66. Wen-Li Yang, Free Field Realizations of the Current Algebras Associated with (Super) Lie Algebras, in Nankai Series in Pure, Applied Mathematics and Theoretical Physics: Volume 9 (2012) 173-198, Proc. of the Int. Conf. "Operads And Universal Algebra", Tianjin, China, 5-9 July 2010.

1530. 67. A. Balasubramanian, The Euler anomaly and scale factors in Liouville/Toda CFTs, JHEP 1404 (2014) 127, arXiv:1310.5033 [hep-th] .
1531. 68. A. Balasubramanian, Four dimensional $N=3$ theories from six dimensions, **PhD thesis** 2014, Univ. of Texas at Austin.
- Ref. 32: [47]**
1532. 1. P. Bowcock, G.M.T. Watts, Null vectors of the W_3 Algebra, Phys.Lett.B297 (1992) 282-288.
1533. 2. C. Imbimbo, "New modular representations and fusion algebras from quantized $SL(2, R)$ CS theories", in: L. Bonora et al (Eds.), "Integrable Quantum Field Theories", Proc. of NATO ARW, Como, Sept 1992 (Plenum Press, NY, 1993), p. 303.
1534. 3. M. Doerrzapf, Singular vectors of the $N = 2$ Superconformal Algebra, Int.J. Mod.Phys. A10 (1995) 2143, hep-th/9403124.
1535. 4. B. Gato-Rivera, A.M. Semikhatov, Singular vectors and topological theories from Virasoro constraints via the Kontsevich-Miwa transform, NP B408 (1993) 133.
1536. 5. C. Imbimbo, Polynomial fusion rings from $SL(2,R)$ Chern-Simons theory, Phys. Lett. B308 (1993)51.
1537. 6. J.L. Petersen, J. Rasmussen and M. Yu, Hamiltonian reduction of $sl(2)$ -theories at the level of correlators, hep-th/9506180; Nucl.Phys. B457:343-356,1995 .
1538. 7. J.L. Petersen, J. Rasmussen and M. Yu, Conformal blocks for admissible representations of $SL(2)$ current algebra, hep-th/9510059. In *Leuven 1995, Gauge theories, applied supersymmetry, quantum gravity* 319-327.
1539. 8. A.M. Semikhatov, I.Yu. Tipunin, Singular vectors of the topological conformal algebra, hep-th/9512079. Int.J.Mod.Phys.A11:4597-4622 (1996).
1540. 9. A.M. Semikhatov, I.Yu. Tipunin, $sl(2)_4$ WZW model as an $N = 4$ supersymmetric bosonic string with $c = -2$ matter, Int.J.Mod.Phys.A11:2721-2748 (1996) hep-th/9512092.
1541. 10. J.L. Petersen, J. Rasmussen and M. Yu, Free field realization of $SL(2)$ correlators for admissible representations, and hamiltonian reduction for correlators, talk at the 29th Symposium Ahrenshop on the theory of elementary particles, Buckow, August 29 – September 2, 1995, hep-th/9512175; Nucl.Phys.Proc.Suppl.49:27-34 (1996).
1542. 11. Y.S. Stanev, I.T. Todorov, Contemporary Math., v. 175 (1994) 249.
1543. 12. A.M. Semikhatov, I.Yu. Tipunin, All singular vectors of the $N = 2$ superconformal algebra via the algebraic continuation method, hep-th/9604175.
1544. 13. V. Dobrev, Kazhdan-Lusztig polynomials, subsingular vectors and conditionally invariant (q-deformed) equations, in the Proceedings of the Int. Symp. "Symmetries in Science IX", (August 1996, Bregenz, Austria), eds. B. Gruber et al, Plenum Press, New York and London (1997) p. 47.
1545. 14. J.L. Petersen, J. Rasmussen and M. Yu, Fusion, Crossing and monodromy in conformal field theory based on $sl(2)$ current algebra with fractional level, hep-th/9607129, Nucl. Phys. B 481 (1996) 577.
1546. 15. J. Rasmussen, Applications of free fields in 2-d current algebra, hep-th/9610167; **PhD thesis**.
1547. 16. J.L. Petersen, J. Rasmussen and M. Yu, Monodromy invariant Green functions in WZNW theories with fractional level, AS-ITP-96, Talk on Conference of the Assia Pasific Center for Theoretical Physics (APCTP), Seoul, Korea, June 1996.
1548. 17. B. Gato-Rivera, J. I. Rosado, Families of singular and subsingular vectors of the topological $N = 2$ superconformal algebra, hep-th/9701041, Nucl.Phys. B514:477-522 (1998).
1549. 18. A.M. Semikhatov, Verma modules, extremal vectors, and singular vectors on the noncritical $N = 2$ string world sheet, HUB-EP-96-52, hep-th/9610084.

1550. 19. J.L. Petersen, J. Rasmussen and M. Yu, Free field realisations of 2d current algebras, screening currents and primary fields, hep-th/9704052, Nucl.Phys. B502:649-670 (1997).
1551. 20. I.P. Ennes, A.V. Ramallo, Fusion rules and singular vectors of the $osp(1|2)$ current algebra, hep-th/9704065, Nucl.Phys. B502:671-712 (1997).
1552. 21. J. Rasmussen, Free field realisations of affine current superalgebras, screening currents and primary fields, hep-th/9706091, Nucl.Phys. B510:688-720,1998.
1553. 22. J. Rasmussen, Screening currents of affine current algebras, q-alg/9711017 .
1554. 23. A.M. Semikhatov, Past the highest weight and what you can find there, q-alg/9712024, In *Zakopane 1997, New developments in quantum field theory* 329-339.
1555. 24. J. Rasmussen, Two-point functions in affine $SL(N)$ current algebra, hep-th/9803114, Mod.Phys.Lett. A13 (1998) 1213.
1556. 25. J. Rasmussen, Two-point functions in affine current algebra and conjugate weights, Mod.Phys.Lett. A13 (1998) 1281, hep-th/9803182.
1557. 26. M. Doerrzapf, Analytic expressions for singular vectors of the $N=2$ superconformal algebra, CMP 180 (1996) 195, hep-th/9601056.
1558. 27. J. Rasmussen, 3-point Functions in Conformal Field Theory with Affine Lie Group Symmetry, hep-th/9807153, Int.J.Mod.Phys.A14:1225-1260 (1999).
1559. 28. A. Yu. Alekseev, A. Recknagel, V. Schomerus, Generalization of the Knizhnik-Zamolodchikov equations. Lett.Math.Phys.41 (1997) 169.
1560. 29. K. Saraikin, Conformal Blocks and Correlators in WZNW Model. I. Genus Zero, hep-th/9912042.
1561. 30. A. Stoyanovsky, A relation between the Knizhnik-Zamolodchikov and Belavin-Polyakov-Zamolodchikov systems of partial differential equations, math-ph/0012013.
1562. 31. V.K. Dobrev and M El Falaki, Quantum group $U-q(A(1))$ singular vectors in Poincare-Birkhoff-Witt basis, LMP 49: (1) 47-57 (1999).
1563. 32. V.K. Dobrev and M El Falaki, Quantum group $U-q(D-1)$ singular vectors in the Poincare-Birkhoff-Witt basis, J. Phys. A Math. Gen. 33: (36) 6321-6332 (2000).
1564. 33. A.M. Semikhatov, Representations of infinite-dimensional algebras and conformal field theory: From $N=2$ to $sl(2/1)$. Theor. Math. Phys. 112 (1997) 949.
1565. 34. A.M. Semikhatov and I.Yu. Tipunin, General construction for topological singular vectors JETP Lett.+ 63: (2) 146-152 (1996).
1566. 35. A.M. Semikhatov, Singular Malikov-Feigin-Fuks vectors in topological theories, JETP Lett.+ 58: (11) 860-869 (1993).
1567. 36. I.I. Kogan, A. Nichols, $SU(2)(0)$ and $osp(2|2)(-2)$ WZNW models: Two current algebras, one logarithmic CFT, Int.J.Mod.Phys. A17 (2002) 2615, hep-th/0107160.
1568. 37. B. Gato-Rivera, Construction Formulae for Singular Vectors of the Topological and of the Ramond $N=2$ Superconformal Algebras, Int.J.Mod.Phys. A17 (2002) 4515, hep-th/0109184.
1569. 38. A. Nichols, Extended chiral algebras in the $SU(2)_0$ WZNW model, JHEP 0204 (2002) 056, hep-th/0112094.
1570. 39. A. Nichols, Extended multiplet structure in Logarithmic Conformal Field Theories, JHEP 0301 (2003) 022, hep-th/0205170.
1571. 40. Alexander Nichols, $SU(2)(k)$ logarithmic conformal field theories, **PhD** thesis, hep-th/0210070.
1572. 41. J.L. Petersen, Results on 2d current algebras, in the Proceedings to the Workshops: What comes beyond the Standard Model 2000, 2001, Vol.1, eds. N.M. Borstnik, C.D. Froggatt and D. Lukman, Festschrift dedicated to the 60th birthday of Holger Bech Nielsen, hep-ph/0212221.

1573. 42. A. Nichols, The $SU(2)_0$ WZNW model, Prepared for School and Workshop on Logarithmic Conformal Field Theory, Tehran, Iran, 4-18 Sep 2001. Published in Int.J.Mod.Phys.A18 (2003) 4685.
1574. 43. G. Bertoldi, S. Bolognesi, G. Giribet, M. Matone and Yu. Nakayama, Zamolodchikov relations and Liouville hierarchy in $SL(2, R)_k$ WZNW model, Nucl.Phys.B709:522-549,2005, hep-th/0409227.
1575. 44. J. Rasmussen, Affine Jordan cells, logarithmic correlators, and hamiltonian reduction, hep-th/0508179.
1576. 45. S. Ribault, J. Teschner, $H(3)+$ correlators from Liouville theory, JHEP 0506 014 (2005), hep-th/0502048, v3.
1577. 46. AM Semikhatov, Toward logarithmic extensions of $sl(2)_k$ conformal field models, Theor. Math. Phys., 153 (2007) 1597, arXiv:hep-th/0701279.
1578. 47. V.K. Dobrev, Representations and characters of the Virasoro algebra and $N=1$ super-Virasoro algebras, (Encyclopedia entry) arXiv:0709.0105 [hep-th].

Ref. C11: [1]

1579. 1. J. Rasmussen, 3-point Functions in Conformal Field Theory with Affine Lie Group Symmetry, hep-th/9807153. Int.J.Mod.Phys.A14:1225-1260 (1999).

Ref. 33: [24]

1580. 1. Z. Bajnok, Null vectors of the WBC_2 algebra, hep-th/9309014, Phys. Lett. B320 (1994) 320.
1581. 2. Z. Bajnok, Singular vectors of the WA_2 algebra, Phys. Lett. B329 (1994) 225, hep-th/9403032.
1582. 3. M. Doerrzapf, Singular vectors of the $N = 2$ Superconformal Algebra, hep-th/9403124, Int.J. Mod.Phys. A10 (1995) 2143.
1583. 4. A.M. Semikhatov, The MFF Singular Vectors in Topological Conformal Theories, hep-th 9311180, Mod.Phys.Lett. A9 (1994) 1867, hep-th/9311180.
1584. 5. A.M. Semikhatov, I.Yu. Tipunin, Singular vectors of the topological conformal algebra, hep-th/9512079, Int.J.Mod.Phys. A11 (1996) 4597.
1585. 6. A.M. Semikhatov, I.Yu. Tipunin, $sl(2)_{-4}$ WZW model as an $N = 4$ supersymmetric bosonic string with $c = -2$ matter, hep-th/9512092, Int. J. Mod. Phys. A11 (1996) 2721.
1586. 7. A.M. Semikhatov, I.Yu. Tipunin, All singular vectors of the $N = 2$ superconformal algebra via the algebraic continuation method, hep-th/9604176.
1587. 8. V. Dobrev, Kazhdan-Lusztig polynomials, subsingular vectors and conditionally invariant (q-deformed) equations, in the Proceedings of the Int. Symp. "Symmetries in Science IX", (August 1996, Bregenz, Austria), eds. B. Gruber et al, Plenum Press, New York and London (1997) p. 47.
1588. 9. M. Dorrzapf, Analytic expressions for singular vectors of the $N=2$ superconformal algebra, CMP 180 (1996) 195 hep-th/9601056.
1589. 10. A.M. Semikhatov, Verma modules, extremal vectors, and singular vectors on the noncritical $N = 2$ string world sheet, HUB-EP-96-52, hep-th/9610084.
1590. 11. B. Gato-Rivera, J. I. Rosado, Families of singular and subsingular vectors of the topological $N = 2$ superconformal algebra, Nucl.Phys. B514 (1998), 477-522, hep-th/9701041.
1591. 12. A.M. Semikhatov and I.Yu. Tipunin, General construction for topological singular vectors, JETP Lett. 63: (2) (1996) 146.
1592. 13. A.M. Semikhatov, Representations of infinite-dimensional algebras and conformal field theory: From $N=2$ to $sl(2/1)$, Theor. Math. Phys. 112: (2) (1997) 949.

1593. 14. J. Fuchs, Lectures on conformal field theory and Kac-Moody algebras, Lect. Notes Phys. 498 (1997) 1-54, hep-th/9702194.
1594. 15. A.M. Semikhatov, Past the highest weight and what you can find there, q-alg/9712024. In *Zakopane 1997, New developments in quantum field theory* 329-339.
1595. 16. V.K. Dobrev VK, M. El Falaki, Quantum group $U_q(A(1))$ singular vectors in Poincare-Birkhoff-Witt basis, LMP 49: (1) 47-57 (1999).
1596. 17. V.K. Dobrev VK, M. El Falaki, Quantum group $U_q(D-1)$ singular vectors in the Poincare-Birkhoff-Witt basis, J. Phys. A Math. Gen. 33: (36) 6321-6332 (2000).
1597. 18. I.I. Kogan, A. Nichols, $SU(2)_0$ and $osp(2|2)(-2)$ WZNW models: Two current algebras, one logarithmic CFT, Int.J.Mod.Phys. A17 (2002) 2615, hep-th/0107160
1598. 19. B. Gato-Rivera, Construction Formulae for Singular Vectors of the Topological and of the Ramond $N=2$ Superconformal Algebras, Int.J.Mod.Phys. A17 (2002) 4515, hep-th/0109184.
1599. 20. A. Nichols, Extended chiral algebras in the $SU(2)_0$ WZNW model, JHEP 0204 (2002) 056, hep-th/0112094.
1600. 21. A. Nichols, Extended multiplet structure in Logarithmic Conformal Field Theories, JHEP 0301 (2003) 022, hep-th/0205170.
1601. 22. A. Nichols, The $SU(2)_0$ WZNW model, Prepared for School and Workshop on Logarithmic Conformal Field Theory, Tehran, Iran, 4-18 Sep 2001. Published in Int.J.Mod.Phys.A18:4685-4702,2003.
1602. 23. AM Semikhatov, Toward logarithmic extensions of $sl(2)_k$ conformal field models, Theor.Math.Phys. 153 (2007) 1597-1642, arXiv:hep-th/0701279.
1603. 24. V.K. Dobrev, Representations and characters of the Virasoro algebra and $N=1$ super-Virasoro algebras, (Encyclopedia entry) arXiv:0709.0105 [hep-th].

Ref. 34: [6]

1604. 1. Z. Bajnok, Null vectors of the WBC_2 algebra, hep-th/9309014, Phys. Lett. B320 (1994) 320.
1605. 2. Z. Bajnok, Singular vectors of the WA_2 algebra, hep-th/9403032, Phys. Lett. B329 (1994) 225.
1606. 3. J. Avan, A. Jevicki, Collective hamiltonians with Kac-Moody algebraic conditions, Nucl. Phys. B439 (1995) 679, hep-th/9410166.
1607. 4. V. Dobrev, Kazhdan-Lusztig polynomials, subsingular vectors and conditionally invariant (q-deformed) equations, in the Proceedings of the Int. Symp. "Symmetries in Science IX", (August 1996, Bregenz, Austria), eds. B. Gruber et al, Plenum Press, New York and London (1997) p. 47.
1608. 5. V.K. Dobrev VK, M. El Falaki, Quantum group $U_q(A(1))$ singular vectors in Poincare-Birkhoff-Witt basis, LMP 49: (1) 47-57 (1999).
1609. 6. V. Dobrev and M. El Falaki, Quantum group $U_q(D_l)$ singular vectors in Poincare-Birkhoff-Witt basis, IC/99/178 J. Phys. A Math. Gen. 33: (36) 6321-6332 (2000).

Ref. 35: [11]

1610. 1. A.M. Semikhatov, I.Yu. Tipunin, Singular vectors of the topological conformal algebra, hep-th/9512079, Int.J.Mod.Phys. A11 (1996) 4597.
1611. 2. V. Dobrev, Kazhdan-Lusztig polynomials, subsingular vectors and conditionally invariant (q-deformed) equations, in the Proceedings of the Int. Symp. "Symmetries in Science IX", (August 1996, Bregenz, Austria), eds. B. Gruber et al, Plenum Press, New York and London (1997) p. 47.
1612. 3. B. Gato-Rivera, J. I. Rosado, Families of singular and subsingular vectors of the topological $N = 2$ superconformal algebra, Nucl.Phys. B514:477-522 (1998), hep-th/9701041.

1613. 4. Z.Bajnok, On the free field realisation of $WBC(N)$ algebras, hep-th/9702183, Phys.Lett.B402:81-86 (1997).
1614. 5. GMT Watts, W -algebras and their representations, Lectures given at the Eotvos Summer School on CFT and Integrable Models, Lecture Notes in Physics 498 (1997) 55.
1615. 6. P. Mathieu and M. Walton, On principal admissible representations and conformal field theory, Nucl. Phys. B 553 (1999) 533, hep-th/9812192.
1616. 7. V.K. Dobrev VK, M. El Falaki, Quantum group $U_q(A(1))$ singular vectors in Poincare-Birkhoff-Witt basis, LMP 49: (1) 47-57 (1999).
1617. 8. V. Dobrev and M. El Falaki, Quantum group $U_q(D_l)$ singular vectors in Poincare-Birkhoff-Witt basis, IC/99/178 J. Phys. A Math. Gen. 33: (36) 6321-6332 (2000).
1618. 9. B. Gato-Rivera, Construction Formulae for Singular Vectors of the Topological and of the Ramond $N=2$ Superconformal Algebras, Int.J.Mod.Phys. A17 (2002) 4515, hep-th/0109184.
1619. 10. N. Wyllard, W -algebras and surface operators in $N=2$ gauge theories. J.Phys. A44:155401 (2011), arXiv:1011.0289 [hep-th].
1620. 11. Th. Creutzig, D. Ridout, Modular Data and Verlinde Formulae for Fractional Level WZW Models II, NPB 875 (2013) 423, arXiv:1306.4388.

Ref. 36: [27]

1621. 1. I.T. Todorov, Arithmetic features of rational conformal field theory, Ann. Inst. Henri Poincare', vol. 63, no.4. (1995) 427.
1622. 2. K.-H. Rehren, Ya. S. Stanev, I.T. Todorov, Characterising invariants for local extensions of current algebras, CMP 174 (1995) 605, hep-th/9409165.
1623. 3. O.Andreev, Operator Algebra of the $SL(2)$ conformal field theories, Phys. Lett. B363 (1995) 166, hep-th/9504082.
1624. 4. G. Pradisi, A. Sagnotti, Ya.S. Stanev, The Open Descendants of Non-Diagonal $SU(2)$ WZW Models, PL B356 (1995) 230, hep-th/9506014 .
1625. 5. J. Fuchs, B. Schellekens, C. Schweigert, Twining characters, orbit Lie algebras and fixed point resolutions, in Proceed. Conf. Razlog 1995, "New trends in quantum field theory", ed. A. Ganchev et al, Heron Press Science Series, (1996) p. 120, q-alg/9511026.
1626. 6. G. Pradisi, A. Sagnotti, Ya.S. Stanev, Completeness conditions for boundary operators in 2d conformal field theory, hep-th/9603097, Phys. Lett. B381 (1996) 97.
1627. 7. H. Kausch, G. Takacs, G. Watts, On the relation between $\Phi_{(1,2)}$ and $\Phi_{(1,5)}$ perturbed minimal models, hep-th/9605104; Nucl. Phys. B489 (1997) 557.
1628. 8. F. Xu, Applications of braided endomorphisms from conformal inclusions, Int Math Res Notices (1) 5-23 (1998).
1629. 9. J. Fuchs, C. Schweigert, Orbifold analysis of broken bulk symmetries, hep-th/9811211, PL B447:266-276 (1999).
1630. 10. A. Recknagel and V. Schomerus, Boundary deformation theory and moduli spaces of D-branes, hep-th/9811237, Nucl.Phys. B545:233-282 (1999).
1631. 11. J. Fuchs, C. Schweigert, Symmetry breaking boundaries II. More structures, examples, hep-th/9908025, NP B 568: (3) 543-593 (2000).
1632. 12. I. Runkel, Structure constants for the D-series Virasoro models, hep-th/9908046, Nucl. Phys. B579 (2000) 561.
1633. 13. A. Rida, T. Sami, Non-chiral fusion rules and structure constants of D_m minimal models, hep-th/9910070.

1634. 14. S. Lienart, P. Ruelle and O. Verhoeven, On discrete symmetries in $su(2)$ and $su(3)$ affine theories and related graphs, Nucl. Phys. B 592: (3) 479-511 (2001), hep-th/0007095.
1635. 15. I. Runkel, Boundary problems in conformal field theory, **PhD** thesis, King's College, 2000.
1636. 16. Ya.S. Stanev, Two dimensional conformal field theory on open and unoriented surfaces, Lectures at the 4th SIGRAV School and 2001 School of Algebraic Geometry and Physics, Como, Italy, May 2001, hep-th/0112222.
1637. 17. A.N. Schellekens, Ya.S. Stanev, Trace formulas for annuli, JHEP 12(2001)012.
1638. 18. V. Schomerus, Lectures on Branes in Curved Backgrounds, Class.Quant.Grav.19 (2002) 5781-5847, hep-th/0209241.
1639. 19. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators III: Simple currents, Nucl.Phys. B694 (2004) 277, hep-th/0403157.
1640. 20. J. Fuchs, I. Runkel, Ch. Schweigert, TFT construction of RCFT correlators IV: structure constants and correlation functions, Nucl.Phys. B 715 (2005) 539, hep-th/0412290.
1641. 21. V. Schomerus, Non-compact string backgrounds and non-rational CFT, Phys. Rep. 431(2006) 39-86, hep-th/0509155.
1642. 22. L. Lepori, G. Zsolt Toth, G. Delfino, Particle spectrum of the 3-state Potts field theory: a numerical study, J. Stat. Mech.-Theory and experiment (2009) P11007, arXiv:0909.2192 [hep-th].
1643. 23. J. Fuchs, I. Runkel, Ch. Schweigert, Twenty-five years of two-dimensional rational conformal field theory, JMP 51, Issue 1, pp. 015210-015210-19 (2010), arXiv:0910.3145 [hep-th].
1644. 24. L. Lepori, QFT emerging models in condensed matter systems, **PhD** thesis, (2010) SISSA.
1645. 25. A. Rapp, P. Schmitteckert, G. Takacs, G. Zarand, Asymptotic scattering and duality in the one-dimensional three-state quantum Potts model on a lattice, New J. Phys. 15 (2013) 013058, arXiv:1112.5164 [cond-mat.stat-mech].
1646. 26. G. Takacs, Finite volume analysis of scattering theory in the scaling Potts model, arXiv:1112.5165 [cond-mat.stat-mech].
1647. 27. M. Lencses, G. Takacs, Excited state TBA and renormalized TCSA in the scaling Potts model, JHEP 09 (2014) 052, arXiv:1405.3157.

Ref. 37: [37]

1648. 1. E. Baver and D. Gepner, Fusion Rules for Extended Current Algebras, preprint WIS-96/6/Jan-PH, hep-th/9601114; Mod. Phys. Lett. A11 (1996) 1929
1649. 2. Feng Xu, Generalised Goodman-Harpe-Jones construction of subfactors, II, CMP 184 (1997) 493 .
1650. 3. Feng Xu, New braided endomorphisms from conformal inclusions, CMP 192 (1998) 349.
1651. 4. P. Di Francesco, P. Mathieu, D. Senechal, *Conformal Field Theory*, book, Springer, 1997.
1652. 5. Feng Xu, Applications of braided endomorphisms from conformal inclusions, Int. Math. Res. Notices (1998) p. 5, q-alg/9708011.
1653. 6. J. Boeckenhauer, D. Evans, Modular invariants, graphs and α -induction for nets of subfactors I, hep-th/9801171, Commun. Math. Phys. 197 (1998) 361.
1654. 7. J. Boeckenhauer, D. Evans, Modular invariants, graphs and α -induction for nets of subfactors II, hep-th/9805023, CMP 200 (1999) 57.
1655. 8. A. Recknagel and V. Schomerus, Boundary deformation theory and moduli spaces of D-branes, hep-th/9811237, Nucl. Phys. B545 (1999) 233.

1656. 9. J. Boeckenhauer, D. Evans, Modular invariants, graphs and α - induction for nets of subfactors III, hep-th/9812110 CMP 205 (1999) 183.
1657. 10. J. Bockenhauer, D. E. Evans, Y. Kawahigashi, Chiral structure of modular invariants for subfactors. CMP 210 (2000) 733, math/9907149.
1658. 11. J. Boeckenhauer, D. E. Evans, Modular Invariants from Subfactors: Type I Coupling Matrices and Intermediate Subfactors, CMP197: (2) 361-386 (1998),math.OA/9911239.
1659. 12. Yu. Ito and I. Nakamura, Hilbert schemes and simple singularities, in **New Trends in Algebraic Geometry**, London Mathematical Society Lecture Note Series (No. 264) (1999), 151-233, Cambridge university press (1999), Eds. K. Hulek, M. Reid, C. Peters, F. Catanese.
1660. 13. C.J. Efthimiou and D.A. Spector, A collection of exercises in 2-dim physics. Part I, hep-th/0003190.
1661. 14. S.E. Irvine and M.A. Walton, Schubert calculus and threshold polynomials of affine fusion, hep-th/0004055, NP B 584: (3) 795-809 (2000).
1662. 15. J. Boeckenhauer, D. E. Evans, Modular invariants from subfactors, in the Proc. of the conf. Quantum Symmetries in Theoretical Physics and Mathematics, San Carlos de Bariloche, Argentina, 10-24 Jan 2000, Contemp. math. 294 (2002) 95-132, math.OA/0006114.
1663. 16. J. Fuchs and C. Schweigert, Solitonic sectors, α induction and symmetry breaking boundaries, Phys.Lett. B490:163-172, 2000, hep-th/0006181.
1664. 17. S. Lienart, P. Ruelle and O.Verhoeven, On discrete symmetries in $su(2)$ and $su(3)$ affine theories and related graphs, Nucl. Phys. B 592: (3) 479-511 (2001), hep-th/0007095.
1665. 18. J. Boeckenhauer, D. E. Evans, Modular invariants and subfactors, Talk at the Mathematical Physics in Mathematics and Physics, math.OA/0008056.
1666. 19. D.E. Evans, From XY to ADE, talk at the National Research Symposium on Geometric Analysis and Applications ANU, Australia, June 2000, in the Proceedings of the Centre for Mathematics and its Applications, vol. 39, (2001) 85, Isaev, Hassell, McIntosh and Sikora, eds. 2001.
1667. 20. T. Gannon, Boundary conformal field theory and fusion ring representations, Nucl.Phys. B627 (2002) 506-564, hep-th/0106105.
1668. 21. M.R. Gaberdiel, T. Gannon, Boundary states for WZW models, Nucl. Phys. B 639 (2002) 471, hep-th/0202067.
1669. 22. D.E. Evans, Fusion rules of modular invariants, Rev. Math. Phys. 14 (2002) 709, math.OA/0204278.
1670. 23. D.E. Evans, Critical Phenomena, modular invariants and operator algebras, math.OA/0204281.
1671. 24. K. Gawedzki, N. Reis, WZW branes and gerbes, Rev. Math. Phys. 14 (12): 1281-1334 DEC 2002, hep-th/0205233.
1672. 25. V. Schomerus, Lectures on Branes in Curved Backgrounds, Class.Quant.Grav.19 (2002) 5781-5847, hep-th/0209241.
1673. 26. N. Sousa, A.N. Schellekens, Orientation matters for NIMreps, Nucl. Phys. B 653 (3) (2003) 339, hep-th/0210014.
1674. 27. G. Schieber, L'Algebre des symetries quantiques d'Océanu et la classification des systemes conformes a 2d, **PhD** thesis, 2004, math-ph/0411077.
1675. 28. D. Hammaoui, G. Schieber, E.H.Tahri Proxy, Higher Coxeter graphs associated to affine $su(3)$ modular invariants, J.Phys.A38:8259,2005, hep-th/0412102.
1676. 29. V. Schomerus, Non-compact string backgrounds and non-rational CFT, Phys. Rep. 431 (2006) 39-86, hep-th/0509155.
1677. 30. H. Ishikawa, T. Tani, Twisted boundary states and representation of generalized fusion algebra, hep-th/0510242.

1678. 31. E. Isasi, Gil Schieber, From modular invariants to graphs: the modular splitting method, J.Phys.A40 (2007) 6513, math-ph/0609064.
1679. 32. E. Isasi Catala, Methode de scission modulaire et symetries quantiques des graphes non-simplement laces en theorie de champs conforme, **PhD** thesis, 2006, Universit de la Mditerrane - Aix-Marseille II.
1680. 33. R. Coquereaux, G. Schieber, From conformal embeddings to quantum symmetries: an exceptional SU(4) example, J.Phys.Conf.Ser.103 (2008) 012006, arXiv:0710.1397 [math-ph].
1681. 34. R. Coquereaux, G. Schieber, Quantum symmetries for exceptional SU(4) modular invariants associated with conformal embeddings, SIGMA 5 (2009) 044, arXiv:0805.4678
1682. 35. D. E. Evans, M. Pugh, Ocneanu Cells and Boltzmann Weights for the SU(3) ADE Graphs, Munster J. Math. 2 (2009), 95, arXiv:0906.4307.
1683. 36. J. Rasmussen, Fusion matrices, generalized Verlinde formulas, and partition functions in WLM(1,p), J.Phys.A43:105201 (2010), Arxiv:0908.2014.
1684. 37. J. Rasmussen, Graph fusion algebras of WLM(p,p'), Nucl.Phys. B830 (2010) 493, arXiv:0911.3229 [hep-th].

Ref. 38: [35]

1685. 1. J. Rasmussen, Applications of free fields in 2-d current algebra, **PhD** thesis, hep-th/9610167.
1686. 2. O. Andreev, Notes on $SL(2)$ conformal field theories. Exact solution and applications, preprint (1996), Talk at 30th Ahrenshoop International Symposium on the Theory of Elementary Particles, Buckow, Germany, Aug 1996; hep-th/9612098. Nucl.Phys.Proc.Suppl.56B:159-163 (1997).
1687. 3. J. Fuchs, C. Schweigert, A representation theoretic approach to the WZW Verlinde formula, hep-th/9707069.
1688. 4. M. Hayes, A. Taormina, Admissible $\hat{sl}(2|1, C)_k$ characters and parafermions, NP B 529: (3) 588-610 (1998).
1689. 5. M. Hayes, Admissible representations and characters of the affine superalgebras $osp(l|2)$ and $\hat{sl}(2|l)$, **PhD** thesis, 1998, Durham Univ.
1690. 6. B.L. Feigin, A.M. Semikhatov, Yu.I. Tipunin, Equivalence between chain categories of representations of affine $sl(2)$ and $N=2$ superconformal algebras, JMP 39 (1998) 3865, hep-th/9701043.
1691. 7. P. Mathieu and M. Walton, On principal admissible representations and conformal field theory, NP B 553 (1999) 533, hep-th/9812192.
1692. 8. G. Giribet and C. Nunez, Aspects of the free field description of string theory on AdS(3), JHEP 0006 (2000) 033, hep-th/0006070.
1693. 9. P. Mathieu, J. Rasmussen and M.A. Walton, Fusion in coset CFT from admissible singular-vector decoupling, Nucl.Phys. B595 (2001) 587-604, hep-th/0007088.
1694. 10. A. Stoyanovsky, A relation between the Knizhnik-Zamolodchikov and Belavin-Polyakov-Zamolodchikov systems of partial differential equations, math-ph/0012013.
1695. 11. M.R. Gaberdiel, Fusion rules and logarithmic representations of a WZW model at fractional level, Nucl.Phys. B618 (2001) 407-436, hep-th/0105046.
1696. 12. G. Johnstone, Fusion Rules for Affine $sl(2|1; C)$ at Fractional Level $k = -1/2$, hep-th/0105321.
1697. 13. A. Giveon, D. Kutasov, Notes on AdS₃, Nucl.Phys. B621 (2002) 303-336, hep-th/0106004
1698. 14. G. Giribet, C. Nunez, Correlators in AdS(3) string theory. JHEP 0106:010 (2001), hep-th/0105200.
1699. 15. M. R. Gaberdiel, An algebraic approach to logarithmic conformal field theory, Notes of lectures delivered at the school on Logarithmic Conformal Field Theory and its Applications, IPM Tehran, September 2001, INT J MOD Phys. A 18 (25): 4593-4638 OCT 10 2003, hep-th/0111260.

1700. 16. B. Ponsot, Monodromy of solutions of the Knizhnik-Zamolodchikov equation: $SL(2,C)/SU(2)$ WZNW model, Nucl.Phys. B642 (2002) 114-138, hep-th/0204085.
1701. 17. K. Hosomichi, Y. Satoh, Operator product expansion in $SL(2)$ conformal field theory, Mod.Phys.Lett. A17 (2002) 683-693, hep-th/0105283.
1702. 18. F. Lesage, P. Mathieu, J. Rasmussen, H. Saleur, The $su(2)_{-1/2}$ WZW model and the beta-gamma system, Nucl. Phys. B 647 (3): 363-403 DEC 30 2002 , hep-th/0207201.
1703. 19. A. Nichols, The origin of multiplets of chiral fields in $SU(2)_k$ WZNW at rational level, J. of Stat. Mech., 0409 (2004) P006, hep-th/0307050.
1704. 20. G. Giribet, C. Simeone, Liouville theory and logarithmic solutions to Knizhnik-Zamolodchikov equation, Int.J.Mod.Phys.A20 (2005) 4821, hep-th/0402206.
1705. 21. D.M. Hofman, C.A. Nunez, Free field realization of superstring theory on AdS_3 , JHEP 0407:019 (2004), hep-th/0404214.
1706. 22. G. Giribet, D. Lopez-Fogliani, Remarks on free field realization of $SL(2,R)/U(1) \times U(1)$ WZNW model, JHEP 0406:026 (2004), hep-th/0404231.
1707. 23. G. Bertoldi, G. Giribet, Zamolodchikov operator-valued relations for $SL(2,R)_k$ WZNW model, Nucl.Phys. B701:481-496,2004, hep-th/0405094.
1708. 24. C. Nunez, String theory on AdS_3 , PoS (Proceedings of Science) (WS2004) 001, Fourth International Winter Conference on Mathematical Methods in Physics 09 - 13 August 2004, Centro Brasileiro de Pesquisas Fisicas (CBPF/MCT), Rio de Janeiro, Brazil.
1709. 25. B. Ponsot, Monodromy of solutions of the Knizhnik-Zamolodchikov equation: $SL(2)(k)$ WZNW model , in proceed. of 6th International Workshop on Conformal Field Theory and Integrable Models, SEP 22, 2002 Chernogolovka, Russia, Int.J.Mod.Phys. A 19 (2004) 336, Suppl. S.
1710. 26. G. Giribet, On spectral flow symmetry and Knizhnik-Zamolodchikov equation, Phys.Lett.B628 (2005) 148, hep-th/0508019.
1711. 27. S. Ribault, J. Teschner, $H(3)_+$ correlators from Liouville theory, JHEP 0506 014 (2005), hep-th/0502048, v3.
1712. 28. C.A. Nunez, String propagation in non-compact backgrounds, PoS (IC2006) 004, Fifth Int. Conf. in Math. Methods in Phys. , SISSA, 2006.
1713. 29. A. Dabholkar, A. Pakman, Exact chiral ring of $AdS(3)/CFT(2)$, Adv. Theor. Math. Phys. 13 (2009), 409, hep-th/0703022 v3.
1714. 30. S. Iguri, C. Nunez, Coulomb integrals for the $SL(2,R)$ WZNW model, Phys. Rev. D 77, 066015 (2008), arXiv:0705.4461.
1715. 31. D. Ridout, $\hat{sl}(2)_{-1/2}$: A Case Study, NP B 814 (2009) 485, arXiv:0810.3532 [hep-th].
1716. 32. S.M. Iguri, C.A. Nunez, Coulomb integrals and conformal blocks in the AdS_3 -WZNW model, JHEP 11 (2009) 090, arXiv:0908.3460 [hep-th]
1717. 33. D. Ridout, $sl(2)_{-1/2}$ and the Triplet Model, Nucl.Phys. B 835 (2010) 314, arXiv:1001.3960 [hep-th].
1718. 34. T. Creutzig, D. Ridout, Modular Data and Verlinde Formulae for Fractional Level WZW Models I, Nucl. Phys. B865 (2012) 83, arXiv:1205.6513 [hep-th].
1719. 35. Th. Creutzig, D. Ridout, Logarithmic Conformal Field Theory: Beyond an Introduction, J. Phys. A 46, Issue 49 (2013) UNSP 494006, arXiv:1303.0847

Ref. C12: [14]

1720. 1. J. Boeckenhauer, D. Evans, Modular invariants, graphs and α - induction for nets of subfactors II, CMP 200 (1999) 57, hep-th/ 9805023.

1721. 2. J. Fuchs, C. Schweigert, Symmetry breaking boundaries II. More structures, examples, hep-th/9908025.
1722. 3. C.J. Efthimiou and D.A. Spector, A collection of exercises in 2-dim physics. Part I, Cornell CLNS 99/1612, hep-th/0003190.
1723. 4. J. Boeckenhauer, D. E. Evans, Modular invariants from subfactors, in the Proc. of the conf. Quantum Symmetries in Theoretical Physics and Mathematics, San Carlos de Bariloche, Argentina, 10-24 Jan 2000, Contemp. math. 294 (2002) 95-132, math.OA/0006114.
1724. 5. J.Boeckenhauer, D. E. Evans, Modular invariants and subfactors, Talk at the Mathematical Physics in Mathematics and Physics, *Siena 2000, Mathematical physics in mathematics and physics* 11-37, math.OA/0008056.
1725. 6. D.E. Evans, From XY to ADE, talk at the National Research Symposium on Geometric Analysis and Applications ANU, Australia, June 2000, in the Proceedings of the Centre for Mathematics and its Applications, vol. 39, (2001) 85, Isaev, Hassell, McIntosh and Sikora, eds. 2001.
1726. 7. D.E. Evans, Fusion rules of modular invariants, Rev.Math.Phys. 14 (2002) 709, math.OA/0204278.
1727. 8. D.E. Evans, Critical Phenomena, modular invariants and operator algebras, Review, math.OA/0204281.
1728. 9. D.E. Evans, P.R. Pinto, Modular invariants and their fusion rules, in Advances in quantum dynamics, Contemp. Math, 335 (2003) 119-130, math.OA/0309175.
1729. 10. G. Schieber, L'Algebre des symetries quantiques d'Oceanu et la classification des systemes conformes a 2d, **PhD** thesis, math-ph/0411077.
1730. 11. E. Isasi, Gil Schieber, From modular invariants to graphs: the modular splitting method, J.Phys.A40:6513-6538,2007, math-ph/0609064.
1731. 12. E. Isasi Catala, Methode de scission modulaire et symetries quantiques des graphes non-simplement laces en theorie de champs conforme, **PhD** thesis, 2006, Universit de la Mditerrane - Aix-Marseille II.
1732. 13. R. Coquereaux, G. Schieber, From conformal embeddings to quantum symmetries: an exceptional SU(4) example, J.Phys.Conf.Ser.103:012006,(2008), arXiv:0710.1397 [math-ph].
1733. 14. R. Coquereaux, G. Schieber, Quantum symmetries for exceptional SU(4) modular invariants associated with conformal embeddings, SIGMA 5 (2009) 044, arXiv:0805.4678.

Ref. 39: [4]

1734. 1. P. Mathieu and M. Walton , On principal admissible representations and conformal field theory, NP B 553 (1999) 533, hep-th/9812192.
1735. 2. P. Mathieu, J. Rasmussen and M.A. Walton, Fusion in coset CFT from admissible singular vector decoupling, Nucl.Phys. B595 (2001) 587-604,hep-th/0007088
1736. 3. G. Johnstone, Fusion Rules for Affine $sl(2|1; C)$ at Fractional Level $k = -1/2$, hep-th/0105321.
1737. 4. Th. Creutzig, D. Ridout, Logarithmic Conformal Field Theory: Beyond an Introduction, J. Phys. A 46, Issue 49 (2013) UNSP 494006, arXiv:1303.0847

Ref. 40: [5]

1738. 1. P. Mathieu and M. Walton, On principal admissible representations and conformal field theory, Nucl.Phys. B553 (1999) 533, hep-th/9812192. NP B 553: (3) 533-558 (1999).
1739. 2. P. Mathieu, J. Rasmussen and M.A. Walton, Fusion in coset CFT from admissible singular vector decoupling, Nucl.Phys. B595 (2001) 587-604, hep-th/0007088.
1740. 3. T. Gannon, Modular data: the algebraic combinatorics of conformal field theory, J. of Alg. Combinatorics, 22 , Issue 2 (2005) 211, math.QA/0103044.
1741. 4. G. Johnstone, Fusion Rules for Affine $sl(2|1; C)$ at Fractional Level $k = -1/2$, hep-th/0105321.

1742. 5. T. Gannon, Moonshine beyond the monster: the bridge connecting algebra, modular forms and physics, book, (2006) Cambridge monographs on mathematical physics.

Ref. 41: [69]

1743. 1. I. Runkel, Boundary structure constants for the A - series Virasoro minimal models, hep-th/9811178, Nucl. Phys. B549 (1999) 563.
1744. 2. J. Fuchs, C. Schweigert, Orbifold analysis of broken bulk symmetries, hep-th/9811211, PL B447:266-276 (1999).
1745. 3. A. Recknagel and V. Schomerus, Boundary deformation theory and moduli spaces of D-branes, hep-th/9811237, Nucl.Phys. B545:233-282 (1999).
1746. 4. T. Gannon, The Cappelli-Itzykson-Zuber A-D-E classification, math.QA/9902064 , Rev. Math. Phys. 12 (2000) 739.
1747. 5. J. Fuchs, C. Schweigert, Symmetry braking boundaries I: general theory, hep-th/9902132, Nucl. Phys. B558 (1999) 419.
1748. 6. P. Ruelle, Symmetric boundary conditions in boundary critical phenomena, hep-th/9904100, J. Phys. A32 (1999) 8831.
1749. 7. M. Henkel, *Conformal invariance and critical phenomena*, book, Springer Berlin, (1999)
1750. 8. S. Govindarajan, T. Jayaraman, T. Sarkar, World sheet approaches to D-branes on supersymmetric cycles, hep-th/9907131, Nucl. Phys. B580 (2000) 519.
1751. 9. J. Fuchs, C. Schweigert, Symmetry braking boundaries II. More structures, examples, hep-th/9908025, Nucl. Phys. B568 (2000) 543.
1752. 10. I. Runkel, Structure constants for the D-series Virasoro models, hep-th/9908046, Nucl. Phys. B579 (2000) 561.
1753. 11. L.R. Huiszoon, A.N. Schellekens, N. Sousa, Klein bottles and simple currents, hep-th/9909114, Phys. Lett. B470 (2000) 95.
1754. 12. L.R. Huiszoon, A.N. Schellekens, N. Sousa, Open Descendants of non-diagonal invariants, hep-th/9911229, Nucl. Phys. B575 (2000) 401.
1755. 13. T. Gannon, The selfmorphisms of affine fusion rings, math.QA/0002044
1756. 14. M.Bianchi, J.F. Morales, Anomalies and tadpoles, hep-th/0002149, JHEP 0003:030 (2000).
1757. 15. C.J. Efthimiou and D.A. Spector, A collection of exercises in 2-dim physics. Part I, hep-th/0003190.
1758. 16. L.R. Huiszoon and A.N. Schellekens, Crosscaps, boundaries and T duality, Nucl. Phys. B584 (2000) 705, hep-th/0004100.
1759. 17. J. Fuchs and C. Schweigert, Solitonic sectors, α induction and symmetry breaking boundaries, Phys.Lett. B490:163-172, 2000, hep-th/0006181.
1760. 18. J. Fuchs, L.R. Huiszoon, A.N. Schellekens, C. Schweigert and J. Walcher, Boundaries, crosscaps and simple currents, Phys.Lett.B495:427-434,2000 , hep-th/0007174
1761. 19. I. Affleck, M. Oshikawa, H. Saleur, Quantum brownian motion on a triangular lattice and $c=2$ boundary conformal field theory, Nucl. Phys. B 594: (3) 535-606 (2001), cond-mat/0009084.
1762. 20. K. Graham, I. Runkel, G.M.T. Watts, Renormalisation group flows of boundary theories, hep-th/0010082, Talk presented by GMTW at the TMR conference "Nonperturbative Quantum Effects 2000"
1763. 21. S. Fredenhagen, V. Schomerus, Branes on Group Manifolds, Gluon Condensates, and twisted K-theory, JHEP 0104:007 (2001), hep-th/0012164.
1764. 22. I. Runkel, Boundary Problems in Conformal Field Theory, **PhD** thesis, King's College, 2000.

1765. 23. K. Graham, I. Runkel, G.M.T Watts, Minimal model boundary flows and $c=1$ CFT, Nucl.Phys. B608:527-556,2001, hep-th/0101187.
1766. 24. K. Matzubara, V. Schomerus, M. Smadback, Open strings in simple current orbifolds, Nucl.Phys. B626:53-72,2002, hep-th/0108126
1767. 25. R. Janik, Exceptional boundary states at $c=1$, Nucl.Phys. B618:675-688,2001, hep-th/0109021.
1768. 26. Ya.S. Stanev, Two dimensional conformal field theory on open and unoriented surfaces, Lectures at the 4th SIGRAV School and 2001 School of Algebraic Geometry and Physics, Como, Italy, May 2001, in *Como 2001, Geometry and physics of branes* 39-85 , hep-th/0112222.
1769. 27. Ph. Ruelle, O. Verhoeven, Non periodic Ishibashi states: the $su(2)$ and $su(3)$ affine theories, Nucl.Phys. B633:345-364,2002, hep-th/0201190. .
1770. 28. S. Kawai, Coulomb-gas approach for boundary conformal field theory, Nucl.Phys. B630:203-221,2002, hep-th/0201146.
1771. 29. A.N. Schellekens, Ya.S. Stanev, Trace formulas for annuli, JHEP 12(2001)012.
1772. 30. T. Quella, V. Schomerus, Symmetry breaking boundary states and defect lines, JHEP 0206:028 (2002), hep-th/0203161.
1773. 31. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators I: Partition functions, Nucl.Phys. B646:353-497,2002, hep-th/0204148.
1774. 32. A.Yu. Alekseev, S. Fredenhagen, T. Quella, V. Schomerus, Non-commutative gauge theory of twisted D-branes, Nucl. Phys. B 646 (1-2): 127-157 (2002), hep-th/0205123.
1775. 33. A. Bredthauer, Boundary states and symplectic fermions, Phys.Lett. B 551 (3-4): 378-386 (2003), hep-th/0207181.
1776. 34. V. Schomerus, Lectures on branes in curved backgrounds, Class.Quant.Grav.19 (2002) 5781-5847, hep-th/0209241.
1777. 35. N. Sousa, A.N. Schellekens, Orientation matters for NIMreps, Nucl.Phys. B653:339-368,2003, hep-th/0210014.
1778. 36. Sh. Kawai, Free-field realisation of boundary states and boundary correlation functions of minimal models, J Phys. A-Math. GEN 36 (24) (2003) 6875, hep-th/0210032.
1779. 37. P. Bouwknegt, P. Dawson, D. Ridout, D-branes on group manifolds and fusion rings, JHEP (12): Art. No. 065 DEC (2002), hep-th/0210302.
1780. 38. D.P.S. Fredenhagen, Dynamics of D-branes in curved backgrounds, **PhD** thesis (Berlin, 2002).
1781. 39. S. Fredenhagen, Organizing boundary RG flows, Nucl. Phys. B 660 (3): 436-472 (2003), hep-th/0301229.
1782. 40. T. Gannon, Comments on nonunitary conformal field theories, Nucl. Phys. B 670 (3) (2003) 335, hep-th/0305070.
1783. 41. S. Govindarajan, J. Majumder, Crosscaps in Gepner models and type IIA orientifolds, JHEP (2): Art. No. 026 FEB (2004), hep-th/0306257.
1784. 42. T.P.T. Dijkstra β , Gato-Rivera, F. Riccioni, A.N. Schellekens, On orientifolds of $c = 1$ orbifolds, Nucl.Phys. B698:450-472,2004, hep-th/0310295.
1785. 43. G. Schieber, L'Algebre des symetries quantiques d'Océanu et la classification des systemes conformes a 2d, **PhD** thesis, math-ph/0411077.
1786. 44. D. Hammaoui, G. Schieber, E.H.Tahri Proxy, Higher Coxeter graphs associated to affine $su(3)$ modular invariants, J.Phys.A38 (2005) 8259, hep-th/0412102.
1787. 45. J. Fuchs, I. Runkel, Ch. Schweigert, TFT construction of RCFT correlators IV: structure constants and correlation functions, Nucl.Phys. B 715 (2005) 539, hep-th/0412290.

1788. 46. J. Fröhlich, J. Fuchs, I. Runkel, C. Schweigert, Picard groups in rational conformal field theory, Invited talk by C.S. at the conference on Non-commutative geometry and representation theory in mathematical physics (Karlstad, Sweden, July 2004). To appear in the proceedings, math/0411507.
1789. 47. V. Schomerus, Non-compact string backgrounds and non-rational CFT, Phys. Rep. 431 (2006) 39-86, hep-th/0509155.
1790. 48. S.G. Naculich, H.J. Schnitzer, Level-rank duality of D-branes on the $SU(N)$ group manifold, Nucl.Phys.B740 (2006) 181, hep-th/0511083.
1791. 49. S. G. Naculich, H.J. Schnitzer, Level-rank duality of untwisted and twisted D-branes, Nucl.Phys. B742 (2006) 295, hep-th/0601175.
1792. 50. S. G. Naculich, H.J. Schnitzer, Twisted D-branes of the $SU(N)_k$ WZW model and level-rank duality, NP B755 (2006) 164, hep-th/0606147.
1793. 51. S. Balaska, T. Sahabi, The boundary states and correlation functions of the tricritical Ising model, Comm. Theor. Phys. 51 (2009) 115, hep-th/0610035.
1794. 52. E. Isasi Catala, Methode de scission modulaire et symetries quantiques des graphes non-simplement laces en theorie de champs conforme, **PhD** thesis, 2006, Universit de la Mditerrane - Aix-Marseille II.
1795. 53. T. Quella, I. Runkel, G. M.T. Watts, Reflection and Transmission for Conformal Defects, JHEP 0704:095 (2007), hep-th/0611296.
1796. 54. S.G. Naculich, B.H. Ripman, Level-rank duality of untwisted and twisted D-branes of the $so(N)_K$ WZW model, NP B787 (2007) 135, arXiv:0706.1957 [hep-th].
1797. 55. T.P.T. Dijkstra, Supersymmetric Standard Model Spectra from RCFT orientifolds, **PhD** thesis, 2007, NIKHEF, Amsterdam.
1798. 56. Gabor Z. Toth, Investigations in Two-Dimensional Quantum Field Theory by the Bootstrap and TCSA Methods, **PhD** thesis, arXiv:0707.0015 [hep-th].
1799. 57. M. A. Rajabpour, Boundary conformal field theories and loop models, J.Phys. A 42 (2009) 345004, arXiv:0808.0100, arXiv:0808.0100.
1800. 58. T. Wydro, J. McCabe, and S. Balaska, Excitation spectrum at the Yang Lee edge singularity of the Ising model with boundaries, in: Symmetry and structural properties of condensed matter, J. of Phys. Conference series 104 (2008) 012036.
1801. 59. S. Monnier, Boundary renormalization group flows in Wess-Zumino-Witten models, **PhD** thesis, 2008, Geneva Univ.
1802. 60. J. Rasmussen, Fusion matrices, generalized Verlinde formulas, and partition functions in WLM(1,p), J.Phys.A43:105201 (2010), Arxiv:0908.2014.
1803. 61. J. Fuchs, I. Runkel, Ch. Schweigert, Twenty-five years of two-dimensional rational conformal field theory, JMP 51, Issue 1, pp. 015210-015210-19 (2010), arXiv:0910.3145 [hep-th].
1804. 62. J. Rasmussen, Graph fusion algebras of WLM(p,p'), Nucl.Phys. B830 (2010) 493, arXiv:0911.3229 [hep-th].
1805. 63. J. Fuchs, Ch. Schweigert, Hopf algebras and finite tensor categories in conformal field theory, Rev.Union Mat.Argentina 51 (2010) 43, arXiv: 1004.3405.
1806. 64. C. Stigner, Factorization constraints and boundary conditions in rational CFT, Banach Center Publ. 93 (2011) 211-223, doi: 10.4064/bc93-0-17, arXiv:1006.5923.
1807. 65. J. Fuchs, Ch. Schweigert, C. Stigner, The classifying algebra for defects, Nucl. Phys. B 843 (2011) 673, arXiv:1007.0401.
1808. 66. S. Balaska and N.S. Bounoua, The Boundary Conformal Field Theories of the 2D Ising critical points J.Phys. Conf. Ser. 411 (2013) 012004, arXiv:1104.1104v2.

1809. 67. J-M Stephan, G. Misguich, V. Pasquier, Rényi entanglement entropies in quantum dimer models : from criticality to topological order, Phys.Rev. B 82 (2010) 125455, arXiv:1108.1699 [cond-mat.stat-mech].
1810. 68. P.-P. Dechant, C. Boehm, R. Twarock, Affine extensions of non-crystallographic Coxeter groups induced by projection, J. Math. Phys. 54, 093508 (2013), arXiv:1110.5228 [math-ph].
1811. 69. V. Romain, Indecomposability in field theory and applications to disordered systems and geometrical problems **PhD** thesis (2013), Universit Pierre et Marie Curie - Paris VI.

Ref. 42: [11]

1812. 1. G. Johnstone, Modular Transformations and Invariants in the Context of Fractional Level Affine $sl(2|1; C)$, Nucl. Phys. 577 (2000) 646, hep-th/9909067.
1813. 2. P. Mathieu, J. Rasmussen and M.A. Walton, Fusion in coset CFT from admissible singular vector decoupling, Nucl.Phys. B595 (2001) 587-604, hep-th/0007088.
1814. 3. M.R. Gaberdiel, Fusion rules and logarithmic representations of a WZW model at fractional level, Nucl.Phys. B618 (2001) 407-436, hep-th/0105046
1815. 4. G. Johnstone, Fusion Rules for Affine $sl(2|1; C)$ at Fractional Level $k = -1/2$, hep-th/0105321.
1816. 5. M. R. Gaberdiel, An algebraic approach to logarithmic conformal field theory, Notes of lectures delivered at the school on Logarithmic Conformal Field Theory and its Applications, IPM Tehran, September 2001, INT J MOD Phys. A 18 (25): 4593-4638 (2003), hep-th/0111260.
1817. 6. K. Hosomichi, Y. Satoh, Operator product expansion in $SL(2)$ conformal field theory, Mod.Phys.Lett. A17 (2002) 683-693, hep-th/0105283.
1818. 7. T. Gannon, Comments on nonunitary conformal field theories, Nucl. Phys. B 670 (3): 335-358 (2003), hep-th/0305070.
1819. 8. O. Perse, Vertex operator algebras associated to type B affine Lie algebras on admissible half-integer levels, Journal of Algebra v. 307, issue 1 (2007) 215, math.QA/0512129, 2005.
1820. 9. O. Perse, Vertex operator algebra analogue of embedding of B_4 into F_4 , Pure Appl. Algebra 211 (2007), 702, math.QA/0701040.
1821. 10. O. Perse, Vertex operator algebras associated to certain admissible modules for affine Lie algebras of type A, Glasnik Matemacki, Vol. 43, No.1 (2008), 4, arXiv: 0707.4129.
1822. 11. C. Kozcaz, S. Pasquetti, F. Passerini, N. Wyllard, Affine $sl(N)$ conformal blocks from $N=2$ $SU(N)$ gauge theories, JHEP 1 (2011) 043, arXiv:1008.1412 [hep-th].

Ref. 43: [227]

1823. 1. I. Runkel, Structure constants for the D-series Virasoro models, hep-th/9908046, Nucl. Phys. B579 (2000) 561.
1824. 2. G. Felder, J. Frohlich, J. Fuchs, C. Schweigert, The geometry of WZW branes, hep-th/9909030, J. Geom. Phys. 34 (2000) 162.
1825. 3. J.A. Harvey, S. Kachru, G. Moore, E. Silverstein, Tension is dimension, hep-th/9909072, JHEP 0003:001 (2000).
1826. 4. P. Dorey, I. Runkel, R. Tateo and G. Watts, g-function flow in perturbed boundary conformal field theories, hep-th/9909216, Nucl. Phys. B578 (2000) 78.
1827. 5. T. Gannon, Integers in the open string, hep-th/9910148.
1828. 6. A. Rajaraman, M. Rozali, D-branes in linear dilaton backgrounds JHEP12(1999)005, hep-th/9909017.

1829. 7. J. Boeckenhauer, D. E. Evans, Modular Invariants from Subfactors: Type I Coupling Matrices and Intermediate Subfactors, math.OA/9911239. CMP 213: (2) 267-289 (2000).
1830. 8. M. Gaberdiel, An introduction to conformal field theory, Rept. Prog. Phys. 63 (2000) 607. hep-th/9910156
1831. 9. G. Felder, J. Frohlich, J. Fuchs, C. Schweigert, Correlation functions and boundary conditions in RCFT and three-dimensional topology, hep-th/9912239.
1832. 10. J. Fuchs, C. Schweigert, Bundles of chiral blocks and boundary conditions in CFT, hep-th/0001005.
1833. 11. M. Naka and M. Nozaki, Boundary states in Gepner models, JHEP, 0005:027 (2000), hep-th/0001037.
1834. 12. A.N. Schellekens, Open strings, simple currents and fixed points, hep-th/0001198
1835. 13. M. Bianchi, J.F. Morales, Anomalies and tadpoles, hep-th/0002149, JHEP (2000) 0003:030
1836. 14. C. Bachas, M. Douglas and C. Schweigert, Flux stabilization of D- branes, hep-th/0003037, JHEP, 0005:048 (2000).
1837. 15. A. Recknagel, D. Roggenkamp and V. Schomerus, On relevant boundary perturbations of unitary minimal models, Nucl.Phys. B588:552-564,2000, hep-th/0003110.
1838. 16. A. Alekseev, A. Recknagel, and V. Schomerus, Brane dynamics in background fluxes and non-commutative geometry, hep-th/0003187, JHEP, 0005:010 (2000).
1839. 17. K. Sugiyama, Comments on central charge of topological sigma model with Calabi-Yau target space, Nucl.Phys. B591:701-737, 2000, hep-th/0003166.
1840. 18. C.J. Efthimiou and D.A. Spector, A collection of exercises in 2-dim physics. Part I, hep-th/0003190
1841. 19. J. Fuchs, C. Schweigert, D-brane conformal field theory and bundles of conformal blocks, math.qa/0004034.
1842. 20. S. Elitzur, A. Giveon, A. Kutasov, E. Rabinovici, G. Sarkissian, D-branes in the background of NS fivebranes, JHEP, 0008:046, (2000), hep-th/0005052.
1843. 21. H. Fuji and Y. Matsuo, Open string on symmetric product, Int.J.Mod.Phys.A16:557-608,2001, hep-th/0005111
1844. 22. J. Boeckenhauer, D. E. Evans, Modular invariants from subfactors, in the Proc. of the conf. Quantum Symmetries in Theoretical Physics and Mathematics, San Carlos de Bariloche, Argentina, 10-24 Jan 2000, Contemp. math. 294 (2002) 95-132, math.OA/0006114.
1845. 23. J. Fuchs and C. Schweigert, Solitonic sectors, α induction and symmetry breaking boundaries, Phys.Lett. B490:163-172, 2000, hep-th/0006181
1846. 24. W. Lerche, C.A. Lutken and C. Schweigert, D- branes on ALE spaces and the ADE classification of conformal fields theories, Nucl.Phys. B622:269-278,2002, hep-th/0006247
1847. 25. O. Pelc, On the quantisation constraints for a D3-brane in the geometry of NS5-branes, hep-th/0007100, JHEP, 0008:30, 2000.
1848. 26. S. Lienart, P. Ruelle and O. Verhoeven, On discrete symmetries in su(2) and su(3) affine theories and related graphs, Nucl.Phys. B592:479-511,2001, hep-th/0007095
1849. 27. J. Fuchs, L.R. Huiszoon, A.N. Schellekens, C. Schweigert and J. Walcher, Boundaries, crosscaps and simple currents, Phys.Lett.B495:427-434,2000, hep-th/0007174.
1850. 28. J. Boeckenhauer, D. E. Evans, Modular invariants and subfactors, Talk at the Mathematical Physics in Mathematics and Physics, math.OA/0008056
1851. 29. I. Brunner, V. Schomerus, On superpotentials for D-branes in Gepner models, JHEP 0010:016,2000, hep-th/0008194
1852. 30. I. Affleck, M. Oshikawa, H. Saleur, Quantum brownian motion on a triangular lattice and $c=2$ boundary conformal field theory, Nucl.Phys. B594:535-606,2001, cond-mat/0009084

1853. 31. B. Feng and Y.-H. He, An observation on finite groups and WZW modular invariants, hep-th/0009077
1854. 32. A.N. Schellekens and N. Sousa, Open descendants of $U(2N)$ orbifolds at rational radii, Int.J.Mod.Phys. A16:3659-3672, 2001, hep-th/0009100
1855. 33. J. Teschner, Remarks on Liouville theory with boundary, hep-th/0009138
1856. 34. A. Recknagel, Branes, boundary CFT and non-commutativity, PRHEP-tmr2000/031:
1857. 35. K. Graham, I. Runkel, G.M.T. Watts, Renormalisation group flows of boundary theories, hep-th/0010082, Talk presented by GMTW at the TMR conference "Nonperturbative Quantum Effects 2000".
1858. 36. J. Fuchs and C. Schweigert, Solitonic sectors, conformal boundary conditions and three-dimensional topological field theory, PRHEP-tmr2000/039, PL B 490: (1-2) 163-172 (2000).
1859. 37. C.I. Lazaroiu, On the structure of open-closed topological field theory in two dimensions, Nucl.Phys. B603:497-530, 2001, hep-th/0010269.
1860. 38. M. Billo', B. Craps, F. Roose, Orbifold boundary states from Cardy's condition, JHEP 0101:038 (2001), hep-th/0011060
1861. 39. T. Eguchi, Y. Sugawara, D-branes in Singular Calabi-Yau n-fold and $N=2$ Liouville Theory, Nucl.Phys. B598:467-491, 2001, hep-th/0011148.
1862. 40. J. Fuchs, C. Schweigert, Lie algebra selfmorphisms in conformal field theory, math.QA/0011160.
1863. 41. K. Sugiyama, S. Yamaguchi D-branes on a noncompact singular Calabi-Yau manifold, JHEP 0102:015 (2001), hep-th/0011091.
1864. 42. S. Fredenhagen, V. Schomerus, Branes on Group Manifolds, Gluon Condensates, and twisted K-theory, JHEP 0104:007 (2001), hep-th/0012164.
1865. 43. C. Bachas, M. Petropoulos, Anti-de-Sitter D-branes, JHEP 0102:025 (2001), hep-th/0012234.
1866. 44. I. Runkel, Boundary problems in conformal field theory, **PhD** thesis, King's College, 2000.
1867. 45. K. Graham, I. Runkel, G.M.T Watts, Minimal model boundary flows and $c=1$ CFT, Nucl.Phys. B608:527-556, 2001, hep-th/0101187.
1868. 46. Y. Hikida, M. Nozaki, Y. Sugawara, Formation of spherical D-2 brane from multiple D0 branes, Nucl.Phys. B617:117-150, 2001, hep-th/0101211
1869. 47. T. Gannon, Modular data: the algebraic combinatorics of conformal field theory, J. of Alg. Combinatorics, 22, Issue 2 (2005) 211, math.QA/0103044.
1870. 48. W. Lerche, P. Mayr, J. Walcher, A new kind of McKay correspondence from non-abelian gauge theories, CERN-TH-2001-075, hep-th/0103114
1871. 49. J. Teschner, Liouville theory revisited, Class.Quant.Grav.18:R153-R222, 2001, hep-th/0104158
1872. 50. J. Maldacena, G. Moore, N. Seiberg, Geometrical interpretation of D-branes in gauged WZW models, JHEP 0107:046 (2001), hep-th/0105038.
1873. 51. Yu. Matsuo, BCFT and sliver state, Phys.Lett.B513:195-199, 2001, hep-th/0105175.
1874. 52. A. Giveon, D. Kutasov, A. Schwimmer, Comments on D-branes in AdS_3 , Nucl.Phys. B615:133-168, 2001, hep-th/0106005.
1875. 53. Yu. Matsuo, Identity Projector and D-brane in String Field Theory, Phys.Lett.B514:407-412, 2001, hep-th/0106027
1876. 54. J. Fuchs, C. Schweigert, Category theory for conformal boundary conditions, in the Proc. of the Fields Institute workshop "Vertex Operator Algebras in Mathematics and Physics", Toronto, Canada, 23-27 October 2000, Fields Institute Communications, 39 (2003) 25-70, math.CT/0106050.
1877. 55. T. Gannon, Boundary Conformal Field Theory and Fusion Ring Representations, Nucl.Phys. B627 (2002) 506-564, hep-th/0106105 .

1878. 56. E. Dudas, J. Mourad, A. Sagnotti, Charged and Uncharged D-branes in various String Theories, Nucl.Phys. B620:109-151,2002, hep-th/0107081
1879. 57. I. Runkel, G. M. T. Watts, A non-rational CFT with $c=1$ as a limit of minimal models, JHEP 0109:006 (2001), hep-th/0107118
1880. 58. M. Gaberdiel, A. Recknagel, G. M. T. Watts, , The conformal boundary states for $SU(2)$ at level 1, Nucl.Phys. B626:344-362,2002, hep-th/0108102.
1881. 59. Y.Hikiqa, Yu. Sugawara, Boundary states of D branes in AdS(3) based on discrete series, hep-th/0107189.
1882. 60. A.N. Schellekens, Ya.S. Stanev, Trace formulas for annuli, JHEP 12(2001)012, hep-th/0108035.
1883. 61. K. Matzubara, V. Schomerus, M. Smadback, Open strings in simple current orbifolds, hep-th/0108126
1884. 62. M.R. Gaberdiel, A. Recknagel, Conformal boundary states for free bosons and fermions, JHEP 0111:016 (2001), hep-th/0108238.
1885. 63. R. Janik, Exceptional boundary states at $c=1$, Nucl.Phys. B618:675-688,2001, hep-th/0109021.
1886. 64. B.Ponsot, J.Teschner, Boundary Liouville Field Theory: Boundary Three Point Function, Nucl.Phys. B622:309-327, 2002, hep-th/0110244
1887. 65. T. Quella, Branching rules of semi-simple Lie algebras using affine extensions, J.Phys.A35:3743-3754,2002, math-ph/0111020.
1888. 66. V. Ostrik, Module categories, weak Hopf algebras and modular invariants, math.QA/0111139.
1889. 67. K. Graham, On perturbations of unitary minimal models by boundary condition changing operators, JHEP 0203:028 (2002), hep-th/0111205.
1890. 68. H. Ishikawa, Boundary states in coset conformal field theories, Nucl.Phys. B629:209-232,2002, hep-th/0111230.
1891. 69. B. Ponsot, V. Schomerus, J. Teschner, Branes in the Euclidean AdS₃, JHEP 0202:016 (2002), hep-th/0112198.
1892. 70. Ya.S. Stanev, Two dimensional conformal field theory on open and unoriented surfaces, Lectures at the 4th SIGRAV School and 2001 School of Algebraic Geometry and Physics, Como, Italy, May 2001, in Geometry and physics of branes, ed. Bruzzo, hep-th/0112222.
1893. 71. D.E. Evans, From XY to ADE, talk at the National Research Symposium on Geometric Analysis and Applications ANU, Australia, June 2000, in the Proceedings of the Centre for Mathematics and its Applications, vol. 39, (2001) 85, Isaev, Hassell, McIntosh and Sikora, eds. 2001.
1894. 72. E. Scheidegger, D branes on Calabi Yau Spaces, **PhD** thesis, Muenchen, 2001.
1895. 73. Ph. Ruelle, O. Verhoeven, Non periodic Ishibashi states: the $su(2)$ and $su(3)$ affine theories, Nucl.Phys. B633 (2002) 345, hep-th/0201190.
1896. 74. A. Cappelli, G. D'Appollonio, Boundary States of $c=1$ and $3/2$ rational conformal field theories, JHEP 0202:039 (2002), hep-th/0201173.
1897. 75. S. Kawai, Coulomb-gas approach for boundary conformal field theory, Nucl.Phys. B630:203-221,2002, hep-th/0201146.
1898. 76. M.R. Gaberdiel, D-branes from conformal field theory, hep-th/0201113.
1899. 77. M.R. Gaberdiel, T. Gannon, Boundary states for WZW models, hep-th/0202067.
1900. 78. Y. Hikida, Orientifolds of $SU(2)/U(1)$ WZW models, hep-th/0201175.
1901. 79. V. Ostrik, Boundary conditions for holomorphic orbifolds, math.QA/0202130.
1902. 80. T. Quella, V. Schomerus, Symmetry breaking boundary states and defect lines, JHEP 0206:028,2002, hep-th/0203161.

1903. 81. B. Ponsot, Monodromy of solutions of the Knizhnik-Zamolodchikov equation: $SL(2,C)/SU(2)$ WZNW model, Nucl.Phys. B642 (2002) 114-138, hep-th/0204085.
1904. 82. C. Angelantonj, A. Sagnotti, Open strings, Phys.Rept.371:1-150,2002, Erratum-ibid.376:339-405,2003, hep-th/0204089.
1905. 83. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators I: Partition functions, Nucl.Phys. B646:353-497,2002, hep-th/0204148.
1906. 84. A. Bredthauer, M. Flohr, Boundary States in $c=-2$ Logarithmic Conformal Field Theory, hep-th/0204154.
1907. 85. S. Kawai, Logarithmic conformal field theory with boundary, Int. J. Mod. Phys. A 18 (25) (2003), 4655, hep-th/0204169.
1908. 86. D.E. Evans, Fusion rules of modular invariants, Rev.Math.Phys. 14 (2002) 709, math.OA/0204278.
1909. 87. D.E. Evans, Critical Phenomena, modular invariants and operator algebras, math.OA/0204281.
1910. 88. A.Yu. Alekseev, S. Fredenhagen, T. Quella, V. Schomerus, Non-commutative gauge theory of twisted D-branes, hep-th/0205123.
1911. 89. K. Gawedzki, N. Reis, WZW branes and gerbes, hep-th/0205233.
1912. 90. H. Ishikawa, T. Tani, Novel construction of boundary states in coset conformal field theories, hep-th/0207177.
1913. 91. A. Bredthauer, Boundary States and Symplectic Fermions, hep-th/0207181.
1914. 92. A. Recknagel, Permutation Branes, JHEP 0304:041 (2003), hep-th/0208119.
1915. 93. I. Brunner, K. Hori, Notes on orientifolds of rational conformal field theories, hep-th/0208141.
1916. 94. T. Quella, On the hierarchy of symmetry breaking D-branes in group manifolds, hep-th/0209157.
1917. 95. V. Schomerus, Lectures on Branes in Curved Backgrounds, Class.Quant.Grav.19 (2002) 5781-5847, hep-th/0209241.
1918. 96. N. Sousa, A.N. Schellekens, Orientation matters for NIMreps, Nucl. Phys. B 653 (3): 339-368 2003, hep-th/0210014.
1919. 97. Sh. Kawai, Free-field realisation of boundary states and boundary correlation functions of minimal models, J Phys. A-Math. GEN 36 (24): 6875-6893 JUN 20 2003, hep-th/0210032.
1920. 98. T. Quella, V. Schomerus. Asymmetric cosets, JHEP 0302 (2003) 030 AEI-2002-091, hep-th/0212119.
1921. 99. Yang-Hui He, On Algebraic Singularities, Finite Graphs and D-Brane Gauge Theories: A String Theoretic Perspective, hep-th/0209230.
1922. 100. D.P.S. Fredenhagen, Dynamics of D-branes in curved backgrounds, **PhD** thesis (Berlin, 2002).
1923. 101. H. Ishikawa, A. Yamaguchi, Twisted boundary states in $c=1$ coset conformal field theories, JHEP 0304 (2003) 026, hep-th/0301040.
1924. 102. M. Yutaka, Comments on Resolution of Nonassociativity in SFT - An Example from Axioms of BCFT, Braz. J. Phys. v.32 n.4 (2002).
1925. 103. Yu. Sugawara, Wilson iine in $SU(2)$ WZW model and spherical D-brane, Prog. of Theor. Phys. Suppl. No.144 (2002) pp. 155.
1926. 104. S. Fredenhagen, Organizing boundary RG flows, Nucl. Phys. B 660 (3): 436-472 JUN 16 2003, hep-th/0301229.
1927. 105. J. Fuchs, I. Runkel, Ch. Schweigert, Boundaries, defects and Frobenius algebras, Fortsch.Phys.51:850-855,2003, Annales Henri Poincare 4:S175-S182,2003, hep-th/0302200.

1928. 106. T. Gannon, Comments on nonunitary conformal field theories, Nucl. Phys. B 670 (3): 335-358 OCT 27 2003, hep-th/0305070.
1929. 107. K. Graham, G.M.T. Watts, Defect lines and boundary flows, JHEP 0404 019 (2004), hep-th/0306167.
1930. 108. S. Govindarajan, J. Majumder, Crosscaps in Gepner models and type IIA orientifolds, JHEP (2): Art. No. 026 FEB (2004), hep-th/0306257.
1931. 109. H. Ishikawa, T. Tani, Twisted boundary states in Kazama-Suzuki models, Nucl. Phys. B 678 (1-2): 363-397 FEB 2 2004, hep-th/0306227.
1932. 110. I.K. Kostov, B. Ponsot, D. Serban, Boundary Liouville theory and 2-d quantum gravity, Nucl. Phys. B 683 (3) (2004) 309, hep-th/0307189.
1933. 111. D.E. Evans, P.R. Pinto, Modular invariants and their fusion rules, in Advances in quantum dynamics, Contemp. Math, 335 (2003) 119-130, math.OA/0309175.
1934. 112. T.P.T. Dijkstra β , Gato-Rivera, F. Riccioni, A.N. Schellekens, On orientifolds of $c = 1$ orbifolds, Nucl.Phys. B698:450-472,2004, hep-th/0310295.
1935. 113. M.R. Gaberdiel, T. Gannon, The charges of a twisted brane, JHEP (1): Art. No. 018 JAN (2004), hep-th/0311242.
1936. 114. A. Cappelli, G. D'Appollonio, M. Zabzine, Landau-Ginzburg Description of Boundary Critical Phenomena in Two Dimensions, JHEP 0401:018 (2004), hep-th/0312296.
1937. 115. V. Ostrik, Module categories over the Drinfeld double of a finite group, Int. Math. Res Notices (27): 1507-1520 2003.
1938. 116. T. Quella, V. Schomerus, Asymmetrically gauged WZNW models, Prepared for 35th International Symposium Ahrenschoop on the theory of Elementary Particles: Recent Developments in String / M Theory and Field Theory, Berlin, Germany, 26-30 Aug 2002, Fortschr Phys. 51 (7-8): 843-849 (2003).
1939. 117. G. Feverati, Exact (D) $-\rightarrow$ (\pm) boundary flow in the tricritical Ising model, JSTAT 0403:P001,2004; hep-th/0312201.
1940. 118. G. D' Appollonio, Boundary states in rational CFT, in Proc. of the NATO Advanced Study Institute, "Progress in String, Field and Particle Theory", 25.6-11.7, 2002, in Cargse, Corsica, France. Eds. L. Baulieu, E. Rabinovici, J. Harvey, B. Pioline and P. Windey, Kluwer Academic Publishers, Dordrecht, The Netherlands, 2003, p. 381.
1941. 119. T. Quella, Asymmetrically gauged coset theories and symmetry breaking D- branes, **PhD** thesis, 2003.
1942. 120. P. Bantay, Permutation orbifolds and their applications, in the Proc. of the Fields Institute workshop "Vertex Operator Algebras in Mathematics and Physics", Toronto, Canada, October 2000, Fields Institute Communications, 39 (2003) 13-23.
1943. 121. A. Recknagel, From branes to boundary conformal field theory: Draft of a dictionary, in the Proc. of the Fields Institute workshop "Vertex Operator Algebras in Mathematics and Physics", Toronto, Canada, October 2000, Fields Institute Communications, 39 (2003) 189 - 225.
1944. 122. I. Kishimoto, Y. Matsuo, Cardy states as idempotents of fusion ring in string field theory, Phys.Lett. B590 (2004) 303, hep-th/0402107.
1945. 123. S. Hemming, S. Kawai, E. Keski-Vakkuri. Coulomb-gas formulation of SU(2) branes and chiral blocks, J.Phys. A38 (2005) 5809, hep-th/0403145.
1946. 124. S. Fredenhagen, D-brane charges on SO(3), JHEP 0411 (2004) 082, hep-th/0404017.
1947. 125. V. Kazakov, I. Kostov, Instantons in Non-Critical strings from the Two-Matrix Model, hep-th/0403152.
1948. 126. R.J. Szabo, Strings, gauge fields and membranes, hep-th/0405289.
1949. 127. R. Longo, Karl-Henning Rehren, Local fields in boundary CFT, Rev.Math.Phys. 16 (2004) 909, math-ph/0405067.

1950. 128. K. Gawedzki, Abelian and non-abelian branes in WZW models and gerbes, *CMP* 258 23 (2005), hep-th/0406072.
1951. 129. I. Kishimoto, Yu. Matsuo, Cardy states, factorization and idempotency in closed string field theory, *Nucl. Phys. B* 707 3 (2005), hep-th/0409069.
1952. 130. G. D'Appollonio, E. Kiritsis, D-branes and BCFT in HPP-wave backgrounds, *Nucl.Phys. B* 712 (2005) 433, hep-th/0410269.
1953. 131. C. Bachas and M. Gaberdiel, Local operators and the Kondo problem, *JHEP* 0411 (2004) 065, hep-th/0411067.
1954. 132. T.P.T. Dijkstra, L.R. Huiszoon, A.N. Schellekens, Supersymmetric standard model spectra from RCFT orientifolds. *Nucl.Phys.B*710:3-57,2005, hep-th/0411129.
1955. 133. G. Schieber, L'Algebre des symetries quantiques d'Oceanu et la classification des systemes conformes a 2d, **PhD** thesis, math-ph/0411077.
1956. 134. D. Hammaoui, G. Schieber, E.H.Tahri Proxy, Higher Coxeter graphs associated to affine su(3) modular invariants, *J.PHYS.A* 38 (2005) 8259, hep-th/0412102.
1957. 135. J. Fuchs, I. Runkel, Ch. Schweigert, TFT construction of RCFT correlators IV: structure constants and correlation functions, *Nucl.Phys. B* 715 (2005) 539, hep-th/0412290.
1958. 136. K. Matsubara, Strings, Conformal Field Theory and Noncommutative Geometry , **PhD** thesis (2004) Uppsala.
1959. 137. M. Smedback, Topics on D-branes and Holography, **PhD** thesis (Uppsala) 2004.
1960. 138. Y. Hikida, R.R. Nayak, K.L. Panigrahi, D-branes in a big bang/big crunch universe: Nappi-Witten gauged WZW model, *JHEP* 0505:018 (2005), hep-th/0503148.
1961. 139. S. Fredenhagen, M.R. Gaberdiel, T. Mettler, Charges of twisted branes: the exceptional cases, *JHEP* 0505:058 (2005), hep-th/0504007.
1962. 140. Ph. Ruelle, Kramers-Wannier dualities via symmetries, *Phys.Rev.Lett.*95:225701,2005, cond-mat/0504758.
1963. 141. N. Sousa, Open descendants at $c = 1$, **PhD** thesis, hep-th/0505090.
1964. 142. A.Basu, E. J.Martinec, Boundary ground ring in minimal string theory, *Phys.Rev.D*72 (2005) 106007, hep-th/0509142.
1965. 143. I. Runkel, Algebra in Braided Tensor Categories and Conformal Field Theory, preprint (part of) Habilitation in the Dept. of Math., Hamburg University, December 2005.
1966. 144. B. Gato-Rivera, A.N. Schellekens, Remarks on global anomalies in RCFT orientifolds, *PL B* 632 728 (2006) hep-th/0510074.
1967. 145. H. Ishikawa, T. Tani, Twisted boundary states and representation of generalized fusion algebra, *Nucl. Phys. B*739:328-388,2006 , hep-th/0510242.
1968. 146. S.G. Naculich, H.J. Schnitzer, Level-rank duality of D-branes on the SU(N) group manifold, *Nucl. Phys. B*740:181-194,2006, hep-th/0511083.
1969. 147. Y. Imamura, H. Isono, Yu. Matsuo., Bondary states in open string channel and CFT near corner, *Prog.Theor.Phys.*115:979-1002,2006, hep-th/0512098.
1970. 148. I. Runkel, J. Fjelstad, J. Fuchs, Ch. Schweigert, Topological and conformal field theory as Frobenius algebras, KCL-MTH-05-15, ZMP-HH-05-23, Dec 2005, To appear in the proceedings of Conference on Categories in Algebra, Geometry and Mathematical Physics in Honor of Ross Street's 60th Birthday (Streetfest), Sydney, Australia, 11-16 Jul 2006, math.CT/0512076.
1971. 149. D. Evans, Modular invariant partion functions in statistical mechanics, conformal field theory and their realisation by subfactors, in: J.-C. Zambrini, ed. XIVth International Congress on Mathematical Physics, 2003, University of Lisbon, Portugal, World Scientific (2005) p. 464.

1972. 150. D. Ridout, D- brane charge groups and fusion rings in Wess-Zumino-Witten models, **PhD** thesis, Univ. of Adelaide (2005).
1973. 151. S. G. Naculich, H.J. Schnitzer, Level-rank duality of untwisted and twisted D-branes, Nucl.Phys.B742 (2006) 295, hep-th/0601175.
1974. 152. V. Gili, Simplicial and modular aspects of string dualities, hep-th/0605053.
1975. 153. S. G. Naculich, H.J. Schnitzer, Twisted D-branes of the $SU(N)_k$ WZW model and level-rank duality, NP B755 (2006) 164, hep-th/0606147.
1976. 154. G. W. Moore, G. Segal, D-branes and K-theory in 2D topological field theory, hep-th/0609042.
1977. 155. M.R. Gaberdiel, T. Gannon, Twisted brane charges for non-simply connected groups. hep-th/0610304.
1978. 156. E. Isasi, Gil Schieber, From modular invariants to graphs: the modular splitting method, J.Phys.A40 (2007) 6513, math-ph/0609064.
1979. 157. Ch. A. Keller, S. Rossi , Boundary states, matrix factorisations and correlation functions for the E-models, JHEP 03 (2007) 038, hep-th/0610175.
1980. 158. S. Balaska, T. Sahabi, The boundary states and correlation functions of the tricritical Ising model from the Coulomb gas formalism, Comm. Theor. Phys. 51 (2009) 115, hep-th/0610035.
1981. 159. P. Beliaevsky, Ch. Jego, J. Troost, Open strings in Lie groups and associative products, Nucl. Phys. B 782 (2007) 94, hep-th/0610329.
1982. 160. V. Chilla, Combinatorics of transformations from standard to non-standard bases in Brauer algebras, J. of Phys. A: Math. and Theor. 40 (20) (2007) art. no. 010, pp. 5395, arXiv:math-ph/0610077.
1983. 161. T. Quella, I. Runkel, G. M.T. Watts, Reflection and Transmission for Conformal Defects, JHEP 0704:095 (2007), hep-th/0611296.
1984. 162. E. Isasi Catala, Methode de scission modulaire et symetries quantiques des graphes non-simplement laces en theorie de champs conforme, **PhD** thesis, 2006, Universit de la Mditerrane - Aix-Marseille II.
1985. 163. H. Eberle, Conformal Field Theory Between Supersymmetry and Indecomposable Structures, **Dr. rer. nat.** dissertation, 2006, Bonn University.
1986. **164.** T. Gannon, Moonshine beyond the monster: the bridge connecting algebra, modular forms and physics, book, (2006) Cambridge monographs on mathematical physics.
1987. 165. Zheng Yin, Conformal invariance on orbifolds and excitations of singularity, Mod.Phys.Lett. A 24 (26) (2009) 2089, hep-th/0701056.
1988. 166. M. Carfora, C. Dappiaggi, V. L. Gili, From random Regge triangulations to open strings, to appear in the proceedings of 17th SIGRAV Conference, Turin, Italy, 4-7 Sep 2006, hep-th/0702114.
1989. 167. A. Alekseev, S. Monnier, Quantization of Wilson loops in Wess-Zumino-Witten models, JHEP 0708:039 (2007), hep-th/0702174.
1990. 168. Yu Nakayama, Black hole - string transition and rolling D-brane, **PhD** thesis, hep-th/0702221.
1991. 169. M. Carfora, C. Dappiaggi, V. L. Gili, Boundary Conformal Field Theory and Ribbon Graphs: a tool for open/closed string dualities, JHEP 0707:021 (2007), arXiv:0705.2331.
1992. 170. S.G. Naculich, B.H. Ripman, Level-rank duality of untwisted and twisted D-branes of the $so(N)_K$ WZW model, NP B787 (2007) 135, arXiv:0706.1957 [hep-th].
1993. 171. J. Ambjorn, J.A. Gesser, World-sheet dynamics of ZZ branes, Phys. Lett. B 653 (2007), 439, arXiv: 0706.3231 [hep-th].
1994. 172. H. Irie, Notes on D-branes and dualities in (p,q) minimal superstring theory, Nucl.Phys.B794:402-428,2008, arXiv:0706.4471 [hep-th].

1995. 173. T.P.T. Dijkstra, Supersymmetric Standard Model Spectra from RCFT orientifolds, **PhD** thesis, 2007, NIKHEF, Amsterdam.
1996. 174. D. Blakeley, A. Recknagel, Symmetry-breaking boundary states for WZW models, Nucl. Phys. B 806 (2009) 636, arXiv: 0705.1068.
1997. 175. S. Ribault, Boundary three-point function on AdS2 D-branes, JHEP 01 (2008) 004, arXiv:0708.3028 [hep-th].
1998. 176. Gabor Z. Toth, Investigations in Two-Dimensional Quantum Field Theory by the Bootstrap and TCSA Methods, **PhD** thesis, arXiv:0707.0015 [hep-th].
1999. 177. J. Ambjorn, J. A. Gesser, ZZ branes from a worldsheet perspective, Acta Phys.Polon.B38:3993-4008,2007, arXiv:0709.3106 [hep-th].
2000. 178. V.L. Gili, M. Carfora, C. Dappiaggi, BCFT and Ribbon Graphs as tools for open/closed string dualities, To appear in the proceedings of 7th International Workshop Lie Theory and Its Applications in Physics (LT-7), Varna, Bulgaria, 18-24 Jun 2007, arXiv:0710.5899 [hep-th].
2001. 179. A.M. Gainutdinov, I.Yu. Tipunin, Radford, Drinfeld, and Cardy boundary states in (1,p) logarithmic conformal field models, J.Phys.A42 (2009) 315207, arXiv:0711.3430 [hep-th].
2002. 180. Ch. Jegu, Non-rational conformal field theories and applications in string theories, **PhD** thesis, CPHT, Ecole Polytechnique, 2007.
2003. 181. S. Monnier, Kondo flow invariants, twisted K-theory and Ramond-Ramond charges, JHEP06(2008)022, arXiv:0803.1565 [hep-th].
2004. 182. J. Rasmussen, W-Extended Logarithmic Minimal Models, arXiv:0805.2991 [hep-th].
2005. 183. M. A. Rajabpour, Loop models for CFTs, J.Phys. A 41 (2008) 405001, arXiv:0806.4520.
2006. 184. M. A. Rajabpour, Boundary conformal field theories and loop models, J.Phys. A 42 (2009) 345004, arXiv:0808.0100.
2007. 185. D. Gang, S. Yamaguchi, Superconformal defects in the tricritical Ising model, JHEP12(2008)076, arXiv:0809.0175 [hep-th].
2008. 186. J.G. Brankov, S.Y. Grigorev, V.B. Priezzhev, I.Y. Tipunin, Two-dimensional spanning webs as (1,2) logarithmic minimal model, J.Stat.Mech.0811:P11017,2008, arXiv:0810.2231.
2009. 187. E. Kiritsis, M. Lennek, B. Schellekens, Free Fermion Orientifolds, JHEP02(2009)030, arXiv:0811.0515 [hep-th].
2010. 188. S. Monnier, Boundary renormalization group flows in Wess-Zumino-Witten models, **PhD** thesis, 2008, Geneva Univ.
2011. 189. G. Sarkissian, Defects and Permutation branes in the Liouville field theory, Nucl.Phys.B821:607-625 (2009), arXiv:0903.4422 [hep-th].
2012. 190. M.R. Gaberdiel, I. Runkel, S. Wood, Fusion rules and boundary conditions in the $c=0$ triplet model, J.Phys. A42 325403 (2009), arXiv:0905.0916 [hep-th].
2013. 191. D.E. Evans, M. Pugh, A2-Planar Algebras I, Quantum Topol.1 (2010) 321-377, arXiv:0906.4225.
2014. 192. D.E. Evans, M. Pugh, SU(3)-Goodman-de la Harpe-Jones subfactors and the realisation of SU(3) modular invariants, Rev. Math. Phys. 21 (2009), 877, arXiv:0906.4252.
2015. 193. D.E. Evans, M. Pugh, A2-Planar Algebras II: Planar Modules, J. of Funct. Anal. 261 (2011) 1923, arXiv:0906.4311.
2016. 194. D.E. Evans, M. Pugh, Spectral Measures and Generating Series for Nimrep Graphs in Subfactor Theory, CMP 295 (2010) 363, arXiv:0906.4314.
2017. 195. J. Fuchs, C. Schweigert, C. Stigner, The three-dimensional origin of the classifying algebra, C. Stigner, Nucl.Phys. B824 (2010) 333, arXiv:0907.0685 [hep-th].

2018. 196. J. Rasmussen, Fusion matrices, generalized Verlinde formulas, and partition functions in $WLM(1,p)$, *J.Phys.A*43:105201,2010, Arxiv:0908.2014.
2019. 197. S.J. Wood, Logarithmic conformal field theory at $c = 0$, **PhD** thesis, Zurich (2010).
2020. 198. J. Fuchs, I. Runkel, Ch. Schweigert, Twenty-five years of two-dimensional rational conformal field theory, *JMP* 51, Issue 1, pp. 015210-015210-19 (2010), arXiv:0910.3145 [hep-th].
2021. 199. J. Rasmussen,, Graph fusion algebras of $WLM(p,p')$, *Nucl.Phys. B*830 (2010) 493, arXiv:0911.3229 [hep-th].
2022. 200. C. Schmidt-Colinet, Perturbed conformal field theories with boundary, **PhD** thesis (2009), ETH, Zurich.
2023. 201. S. Rossi, Boundaries and defects in topological Landau-Ginsburg models, **PhD** thesis, (2009), Zurich.
2024. 202. D.E. Evans, M. Pugh, Spectral Measures and Generating Series for Nimrep Graphs in Subfactor Theory II: $SU(3)$ case, *CMP* 301 (2011) 771, arXiv:1002. 2348.
2025. 203. N. Drukker, D. Gaiotto, J. Gomis, The Virtue of Defects in 4D Gauge Theories and 2D CFTs, *JHEP* 06 (2011) 025, arXiv:1003.1112 [hep-th].
2026. 204. N.Sh. Izmailian, Finite-size corrections in the Ising model with special boundary conditions, *NP B*839 (2010) 446.
2027. 205. J. Fuchs, Ch. Schweigert, C. Stigner, The classifying algebra for defects, *Nucl. Phys. B* 843 (2011) 673, arXiv:1007.0401.
2028. 206. D. E. Evans, M. Pugh, The Nakayama Automorphism of the almost Calabi-Yau algebras associated to $SU(3)$ modular invariants, *CMP* 312 (2011) 179, arXiv:1008.1003 [math.OA].
2029. 207. D. Evans and T. Gannon, The search for the exotic - subfactors and conformal field theories, Talk at the 8th Congress of the ISAAC, Moscow (2011).
2030. 208. J. A. Gesser, Non-Compact Geometries in 2D Euclidean Quantum Gravity, **PhD** thesis, arXiv:1010.5006 [hep-th].
2031. 209. S. Balaska and N.S. Bounoua, The Boundary Conformal Field Theories of the 2D Ising critical points, XXth International Conference on Integrable Systems and Quantum Symmetries (ISQS-20). Prague, June 2012, *J.Phys. Conf. Ser.* 411 (2013) 012004 , arXiv:1104.1104v2
2032. 210. Ph. Giokas, Mean field theory for boundary Ising and tricritical Ising models, arXiv:1106.1843 [cond-mat.stat-mech].
2033. 211. G. Watts, Moduli space coordinates and excited state g-functions, *JHEP* 02 (2012) 059 , arXiv:1107.0236 [hep-th].
2034. 212. G. Sarkissian, Some remarks on D-branes and defects in Liouville and Toda field theories, *Int. J. of Mod. Phys. A*, Vol. 27, (2012), 1250181, arXiv:1108.0242 [hep-th].
2035. 213. D. E. Evans, M. Pugh, Braided Subfactors, Modular invariants, Spectral Measures, Planar algebras and Calabi-Yau algebras associated to $SU(3)$ modular invariants, arXiv:1110.4547 [math.OA].
2036. 214. P.-P. Dechant, C. Boehm, R. Twarock, Affine extensions of non-crystallographic Coxeter groups induced by projection, *J. Math. Phys.* 54, 093508 (2013), arXiv:1110.5228 [math-ph].
2037. 215. D. Friedan, A. Konechny, C. Schmidt-Colinet, Lower bound on the entropy of boundaries and junctions in 1+1d quantum critical systems, *Phys.Rev.Lett.* 109 (2012) 14040, arXiv:1206.5395.
2038. 216. J.B. Silk, Evaluation of Correlation Functions in Integrable Quantum Field Theories , **PhD** thesis (2012), Durham University.
2039. 217. R-M. Wilbourne, (2012) Integrable Boundary Flows and the g-function, **PhD** thesis (2012), Durham University.

2040. 218. A. Ocneanu, On the inner structure of a permutation: Bicolored Partitions and Eulerians, Trees and Primitives, arXiv:1304.1263.
2041. 219. E Beltaos, Fixed point factorization, in the Proc. of the conf. Lie Theory and Its Applications in Physics, IX Int. Workshop, ed. V.K.Dobrev, Springer Proc. in Mathematics and Statistics 36, p. 511 (2013).
2042. 220. A.N. Schellekens. Life at the Interface of Particle Physics and String Theory, Rev. Mod. Phys. 85 (2013) 1491, arXiv:1306.5083.
2043. 221. C. Restuccia, Limit theories and continuous orbifolds, arXiv:1310.6857 [hep-th] .
2044. 222. V. Romain, Indecomposability in field theory and applications to disordered systems and geometrical problems **PhD** thesis (2013), Universit Pierre et Marie Curie - Paris VI.
2045. 223. Elaine Beltaos, Fixed points and D-branes, Publ. de l'Inst. Mathematique, Nouvell serie tome 94 (108) (2013) 169-180.
2046. 224. Ph. Giokas, Aspects of the Ising and tricritical Ising models (2013), **PhD** thesis, King's College, London.
2047. 225. M. Kudma, M. Rapcak, M. Schable, Ising model conformal boundary conditions from open string field theory, arXiv:1401.7980 [hep-th] .
2048. 226. Jie Gu, Hans Jockers, A note on colored HOMFLY polynomials for hyperbolic knots from WZW models, arXiv:1407.5643 [hep-th].
2049. 227. A.N. Schellekens, The string theory landscape, Int. J. of Mod. Phys. A 30 (2015) , art.N. 1530016.

Ref. 44: [17]

2050. 1. K. Graham, I. Runkel, G.M.T. Watts, Renormalisation group flows of boundary theories, hep-th/0010082, Talk presented by GMTW at the TMR conference "Nonperturbative Quantum Effects 2000", PRHEP-tmr2000/040.
2051. 2. R. Coquereaux, Notes on the quantum tetrahedron, Moscow Math. J. vol. 2, No 1 (2002), 41, math-ph/0011006.
2052. 3. I.T. Todorov and L. Hadjiivanov, Monodromy representations of the braid group, Plenary talk, presented by I. Todorov at XXIII ICGTMP Dubna, July 31 - August 5, 2000, Phys.Atom.Nucl.64:2059-2068,2001, Yad.Fiz.64:2149-2158,2001, hep-th/0012099.
2053. 4. K. Gawedzki, I. Todorov, P. Tran-Ngoc-Bich, Canonical quantization of the boundary Wess-Zumino-Witten model, Commun.Math.Phys. 248 (2004) 217, hep-th/0101170.
2054. 5. K. Graham, I. Runkel, G.M.T Watts, Minimal model boundary flows and $c=1$ CFT, Nucl.Phys. B608:527-556,2001, hep-th/0101187.
2055. 6. C. Mercat, P. A. Pearce, Integrable and Conformal Boundary Conditions for Z_k Parafermions on a Cylinder, J.Phys.A34:5751-5772,2001, hep-th/0103232
2056. 7. R. Coquereaux, Classical and quantum polyhedra: A fusion graph algebra point of view, Published in AIP Conf.Proc.589:181-203,2001, also in *Karpacz 2001, New developments in fundamental interaction theories* 181-203,hep-th/0105239
2057. 8. C.H. Otto Chui, C. Mercat, P.Orrick and P. A. Pearce, Integrable lattice realisations of conformal twisted boundary conditions, Phys.Lett.B517:429-435,2001, hep-th/0106182
2058. 9. R. Coquereaux and G. Schieber, Twisted partition functions for the ADE boundary conformal field theories and Ocneanu algebras of quantum symmetries, J.Gem.Phys.42:216-258,2002, hep-th/0107001.
2059. 10. J. Fuchs, I. Runkel, C. Schweigert, Conformal Correlation Functions, Frobenius Algebras and Triangulations, Nucl.Phys. B624 (2002) 452, hep-th/0110133.

2060. 11. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators I: Partition functions, Nucl.Phys. B646 (2002) 353, hep-th/0204148.
2061. 12. V. Schomerus, Lectures on Branes in Curved Backgrounds, Class.Quant.Grav.19 (2002) 5781-5847, hep-th/0209241.
2062. 13. A. Recknagel, Permutation Branes, JHEP 0304:041 (2003), hep-th/0208119.
2063. 14. C.H. Chui, C. Mercat, P. Pearce, Integrable and conformal twisted boundary conditions for $sl(2)$ A-D-E lattice models, J. Phys. A-Math. GEN 36 (11): 2623-2662 (2003), hep-th/0210301.
2064. 15. I.K. Kostov, Boundary Ground Ring in 2D String Theory, Nucl.Phys. B689 (2004) 3, hep-th/0312301.
2065. 16. V. Schomerus, Non-compact string backgrounds and non-rational CFT, Phys. Rep. 431 (2006), 39-86, hep-th/0509155.
2066. 17. V. Romain, Indecomposability in field theory and applications to disordered systems and geometrical problems **PhD** thesis (2013), Universit Pierre et Marie Curie - Paris VI.

Ref. 45: [109]

2067. 1. I.T. Todorov and L. Hadjiivanov, Monodromy representations of the braid group, Plenary talk, presented by I. Todorov at XXIII ICGTMP Dubna, July 31 - August 5, 2000, Phys.Atom.Nucl.64:2059-2068,2001, Yad.Fiz.64:2149-2158,2001, hep-th/0012099.
2068. 2. C.H. Otto Chui, Paul A. Pearce, Finitized Conformal Spectra of the Ising Model on the Klein Bottle and Moebius Strip, J.Statist.Phys.107:1167-1205,2002, hep-th/0105233.
2069. 3. C.H. Otto Chui, C. Mercat, P.Orrick and P. A. Pearce, Integrable lattice realisations of conformal twisted boundary conditions, Phys.Lett.B517:429-435,2001, hep-th/0106182
2070. 4. R. Coquereaux and G. Schieber, Twisted partition functions for the ADE boundary conformal field theories and Ocneanu algebras of quantum symmetries, J.Gem.Phys.42:216-258,2002, hep-th/0107001
2071. 5. C.H. Otto Chui, C. Mercat and P. A. Pearce, Integrable boundaries and universal TBA functional equations, hep-th/0108037
2072. 6. U. Grimm, Spectrum of a duality-twisted Ising quantum chain, J.Phys.A35:L25-L30,2002, hep-th/0111157
2073. 7. Ph. Ruelle, O. Verhoeven, Non periodic Ishibashi states: the $su(2)$ and $su(3)$ affine theories, Nucl.Phys. B633 (2002) 345, hep-th/0201190 .
2074. 8. R. Coquereaux (1), G. Schieber, Determination of quantum symmetries for higher ADE systems from the modular T matrix, JMP 44:3809-3837,2003, hep-th/0203242.
2075. 9. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators I: Partition functions, Nucl.Phys. B646:353-497,2002, hep-th/0204148.
2076. 10. D.E. Evans, Critical Phenomena, modular invariants and operator algebras, math.OA/0204281.
2077. 11. A. Recknagel, Permutation Branes, JHEP 0304:041 (2003), hep-th/0208119.
2078. 12. U. Grimm, Duality and conformal twisted boundaries in the Ising model, Talk given at 24th International Colloquium on Group Theoretical Methods in Physics: GROUP - 24: (ICGTMP 2002), Paris, France, 15-20 Jul 2002, in *Paris 2002, Physical and mathematical aspects of symmetries* 395-398, hep-th/0209048.
2079. 13. V. Schomerus, Lectures on Branes in Curved Backgrounds, Class.Quant.Grav.19 (2002) 5781-5847, hep-th/0209241.
2080. 14. C.H. Otto Chui, C. Mercat, P. Pearce, Integrable and conformal twisted boundary conditions for $sl(2)$ A-D-E lattice models, J. Phys. A-Math. GEN 36 (11): 2623-2662 (2003), hep-th/0210301.

2081. 15. G. Cristofano, V. Marotta and A. Naddeo, Twisted CFT and bilayer quantum HALL systems in the presence of an impurity, *Phys. Lett. B* 571 (3-4): 250-259 (2003), hep-th/0212318.
2082. 16. R. Coquereaux, M. Huerta, Torus structure on graphs and twisted partition functions for minimal and affine models, *J. of Geom. and Phys.* 48 (2003) 580, hep-th/0301215.
2083. 17. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators II: Unoriented world sheets, *Nucl. Phys. B* 678 (3): 511-637 (2004), hep-th/0306164.
2084. 18. K. Graham, G.M.T. Watts, Defect lines and boundary flows. *JHEP* 0404:019 (2004), hep-th/0306167.
2085. 19. U. Grimm, P.P. Martin, The Bubble Algebra: Structure of a Two-Colour Temperley-Lieb Algebra, *J. Phys. A-Math Gen.* 36 (42): 10551-10571 (2003), math-ph/0307017.
2086. 20. T. Quella, Asymmetrically gauged coset theories and symmetry braking D- branes, **PhD** thesis, 2003.
2087. 21. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators III: Simple currents, *Nucl.Phys. B*694 (2004) 277, hep-th/0403157.
2088. 22. J. Frohlich, J. Fuchs, I. Runkel, C. Schweigert, Kramers-Wannier duality from conformal defects, *Phys.Rev.Lett.*93:070601,2004, cond-mat/0404051.
2089. 23. C. Bachas and M. Gaberdiel, Loop operators and the Kondo problem, *JHEP* 0411 (2004) 065, hep-th/0411067.
2090. 24. G. Schieber, L'Algebre des symetries quantiques d'Oceanu et la classification des systemes conformes a 2d, math-ph/0411077.
2091. 25. D. Hammaoui, G. Schieber, E.H.Tahri Proxy, Higher Coxeter graphs associated to affine su(3) modular invariants. *J.Phys. A*38 (2005) 8259, hep-th/0412102.
2092. 26. R. Coquereaux and M. Huerta, Coxeter and Dynkin diagrams and their associated twisted partition functions for the Virasoro minimal models, *Czech. J. of Phys.* 54 (11): 1199-1207 Nov 2004.
2093. 27. J. Fuchs, I. Runkel, Ch. Schweigert, TFT construction of RCFT correlators IV: structure constants and correlation functions, *Nucl.Phys. B* 715 (2005) 539, hep-th/0412290.
2094. 28. F. Frohlich, J. Fuchs, I. Runkel, C. Schweigert, Picard groups in rational conformal field theory, Invited talk by C.S. at the conference on Non-commutative geometry and representation theory in mathematical physics (Karlstad, Sweden, July 2004). To appear in the proceedings, math/0411507.
2095. 29. C.H.Otto Chui, P.A. Pearce, Lattice realizations of the open descendants of twisted boundary conditions for sl(2) A-D-E models, *J.Stat.Mech.*0506:P008,2005, hep-th/0505085.
2096. 30. G. Cristofano, G. Maiella, V. Marotta, A. Naddeo, G. Niccoli, A unifying conformal field theory approach to the quantum Hall effect, in *Recent Res.Dev.Phys.*6:571,2005, hep-th/0507111.
2097. 31. R. Coquereaux, D. Hammaoui, G. Schieber, E.H. Tahri, Comments about quantum symmetries of SU(3) graphs, *J. of Geom. and Phys.* 57 (2006) 269, math-ph/0508002.
2098. 32. E. Isasi, Modular invariants, graphs amd quantum symmetries, in the *Proceed. of The Int. Workshop "Supersymmetries and Quantum Symmetries"* July 27-31, 2005, JINR, Dubna (2006) p. 144.
2099. 33. Ch. Schweigert , J. Fuchs , I. Runkel, Categorification and correlation functions in conformal field theory, *Proceed. of the Int. Congress of Mathematicians, Madrid, vol III* (2006), 443, math.ct/0602079.
2100. 34. E. Isasi Catala, Methode de scission modulaire et symetries quantiques des graphes non-simplement laces en theorie de champs conforme, **PhD** thesis, 2006, Universit de la Mditerrane - Aix-Marseille II.
2101. 35. J. Fröhlich, J. Fuchs, I. Runkel, Ch. Schweigert, Duality and defects in rational conformal field theory, *Nucl.Phys.*B763 (2007) 354, hep-th/0607247.
2102. 36. E. Isasi, Gil Schieber, From modular invariants to graphs: the modular splitting method, *J.Phys.*A40 (2007) 6513, math-ph/0609064.

2103. 37. T. Quella, I. Runkel, G. M.T. Watts, Reflection and Transmission for Conformal Defects, JHEP 0704:095 (2007), hep-th/0611296.
2104. 38. J. Fuchs, I. Runkel, Ch. Schweigert, The fusion algebra of bimodule categories, Appl. Categ. Structures 16 (2008) 123, math.ct/0701223.
2105. 39. A. Alekseev, S. Monnier, Quantization of Wilson loops in Wess-Zumino-Witten models, JHEP 0708:039 (2007), hep-th/0702174.
2106. 40. J. Fuchs, Ch. Schweigert, K. Waldorf, Bi-branes: Target space geometry for world sheet topological defects, J.Geom.Phys. 58 (2008) 576, hep-th/0703145.
2107. 41. J. Fuchs, M. R. Gaberdiel, I. Runkel, Ch. Schweigert, Topological defects for the free boson CFT, J.Phys.A40 (2007) 11403, arXiv:0705.3129 [hep-th].
2108. 42. I. Brunner, D. Roggenkamp, B-type defects in Landau-Ginzburg models, JHEP 0708: 093 (2007), arXiv:0707.0922 [hep-th].
2109. 43. I. Runkel, Perturbed Defects and T-Systems in Conformal Field Theory, J.Phys. A41 (2008) 105401, arXiv :0711.0102 [hep-th].
2110. 44. C. Bachas, I. Brunner, Fusion of conformal interfaces, JHEP 0802:085 (2008), arXiv:0712.0076 [hep-th].
2111. 45. I. Brunner, D. Roggenkamp, Defects and Bulk Perturbations of Boundary Landau-Ginzburg Orbifolds, JHEP 0804:001 (2008), arXiv:0712.0188 [hep-th].
2112. 46. K. Waldorf, Algebraic structures for bundle gerbs and the Wess-Zumino terms in the conformal field theory, **PhD** thesis, Hamburg (2007).
2113. 47. I. Brunner, H. Jockers, D. Roggenkamp, Defects and D-Brane Monodromies, Adv. Theor. Math. Phys. 13 (2009) 1077, arXiv:0806.4734 [hep-th].
2114. 48. I. Runkel, R. R. Suszek, Gerbe-holonomy for surfaces with defect networks, Adv. Theor. Math. Phys. 13 (2009) 1137, arXiv:0808.1419 [hep-th].
2115. 49. C. Bachas, On the Symmetries of Classical String Theory, in Quantum Mechanics of Fundamental Systems: The Quest for Beauty and Simplicity, (2009) part 2, pp. 17-26, Springer. arXiv:0808.2777.
2116. 50. K. Sakai, Yu. Satoh, Entanglement through conformal interfaces, JHEP 12 (2008) 001, arXiv:0809.4548 [hep-th].
2117. 51. G. Sarkissian, C. Schweigert, Some remarks on defects and T-duality, Nucl.Phys. B819 (2009) 478, arXiv:0810.3159 [hep-th].
2118. 52. D. Gang, S. Yamaguchi, Superconformal defects in the tricritical Ising model, JHEP12 (2008) 076, arXiv:0809.0175v3.
2119. 53. S. Monnier, Boundary renormalization group flows in Wess-Zumino-Witten models, **PhD** thesis, 2008, Geneva Univ.
2120. 54. D. Hammaoui, The smallest Ocneanu quantum groupoid of SU(3) type, The Arabian Journal for Science and Engineering 33, 2C (2008) 225.
2121. 55. P. Fendley, M. P.A. Fisher, and Ch. Nayak, Boundary Conformal Field Theory and Tunneling of Edge Quasiparticles in non-Abelian Topological States, Ann.Phys. 324 Special Issue: Sp. Iss. SI (2009) 1547, arXiv:0902.0998 [cond-mat.mes-hall].
2122. 56. G. Sarkissian, Defects and Permutation branes in the Liouville field theory, Nucl. Phys. B821 (2009) 607, arXiv:0903.4422 [hep-th].
2123. 57. D. Manolopoulos, I. Runkel, A Monoidal Category for Perturbed Defects in Conformal Field Theory, CMP 295 (2010) 327, arXiv:0904.1122 [hep-th].
2124. 58. M. Kormos, I. Runkel, G.M.T. Watts, Defect flows in minimal models, JHEP 11 (2009) 057, arXiv:0907.1497 [hep-th].

2125. 59. S. Fredenhagen, M.R. Gaberdiel, C. Schmidt-Colinet, Bulk flows in Virasoro minimal models with boundaries, *J.Phys. A* 42 (2009) 495403, arXiv:0907.2560 [hep-th].
2126. 60. C. Mercat, Analyse complexe discr'ete, **HDR** thesis, 2009, Montpellier.
2127. 61. G. Sarkissian, Canonical quantization of the WZW model with defects and Chern-Simons theory, *Int. J. Mod.Phys. A* 25 (2010) 1367, arXiv:0907.3395 [hep-th].
2128. 62. J. Rasmussen, Fusion matrices, generalized Verlinde formulas, and partition functions in WLM(1,p), *J.Phys.A43:105201* (2010), Arxiv:0908.2014.
2129. 63. I.Brunner, D. Roggenkamp, S. Rossi, Defect Perturbations in Landau-Ginzburg Models, *JHEP* 1003 (2010) 015, arXiv:0909.0696 [hep-th].
2130. 64. Z. Bajnok, O. el Deeb, Form factors in the presence of integrable defects, *Nucl. Phys. B*832 (2010) 500, arXiv:0909.3200 [hep-th].
2131. 65. J. Fröhlich, J. Fuchs, I. Runkel, Ch. Schweigert, Defect lines, dualities, and generalised orbifolds, in the Proc. of 16th International Congress on Mathematical Physics, AUG 03-08, 2009 Prague (2010) p. 608., arXiv:0909.5013 [math-ph].
2132. 66. N. Carqueville, I. Runkel, On the monoidal structure of matrix bi-factorisations, *J. Phys. A: Math. Theor.* 43 (2010) 275401, arXiv:0909.4381.
2133. 67. C. Bachas, S. Monnier, Defect loops in gauged Wess-Zumino-Witten models, *JHEP* 02 (2010) 003, arXiv:0911.1562 [hep-th].
2134. 68. J. Rasmussen, Graph fusion algebras of WLM(p,p'), *Nucl.Phys.B830:493-541*,2010, arXiv:0911.3229 [hep-th].
2135. 69. S. Goto, On Ocneanu's theory of double triangle algebras for subfactors and classification of irreducible connections on the Dynkin diagrams, *Expositiones Mathematicae* 28 (2010) 218.
2136. 70. N. Carqueville, I. Runkel, On the monoidal structure of matrix bi-factorisations, *J.Phys. A*43 (2010) 275401, arXiv:0909.4381 [math-ph].
2137. 71. C. Schmidt-Colinet, Perturbed conformal field theories with boundary, **PhD** thesis (2009), ETH, Zurich.
2138. 72. S. Rossi, Boundaries and defects in topological Landau-Ginsburg models, **PhD** thesis, ETH, Zurich.
2139. 73. I. Brunner, D. Roggenkamp, Attractor Flows from Defect Lines, *JHEP* 03 (2010) 015, arXiv:1002.2614 [hep-th].
2140. 74. N. Drukker, D. Gaiotto, J. Gomis, The Virtue of Defects in 4D Gauge Theories and 2D CFTs, *JHEP* 06 (2011) 025, arXiv:1003.1112 [hep-th].
2141. 75. I. Runkel, Non-local conserved charges from defects in perturbed conformal field theory. *J. Phys. A* 43 (2010) 365206, arXiv:1004.1909 [hep-th].
2142. 76. A. Davydov, L. Kong, I. Runkel, Invertible defects and isomorphisms of rational CFTs, *Adv. Theor. Math. Phys.* 15, Number 1 (2011), 43-69.arXiv:1004.4725 [hep-th].
2143. 77. N. Behr, S. Fredenhagen, D-branes and matrix factorisations in supersymmetric coset models, *JHEP* 11 (2010) 136, arXiv: 1005.2117 [hep-th].
2144. 78. N. Carqueville, I. Runkel, Rigidity and defect actions in Landau-Ginzburg models, *CMP* 310 (2012) 135, arXiv:1006.5609 [hep-th].
2145. 79. J.-M. Stphan, G. Misguich, G., V. Pasquier, Rnyi entropy of a line in two-dimensional Ising models, *Phys.Rev. B* 82 (2010) 125455, arXiv:1006.1605.
2146. 80. G. Sarkissian, Defects in G/H coset, G/G topological field theory and discrete Fourier-Mukai transform. *Nucl.Phys.B846* (2011) 338, arXiv:1006.5317 [hep-th].

2147. 81. J. Fuchs, Ch. Schweigert, C. Stigner, The classifying algebra for defects, Nucl. Phys. B 843 (3) (2011) 673, arXiv:1007.0401.
2148. 82. J. Gomis, B. Le Floch, 't Hooft Operators in Gauge Theory from Toda CFT, JHEP, 11 (2011) 114, arXiv:1008.4139 [hep-th].
2149. 83. R.R. Suszek, Defects, dualities and the geometry of strings via gerbes. I. Dualities and state fusion through defects, arXiv:1101.1126 [hep-th].
2150. 84. A. Davydov, L. Kong, I. Runkel, Field theories with defects and the centre functor, Contribution to the volume 'Mathematical Foundations of Quantum Field and Perturbative String Theory', (2011) p. 71, by B. Jurco, H. Sati, U. Schreiber (eds.), arXiv:1107.0495 [math.QA] .
2151. 85. G. Sarkissian, Some remarks on D-branes and defects in Liouville and Toda field theories, Int. J. of Mod. Phys. A, Vol. 27, (2012), 1250181, arXiv:1108.0242 [hep-th].
2152. 86. Y. Satoh, On supersymmetric interfaces in string theory, JHEP 03 (2012) 072, arXiv:1112.5935 [hep-th].
2153. 87. N. Behr, S. Fredenhagen, Variable transformation defects, Conference on String-Math, Univ Pennsylvania, Philadelphia, PA 06-11, 2011, STRING-MATH 2011 Book Series: Proceedings of Symposia in Pure Mathematics vol. 85 (2012), 303-312, arXiv:1202.1678 [hep-th].
2154. 88. J. Fjelstad, J. Fuchs, C. Stigner, RCFT with defects: Factorization and fundamental world sheets, Nucl.Phys. B863 (2012) 213, arXiv:1202.3929 [hep-th].
2155. 89. J. Fuchs, Ch. Schweigert, A. Valentino, Bicategories for boundary conditions and for surface defects in 3-d TFT, CMP 321 (2013) 543, arXiv:1203.4568 [hep-th].
2156. 90. C. Bachas, I. Brunner, D. Roggenkamp, A worldsheet extension of $O(d,d;Z)$, JHEP 10 (2012) 039 , arXiv:1205.4647 [hep-th].
2157. 91. K. Stigner, Hopf and Frobenius algebras in conformal field theory, **PhD** thesis (2012), Karlstad Univ., Sweden, arXiv:1210.6964.
2158. 92. A. Konechny, Renormalization group defects for boundary flows, J. Phys. A:Math. and Theor. 46 (2013) 145401, arXiv:1211.3665 [hep-th].
2159. 93. S. Elitzur, B. Karni, E. Rabinovici, G. Sarkissian, Defects, Super-Poincaré line bundle and Fermionic T-duality, JHEP 04 (2013) 088, arXiv:1301.6639.
2160. 94. M. Gutperle, A note on interface solutions in higher-spin gravity, JHEP 07 (2013) 091, arXiv:1302.3653 [hep-th].
2161. 95. D Bernard, B Doyon, Non-equilibrium steady-states in conformal field theory, Ann. Henri Poincare (2013), arXiv:1302.3125.
2162. 96. C. Bachas, I. Brunner, D. Roggenkamp, Fusion of Critical Defect Lines in the 2D Ising Model, J. Stat. Mech. (2013) P08008, arXiv:1303.3616 [cond-mat.stat-mech].
2163. 97. A. Morin-Duchesne, P.A. Pearce, J. Rasmussen, Modular invariant partition function of critical dense polymers, NP B 874 (2013) 312, arXiv:1303.4895 [hep-th].
2164. 98. C. Klimcik, Quasi-Hamiltonian bookkeeping of WZNW defects, J. of Geometry and Physics 76 (2014) 25-37, arXiv:1304.1372 [math-ph].
2165. 99. K. Gawedzki, R.R. Suszek, K.Waldorf, The gauging of two-dimensional bosonic sigma models on world-sheets with defects Rev. Math. Phys 25 (2013) 1350010.
2166. 100. Mahadevan Jegan, Homomorphisms between bubble algebra modules, **PhD thesis**, (2013) City University London.
2167. 101. Z. Bajnok, L. Hollo, G. Watts, Defect scaling Lee-Yang model from the perturbed DCFT point of view , Nucl. Phys. B 886 (2014) 93-124, arXiv:1307.4536 [hep-th].

2168. 102. I. Brunner, N. Carqueville, D. Plencner, A quick guide to defect orbifolds, contribution to C13-06-17.2 - 3d conference in String-Math series, Stony Brook NY, USA, 2013, arXiv:1310.0062 [hep-th].
2169. 103. E. Gevorgyan, G. Sarkissian, Defects, Non-abelian T-duality, and the Fourier-Mukai transform of the Ramond-Ramond fields, JHEP 03 (2014) 035, arXiv:1310.1264.
2170. 104. N. Behr, S. Fredenhagen, Matrix factorisations for rational boundary conditions by defect fusion, arXiv:1407.7254.
2171. 105. D Bernard, B Doyon, J Viti, Non-Equilibrium Conformal Field Theories with Impurities, J. Phys. A: Math. Theor. 48 05FT01, arXiv:1411.0470, 2014.
2172. 106. W.W. Ho, L. Cincio, H. Moradi, D. Gaiotto, G. Vidal, Edge-entanglement spectrum correspondence in a non-chiral topological phase, and Kramers-Wannier duality, arXiv:1411.6932 [cond-mat.str-el].
2173. 107. C. Robertson, Defect fusing rules in affine Toda field theory J. of Phys. A - Math. and Theor. 47 (2014) 485205, arXiv:1408.1960.
2174. 108. T. Okuda, Line operators in supersymmetric gauge theories and the 2d-4d relation, arXiv:1412.7126 [hep-th] .
2175. 109. Yu. Satoh, Yu. Sugawara, Non-geometric Backgrounds Based on Topological Interfaces, arXiv:1502.05776 [hep-th] —

Ref. 46: [92]

2176. 1. K. Graham, I. Runkel, G.M.T Watts, Minimal model boundary flows and $c=1$ CFT, Nucl.Phys. B608:527-556,2001, hep-th/0101187.
2177. 2. T. Gannon, Modular data: the algebraic combinatorics of conformal field theory, J. of Alg. Combinatorics, 22 , Issue 2 (2005) 211, math.QA/0103044.
2178. 3. C. Mercat, P. A. Pearce, Integrable and Conformal Boundary Conditions for Z_k Parafermions on a Cylinder, J.Phys.A34:5751-5772,2001, hep-th/0103232.
2179. 4. R. Coquereaux, Classical and quantum polyhedra: A fusion graph algebra point of view, Published in AIP Conf.Proc.589:181-203,2001, also in *Karpacz 2001, New developments in fundamental interaction theories* 181-203, hep-th/0105239.
2180. 5. Yu. Matsuo, BCFT and sliver state, Phys.Lett.B513:195-199,2001, hep-th/0105175.
2181. 6. C.H. Otto Chui, C. Mercat, P.Orrick and P. A. Pearce, Integrable lattice realisations of conformal twisted boundary conditions, Phys.Lett.B517:429-435,2001, hep-th/0106182.
2182. 7. R. Coquereaux and G. Schieber, Twisted partition functions for the ADE boundary conformal field theories and Ocneanu algebras of quantum symmetries, J.Gem.Phys.42:216-258,2002, hep-th/0107001.
2183. 8. M. Gaberdiel, A. Recknagel, G. M. T. Watts, , The conformal boundary states for $SU(2)$ at level 1, Nucl.Phys. B626:344-362,2002, hep-th/0108102.
2184. 9. C.H. Otto Chui, C. Mercat and P. A. Pearce, Integrable boundaries and universal TBA functional equations, hep-th/0108037.
2185. 10. A. Kirillov Jr, V. Ostrik, On q-analog of McKay correspondence and ADE classification of $sl(2)$ conformal field theories, ADV Math. 171 (2): 183-227 Nov 10 2002 , math.QA/0101219.
2186. 11. J. Fuchs, I. Runkel, C. Schweigert, Conformal Correlation Functions, Frobenius Algebras and Triangulations, Nucl.Phys. B624:452-468,2002, hep-th/0110133.
2187. 12. V. Ostrik, Module categories, weak Hopf algebras and modular invariants, Transformation groups 8, N: 2 (2003) 177, math.QA/0111139.
2188. 13. U. Grimm, Spectrum of a duality-twisted Ising quantum chain, J.Phys.A35:L25-L30,2002, hep-th/0111157.

2189. 14. R. Coquereaux, Notes on the quantum tetrahedron, *Moscow Math. J.* vol. 2, No 1 (2002), 41, math-ph/0011006.
2190. 15. A. Cappelli, G. D'Appollonio, Boundary States of $c=1$ and $3/2$ Rational Conformal Field Theories, *JHEP* 0202:039 (2002), hep-th/0201173.
2191. 16. R. Coquereaux (1), G. Schieber, Determination of quantum symmetries for higher ADE systems from the modular T matrix, *JMP* 44:3809-3837,2003, hep-th/0203242.
2192. 17. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators I: Partition functions, *Nucl.Phys. B*646:353-497,2002, hep-th/0204148.
2193. 18. N.M. Nikolov, I.T. Todorov, Conformal quantum field theory in two and four dimensions, *Sveske fizi?kih nauka* 2002, vol. 15, br. 3, str. 1-49, Vienna preprint ESI 1155 (2002).
2194. 19. A. Recknagel, Permutation Branes, *JHEP* 0304:041(2003), hep-th/0208119.
2195. 20. C.H. Otto Chui, C. Mercat, P. Pearce, Integrable and conformal twisted boundary conditions for $sl(2)$ A-D-E lattice models, *J. Phys. A-Math. GEN* 36 (11): 2623-2662 (2003), hep-th/0210301.
2196. 21. Yu. Matsuo, Comments on Resolution of Nonassociativity in SFT - An Example from Axioms of BCFT, *Braz. J. Phys.* v.32 n.4 (2002).
2197. 22. R. Coquereaux, M. Huerta, Torus structure on graphs and twisted partition functions for minimal and affine models, *J GEOM Phys.* 48 (4): 580-634 DEC 2003, *J. of Geom. and Phys.* 48 (2003) 580, hep-th/0301215.
2198. 23. K. Graham, G.M.T. Watts, Defect lines and boundary flows, *JHEP* 0404:019 (2004), hep-th/0306167.
2199. 24. D.E. Evans, P.R. Pinto, Subfactor realisation of modular invariants, *CMP* 237 (2003) 309, math.OA/0309174v1.
2200. 25. R. Coquereaux, The A2 Ocneanu quantum groupoid, Contributed to 15th Latin American Algebra Colloquium, Cocoyoc, Mexico, 20-26 Jul 2003, hep-th/0311151.
2201. 26. A. Cappelli, G. D'Appollonio, M. Zabzine, Landau-Ginzburg Description of Boundary Critical Phenomena in Two Dimensions, *JHEP* 0404:010 (2004), hep-th/0312296.
2202. 27. P. Furlan, L.K. Hadjiivanov, A.P. Isaev, O.V. Ogievetsky, P.N. Pyatov and I.T. Todorov, Quantum matrix algebra for the $SU(n)$ WZNW model, *J. Phys. A*36 (20): 5497-5530 (2003), hep-th/0003210.
2203. 28. R. Coquereaux, Quantum geometry of ADE diagrams and generalized Coxeter-Dynkin systems, *Institute of physics conference series* 173: 61-71 2003.
2204. 29. R. Coquereaux, R. Trincherro, On quantum symmetries of ADE graphs, *Adv.Theor.Math.Phys.* 8 (2004) 189, hep-th/0401140.
2205. 30. E. Isasi, R. Coquereaux, On quantum symmetries of the non-ADE graph F_4 , *Adv.Theor.Math.Phys.* 8 (2004) 955, hep-th/0409201.
2206. 31. R. Coquereaux, A. O. Garcia Proxy, On bialgebras associated with paths and essential paths on ADE graphs, *Int.J.Geom.Meth.Mod.Phys.* 2 (2005) 441, math-ph/0411048.
2207. 32. G. Schieber, L'Algebre des symetries quantiques d'Ocneanu et la classification des systemes conformes a 2d, math-ph/0411077.
2208. 33. D. Hammaoui, G. Schieber, E.H.Tahri Proxy, Higher Coxeter graphs associated to affine $su(3)$ modular invariants. *J.Phys. A*38 (2005) 8259, hep-th/0412102.
2209. 34. R. Coquereaux and M. Huerta, Coxeter and Dynkin diagrams and their associated twisted partition functions for the Virasoro minimal models, *Czech.J.Phys.* 54 (11): 1199-1207 Nov 2004.
2210. 35. J. Fuchs, I. Runkel, Ch. Schweigert, TFT construction of RCFT correlators IV: structure constants and correlation functions, *Nucl.Phys. B* 715 (2005) 539, hep-th/0412290.
2211. 36. K. Szlachanyi, The double algebraic view of finite quantum groupoids *J. of Algebra* 280 (1): 249-294 Oct 1 2004.

2212. 37. J. Frohlich, J. Fuchs, I. Runkel, C. Schweigert, Kramers-Wannier duality from conformal defects, *Phys.Rev.Lett.*93:070601,2004.
2213. 38. F. Frohlich, J. Fuchs, I. Runkel, C. Schweigert, Picard groups in rational conformal field theory, Invited talk by C.S. at the conference on Non-commutative geometry and representation theory in mathematical physics (Karlstad, Sweden, July 2004). To appear in the proceedings, math/0411507.
2214. 39. R. Trinchero, Symmetries of faces models and the double triangle algebra, hep-th/0501140.
2215. 40. C.H.Otto Chui, P.A. Pearce, Lattice realizations of the open descendants of twisted boundary conditions for $sl(2)$ A-D-E models, *J.Stat.Mech.*0506:P008,2005, hep-th/0505085.
2216. 41. I. Runkel, Algebra in Braided Tensor Categories and Conformal Field Theory, preprint (part of) Habilitation in the Dept. of Math., Hamburg University, December 2005.
2217. 42. R. Coquereaux, D. Hammaoui, G. Schieber, E.H. Tahri, Comments about quantum symmetries of $SU(3)$ graphs, *J. of Geom. and Phys.* 57 (2006) 269, math-ph/0508002.
2218. 43. R. Coquereaux, Racah - Wigner quantum 6j Symbols, Ocneanu Cells for AN diagrams, and quantum groupoids, *J. of Geom. and Phys.* 57 (2007) 387, hep-th/0511293.
2219. 44. I. Runkel, J. Fjelstad, J. Fuchs, Ch. Schweigert, Topological and conformal field theory as Frobenius algebras, To appear in the proceedings of Conference on Categories in Algebra, Geometry and Mathematical Physics in Honor of Ross Street's 60th Birthday, (Streetfest), Sydney, Australia, 11-16 Jul 2006. math.ct/0512076.
2220. 45. E. Isasi, Modular invariants, graphs and quantum symmetries, in the Proceed. of The Int. Workshop "Supersymmetries and Quantum Symmetries" July 27-31, 2005, JINR, Dubna.
2221. 46. R. Coquereaux, G. Schieber, Orders and dimensions for $sl(2)$ or $sl(3)$ module categories and boundary conformal field theories on a torus, math-ph/0610073.
2222. 47. J. Fröhlich, J. Fuchs, I. Runkel, Ch. Schweigert, Duality and defects in rational conformal field theory, *Nucl.Phys. B*763 (2007) 354-430, hep-th/0607247.
2223. 48. E. Isasi, Gil Schieber, From modular invariants to graphs: the modular splitting method, *J.Phys.A*40 (2007) 6513, math-ph/0609064.
2224. 49. T. Quella, I. Runkel, G. M.T. Watts, Reflection and Transmission for Conformal Defects, *JHEP* 0704:095 (2007), hep-th/0611296.
2225. 50. E. Isasi Catala, Methode de scission modulaire et symetries quantiques des graphes non-simplement laces en theorie de champs conforme, **PhD** thesis, 2006, Universit de la Mditerrane - Aix-Marseille II.
2226. 51. J. Fuchs, I. Runkel, Ch. Schweigert, The fusion algebra of bimodule categories, *Appl. Categ. Structures* 16 (2008) 123, math.ct/0701223.
2227. 52. J. Fuchs, M. R. Gaberdiel, I. Runkel, Ch. Schweigert, Topological defects for the free boson CFT, *J.Phys.A*40 (2007) 11403, arXiv:0705.3129 [hep-th].
2228. 53. R. Coquereaux, G. Schieber, From conformal embeddings to quantum symmetries: an exceptional $SU(4)$ example, *J.Phys.Conf.Ser.*103:012006,2008, arXiv:0710.1397 [math-ph].
2229. 54. I. Runkel, Perturbed defects and T-systems in conformal field theory, *J.Phys.A*41:105401,2008, arXiv:0711.0102 [hep-th].
2230. 55. C. Bachas, I. Brunner, Fusion of conformal interfaces, *JHEP* 0802:085 (2008), arXiv:0712.0076 [hep-th].
2231. 56. L. Hadjiivanov, P. Furlan, Extended $su(2)_k$ and restricted $U_q sl(2)$, *Bulg.J.Phys.* 35 (2008) 151, arXiv:0712.2158 [hep-th].
2232. 57. Z. Bajnok, Zs. Simon, Solving topological defects via fusion, *NP B*802 (2008) 307, arXiv:0712.4292 [hep-th].

2233. 58. D. E. Evans, T. Gannon, Modular Invariants and Twisted Equivariant K-theory, *Commun. Number Theory Phys* 3 (2009) 209-296, arXiv:0807.3759.
2234. 59. D. Gang, S. Yamaguchi, Superconformal defects in the tricritical Ising model, *JHEP*12 (2008) 076, arXiv:0809.0175v3.
2235. 60. E. Tsouchnika, Quantum groups and field theory, **PhD** thesis, Hamburg, 2008.
2236. 61. R. Coquereaux, Conformal embeddings and quantum graphs with self-fusion, Lecture presented at the XVII Coloquio Latinoamericano de Algebra, Medellin, Colombia, July 23 to 27, 2007; - 2008 - hal-00286087v2, hal.archives-ouvertes.fr.
2237. 62. R. Coquereaux, G. Schieber, Quantum symmetries for exceptional $SU(4)$ modular invariants associated with conformal embeddings, *SIGMA* 5 (2009) 044, arXiv:0805.4678.
2238. 63. D. Hammaoui, The smallest Ocneanu quantum groupoid of $SU(3)$ type, *The Arabian Journal for Science and Engineering* 33, 2C (2008) 225.
2239. 64. G. Sarkissian, Defects and Permutation branes in the Liouville field theory, *Nucl. Phys. B*821 (2009) 607, arXiv:0903.4422 [hep-th].
2240. 65. D. Manolopoulos, I. Runkel, A Monoidal Category for Perturbed Defects in Conformal Field Theory, *CMP* 295 (2010) 327, arXiv:0904.1122 [hep-th].
2241. 66. G. Sarkissian, Canonical quantization of the WZW model with defects and Chern-Simons theory, *Int. J. Mod.Phys. A* 25 (2010) 1367, arXiv:0907.3395 [hep-th].
2242. 67. J. Rasmussen, Fusion matrices, generalized Verlinde formulas, and partition functions in $WLM(1,p)$, *J.Phys.A*43:105201,2010, Arxiv:0908.2014.
2243. 68. L. Lepori, G. Zsolt Toth, G. Delfino, Particle spectrum of the 3-state Potts field theory: a numerical study, *J. Stat. Mech.-Theory and experiment* (2009) P11007, arXiv:0909.2192 [hep-th].
2244. 69. C. Mercat, Analyse complexe discr'ete, **HDR** thesis, 2009, Montpellier.
2245. 70. J. Rasmussen,, Graph fusion algebras of $WLM(p,p')$, *Nucl.Phys.B*830 (2010) 493, arXiv:0911.3229 [hep-th].
2246. 71. I. Todorov and L. Hadjiivanov, Quantum Groups and Braid Group Statistics in Conformal Current Algebra Models (2010), book, Editora da Universidade Federal do Espirito Santo, Brazil.
2247. 72. S. Goto, On Ocneanu's theory of double triangle algebras for subfactors and classification of irreducible connections on the Dynkin diagrams, *Expositiones Mathematicae* 28 (2010) 218.
2248. 73. R. Coquereaux, R. Rais, E.H. Tahri, Exceptional quantum subgroups for the rank two Lie algebras B_2 and G_2 , *J. of Math. Phys.* 51 (9) (2010) 092302, arXiv:1001.5416.
2249. 74. N. Drukker, D. Gaiotto, J. Gomis, The Virtue of Defects in 4D Gauge Theories and 2D CFTs, *JHEP* 06 (2011) 025, arXiv:1003.1112 [hep-th].
2250. 75. R. Coquereaux, Global dimensions for Lie groups at level k and their conformally exceptional quantum subgroups, *Rev.Union Mat.Argentina* 51 (2010) 17, arXiv:1003.2589 [math.QA].
2251. 76. I. Runkel, Non-local conserved charges from defects in perturbed conformal field theory. *J. Phys. A* 43 (2010) 365206, arXiv:1004.1909 [hep-th].
2252. 77. R. Trincherro, Paths on graphs and associated quantum groupoids, *Rev. de la Union Mat. Arg.* 51 Issue: 2 (2010) 147, arXiv:1004.5104 [math.QA].
2253. 78. N.Sh. Izmailian, Finite-size corrections in the Ising model with special boundary conditions, *NP B*839 (2010) 446.
2254. 79. The classifying algebra for defects, *Nucl.Phys.B*843:673-723,2011, arXiv:1007.0401.
2255. 80. R. Coquereaux, E. Isasi, G. Schieber, Notes on TQFT wire models and coherence equations for $SU(3)$ triangular cells, *Sym. Int. and Geom. - Methods and Appl.* 6 (2010) 099, arXiv:1007.0721 [math.QA].

2256. 81. J. Gomis, B. Le Floch, 't Hooft Operators in Gauge Theory from Toda CFT, JHEP, 11 (2011) 114, arXiv:1008.4139 [hep-th].
2257. 82. D.E. Evans, T. Gannon, Modular Invariants and Twisted Equivariant K-theory II: Dynkin diagram symmetries, J. of K-Theory 12 (2013) 273-330, arXiv:1012.1634.
2258. 83. M.R. Gaberdiel, I. Runkel, S. Wood, A Modular invariant bulk theory for the $c=0$ triplet model, J. Phys. A 44 015204 (2011), arXiv:1008.0082v2.
2259. 84. L. Lepori, QFT emerging models in condensed matter systems, **PhD** thesis, (2010) SISSA, Italy.
2260. 85. K. Stigner, Hopf and Frobenius algebras in conformal field theory, **PhD** thesis (2012), Karlstad Univ., Sweden, arXiv:1210.6964.
2261. 86. R. Coquereaux, Quantum McKay correspondence and global dimensions for fusion and module-categories associated with Lie groups, arXiv:1209.6621 [math.QA].
2262. 87. S. Elitzur, B. Karni, E. Rabinovici, G. Sarkissian, Defects, Super-Poincaré line bundle and Fermionic T-duality, JHEP 04 (2013) 088, arXiv:1301.6639.
2263. 88. A. Ocneanu, On the inner structure of a permutation: Bicolored Partitions and Eulerians, Trees and Primitives, arXiv:1304.1263.
2264. 89. K. Gawedzki, R.R. Suszek, K.Waldorf, The gauging of two-dimensional bosonic sigma models on world-sheets with defects Rev. Math. Phys 25 (2013) 1350010.
2265. 90. Liang Chang, Kitaev models based on unitary quantum groupoids, JMP 55 (2014) 041703, arXiv:1309.4181v2 [math.QA].
2266. 91. J.A. Pineda, E. Isasi, M. I. Caicedo , Essential paths space on ADE SU(3) graphs: A geometric approach, arXiv:1407.2964 [math-ph].
2267. 92. P. Furlan, L. Hadjiivanov, I. Todorov, Canonical approach to the WZNW model, arXiv:1410.7228 [hep-th] .

Ref. C15 ; [39]

2268. 1. Z. Bajnok, L.Palla and G.Takacs, Boundary states and finite size effects in Sine-Gordon model with Neumann boundary condition, Nucl.Phys. B614:405-448,2001, hep-th/0106069.
2269. 2. K. Gawedzki, Boundary WZW, G/GH, G/G and CS theories, Annales Henri Poincare 3:847-881,2002, hep-th/0108044.
2270. 3. C. Bachas, J.de Boer, R. Dijkgraaf, H. Ooguri, Permeable conformal walls and holography, JHEP 0206:027 (2002), hep-th/0111210.
2271. 4. Ya.S. Stanev, Two dimensional conformal field theory on open and unoriented surfaces, Lectures at the 4th SIGRAV School and 2001 School of Algebraic Geometry and Physics, Como, Italy, May 2001, in *Como 2001, Geometry and physics of branes* 39-85, hep-th/0112222.
2272. 5. A. Cappelli, G. D'Appollonio, Boundary States of $c=1$ and $3/2$ Rational Conformal Field Theories, JHEP 0202:039 (2002), hep-th/0201173.
2273. 6. I. Smyrnakis, Boundary states, extended symmetry algebra and module structure for certain rational torus models, JMP 43:6085-6095,2002, hep-th/0203127.
2274. 7. C. Angelantonj, A. Sagnotti, Open strings, Phys.Rept.371:1-150,2002, Erratum-ibid.376:339-405,2003, hep-th/0204089.
2275. 8. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators I: Partition functions, Nucl.Phys. B646:353-497,2002, hep-th/0204148.
2276. 9. K. Gawedzki, N. Reis, WZW branes and gerbes, Rev.Math.Phys.14:1281-1334,2002, hep-th/0205233 .

2277. 10. A. Recknagel, Permutation Branes, JHEP 04(2003) 041, hep-th/0208119.
2278. 11. V. Schomerus, Lectures on Branes in Curved Backgrounds, Class.Quant.Grav.19 (2002) 5781-5847, hep-th/0209241.
2279. 12. A. Hatzinikitas, I. Smyrnakis, Boundary Structure and Module Decomposition of the Bosonic Z_2 Orbifold Models with $R^2 = 1/2k$, Ann. Phys. 302 (2002) 89, hep-th/0203128.
2280. 13. R. Coquereaux, M. Huerta, Torus structure on graphs and twisted partition functions for minimal and affine models, J. of Geom. and Phys. 48 (2003) 580, hep-th/0301215.
2281. 14. A. Cappelli, G. D'Appollonio, M. Zabzine, Landau-Ginzburg Description of Boundary Critical Phenomena in Two Dimensions, JHEP 0404:010 (2004), hep-th/0312296.
2282. 15. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators II: Unoriented world sheets, Nucl. Phys. B 678 (3): 511-637 (2004), hep-th/0306164.
2283. 16. R. Coquereaux and M. Huerta, Coxeter and Dynkin diagrams and their associated twisted partition functions for the Virasoro minimal models, Czech. J.Phys. 54 (11): 1199-1207 Nov 2004.
2284. 17. J. Cardy, Boundary conformal field theory. To appear as entry in Encyclopedia of Mathematical Physics, hep-th/0411189.
2285. 18. J. Fuchs, I. Runkel, Ch. Schweigert, TFT construction of RCFT correlators IV: structure constants and correlation functions, Nucl.Phys. B 715 (2005) 539, hep-th/0412290.
2286. 19. K. Gawedzki, Abelian and non-abelian branes in WZW models and gerbes, CMP 258 23 (2005), hep-th/0406072.
2287. 20. C.H.Otto Chui, P.A. Pearce, Lattice realizations of the open descendants of twisted boundary conditions for $sl(2)$ A-D-E models, JSTAT 0506:P008,2005, hep-th/0505085.
2288. 21. V. Schomerus, Non-compact string backgrounds and non-rational CFT, Phys. Rep. 431 (2006) 39-86, hep-th/0509155.
2289. 22. M. Asorey, D. Garcia-Alvarez, J.M. Munoz-Castaneda, Casimir Effect and Global Theory of Boundary Conditions, J. Phys. A: Math. Gen. 39 (2006) 6127, hep-th/0604089.
2290. 23. J. Fröhlich, J. Fuchs, I. Runkel, Ch. Schweigert, Duality and defects in rational conformal field theory, Nucl.Phys. B763 (2007) 354, hep-th/0607247.
2291. 24. S. Balaska, T. Sahabi, The boundary states and correlation functions of the tricritical Ising model, Comm. Theor. Phys. 51 (2009) 115, hep-th/0610035.
2292. 25. B. Bellazzini, M. Mintchev, P. Sorba, Bosonization and Scale Invariance on Quantum Wires, J. Phys. A: Math. Theor. 40 (2007) 2485, hep-th/0611090.
2293. 26. T. Quella, I. Runkel and G. M.T. Watts, Reflection and Transmission for Conformal Defects, JHEP 0704:095 (2007), hep-th/0611296.
2294. **27.** T. Gannon, Moonshine beyond the monster: the bridge connecting algebra, modular forms and physics, book, (2006) Cambridge monographs on mathematical physics.
2295. 28. J.L. Jacobsen and H. Saleur, Conformal boundary loop models, NP B788 (2008) 137, math-ph/0611078.
2296. 29. M. Asorey, D. Garcia-Alvarez, J.M. Munoz-Castaneda, Vacuum Energy and Renormalization on the Edge, J.Phys.A40:6767-6776,2007, hep-th/0704.1084.
2297. 30. D. Blakeley and A. Recknagel, Symmetry-breaking boundary states for WZW models, Nucl. Phys. B 806 (2009) 636, arXiv: 0705.1068.
2298. 31. Gabor Z. Toth, Investigations in Two-Dimensional Quantum Field Theory by the Bootstrap and TCSA Methods, **PhD** thesis, arXiv:0707.0015 [hep-th].
2299. 32. J. Cardy, Conformal field theory and statistical mechanics, Lectures given at the Summer school on exact methods in low-dimensional physics and quantum computing, Les Houches, July 2008.

2300. 33. J.P. Babaro, G. Giribet, Disk one-point function for non-rational conformal theories, JHEP 09 (2010) 077, arXiv:1005.2607.
2301. 34. S. Balaska and N.S. Bounoua, The Boundary Conformal Field Theories of the 2D Ising critical points J.Phys. Conf. Ser. 411 (2013) 012004 , arXiv:1104.1104v2.
2302. 35. R. Bondesan, J. Dubail, J. Lykke Jacobsen, H. Saleur, Conformal boundary state for the rectangular geometry, Nucl.Phys. B862 (2012) 553, arXiv:1110.6861 [math-ph].
2303. 36. M. Henkel and D. Karevski, A Short Introduction to Conformal Invariance, Lecture Notes in Physics 853 (2012) 1-49.
2304. 37. R. Bondesan, Edge states and supersymmetric sigma models, **PhD** thesis, (2012) Universite 6, Paris.
2305. 38. W.H. Baron, Strings and D-branes in curved space-time, arXiv:1211.1942 [hep-th].
2306. 39. M. Kudrna, M. Rapcak, M. Schable, Ising model conformal boundary conditions from open string field theory, arXiv:1401.7980 [hep-th] .

Ref. C16: [25]

2307. 1. L. Hadjiivanov, T. Popov, On the rational solutions of the $su(2)_k$ Knizhnik-Zamolodchikov equation, Eur. Phys. J. B 29 (2002), 183, hep-th/0109219
2308. 2. J. Fuchs, I. Runkel, C. Schweigert, Conformal Correlation Functions, Frobenius Algebras and Triangulations, Nucl. Phys. B 624 452 (2002),hep-th/0110133.
2309. 3. U. Grimm, Spectrum of a duality-twisted Ising quantum chain, J.Phys.A35:L25-L30,2002, hep-th/0111157.
2310. 4. M.R. Gaberdiel, T. Gannon, Boundary states for WZW models,Nucl. Phys. B 639 471 (2002), hep-th/0202067.
2311. 5. R. Coquereaux (1), G. Schieber, Determination of quantum symmetries for higher ADE systems from the modular T matrix, JMP 44 (9): 3809-3837 SEP 2003, hep-th/0203242.
2312. 6. J. Fuchs, I. Runkel, C. Schweigert, TFT construction of RCFT correlators I: Partition functions, Nucl.Phys. B646 (2002) 353-497, hep-th/0204148.
2313. 7. D.E. Evans, Critical Phenomena, modular invariants and operator algebras, math.OA/0204281.
2314. 8. N.M. Nikolov, I.T. Todorov, Conformal quantum field theory in two and four dimensions, Vienna preprint ESI 1155 (2002).
2315. 9. S. Alisauskas, 6j-symbols for symmetric representations of $SO(n)$ as the double series, J. Phys. A: Math. Gen, 35, 10229-10246 (2002) , math-ph/0206044.
2316. 10. C.H. Otto Chui, C. Mercat, P. Pearce, Integrable and conformal twisted boundary conditions for $sl(2)$ A-D-E lattice models, J. Phys. A-Math. GEN 36 (11): 2623-2662 (2003), hep-th/0210301.
2317. 11. Ph. Ruelle, O. Verhoeven, Non periodic Ishibashi states: the $su(2)$ and $su(3)$ affine theories, Nucl.Phys. B633 (2002) 345.
2318. 12. D.E. Evans, P.R. Pinto, Subfactor realisation of modular invariants, Comm. Math. Phys. 237 (2003) 309, math.OA/0309174v1.
2319. 13. G. Schieber, L'Algebre des symetries quantiques d'Ocneau et la classification des systemes conformes a 2d, **PhD** thesis, math-ph/0411077.
2320. 14. J. Fuchs, I. Runkel, Ch. Schweigert, TFT construction of RCFT correlators IV: structure constants and correlation functions, Nucl.Phys. B 715 (2005) 539, hep-th/0412290.
2321. 15. T. Gannon and M. Vasudevan, Charges of exceptionally twisted branes, JHEP 0507:035 (2005), hep-th/0504006.

2322. 16. I. Runkel, Algebra in Braided Tensor Categories and Conformal Field Theory, preprint (part of Habilitation in the Dept. of Math., Hamburg University, December 2005).
2323. 17. V. Chilla, On Racah-Vigner calculus for classical Lie groups via Schur-Weyl duality, **PhD** thesis (2006) Pisa University.
2324. 18. S. Freyre, M. Graa, L. Vendramin, On Nichols algebras over $SL(2, \mathbb{F}_q)$ and $GL(2, \mathbb{F}_q)$, JMP 48, 123513 (2007), arXiv:math/0703498.
2325. 19. C. Mercat, Analyse complexe discrète, **HDR** thesis, 2009, Montpellier.
2326. 20. S. Goto, On Ocneanu's theory of double triangle algebras for subfactors and classification of irreducible connections on the Dynkin diagrams, Expositiones Mathematicae 28 (2010) 218.
2327. 21. G. Sarkissian, Defects in G/H coset, G/G topological field theory and discrete Fourier-Mukai transform. Nucl.Phys.B846 (2011) 338, arXiv:1006.5317 [hep-th].
2328. 22. H. Wenzl, Fusion symmetric spaces and subfactors, Pacific J. of Math, 259 (1912) 483510, arXiv:1108.1428.
2329. 23. K. Szlachnyi, Skew-monoidal categories and bialgebroids, Adv. Math. 231 (1912) 1694, arXiv:1201.4981.
2330. 24. S. Elitzur, B. Karni, E. Rabinovici, G. Sarkissian, Defects, Super-Poincaré line bundle and Fermionic T-duality, JHEP 04 (2013) 088, arXiv:1301.6639.
2331. 25. E. Gevorgyan, G. Sarkissian, Defects, Non-abelian T-duality, and the Fourier-Mukai transform of the Ramond-Ramond fields, JHEP 03 (2014) 035, arXiv:1310.1264.

Ref. C17: [27]

2332. 1. M.R. Gaberdiel, T. Gannon, Boundary states for WZW models, Nucl.Phys. B639:471-501,2002, hep-th/0202067.
2333. 2. M.B. Halpern, N.A. Obers, Two Large Examples in Orbifold Theory: Abelian Orbifolds and the Charge Conjugation Orbifold on $su(n)$, Int.J.Mod.Phys.A17:3897-3962,2002, hep-th/0203056.
2334. 3. T. Quella, I. Runkel, C. Schweigert, An algorithm for twisted fusion rules, Adv.Theor.Math.Phys.6:197-205,2002, math.QA/0203133.
2335. 4. T. Quella, Branching rules of semi-simple Lie algebras using affine extensions, J.Phys.A35:3743-3754,2002, math-ph/0111020,
2336. 5. T. Quella, V. Schomerus, Symmetry breaking boundary states and defect lines, JHEP 0206:028 (2002), hep-th/0203161.
2337. 6. D.E. Evans, Critical Phenomena, modular invariants and operator algebras, math.OA/0204281.
2338. 7. A.Yu. Alekseev, S. Fredenhagen, T. Quella, V. Schomerus, Non-commutative gauge theory of twisted D-branes, Nucl.Phys. B646:127-157,2002, hep-th/0205123.
2339. 8. V. Schomerus, Lectures on Branes in Curved Backgrounds, Class.Quant.Grav.19 (2002) 5781-5847, hep-th/0209241.
2340. 9. N. Sousa, A.N. Schellekens, Orientation matters for NIMreps, Nucl.Phys. B653 (2003) 339, hep-th/0210014.
2341. 10. D.P.S. Fredenhagen, Dynamics of D-branes in curved backgrounds, **PhD** thesis (Berlin, 2002).
2342. 11. R.E. Behrend, D.E. Evans, Integrable lattice models for conjugate $A_n^{(1)}$, J.Phys.A37:2937-2948,2004, hep-th/0309068.
2343. 12. M.R. Gaberdiel, T. Gannon, The charges of a twisted brane, JHEP 0401:018 (2004), hep-th/0311242.
2344. 13. T. Quella, Asymmetrically gauged coset theories and symmetry braking D- branes, **PhD** thesis, 2003.
2345. 14. F. Xu, Strong additivity and conformal nets, Pacific J. of Math. 221, issue 1 (2005) 167, math.QA/0303266.

2346. 15. D. Hammaoui, G. Schieber, E.H.Tahri, Higher Coxeter graphs associated to affine $su(3)$ modular invariants, *J.Phys.A38* (2005) 8259, hep-th/0412102.
2347. 16. S. Hemming, S. Kawai, E. Keski-Vakkuri. Coulomb-gas formulation of $SU(2)$ branes and chiral blocks, *J.Phys.A38* (2005) 5809, hep-th/0403145.
2348. 17. V. Schomerus, Strings through the microscope, in Proc. of the XIVth International Congress on Mathematical Physics, 2003, University of Lisbon, Portugal, p. 78, hep-th/0404262.
2349. 18. R. Coquereaux, D. Hammaoui, G. Schieber, E.H. Tahri, Comments about quantum symmetries of $SU(3)$ graphs, *J. of Geom. and Phys.* 57 (2006) 269, math-ph/0508002.
2350. 19. S. Fredenhagen, M.R. Gaberdiel, T. Mettler, Charges of twisted branes: the exceptional cases, *JHEP* 0505:058 (2005).
2351. 20. S. G. Naculich, H.J. Schnitzer, Level-rank duality of untwisted and twisted D-branes, *Nucl.Phys.* B742 (2006) 295, hep-th/0601175.
2352. 21. S. G. Naculich, H.J. Schnitzer, Twisted D-branes of the $SU(N)_k$ WZW model and level-rank duality, *NP B755* (2006) 164, hep-th/0606147.
2353. 22. E. Isasi, Gil Schieber, From modular invariants to graphs: the modular splitting method, *J.Phys.A40* (2007) 6513, math-ph/0609064 v2.
2354. 23. S.G. Naculich, B.H. Ripman, Level-rank duality of untwisted and twisted D-branes of the $so(N)_K$ WZW model, *NP B787* (2007) 135, arXiv:0706.1957 [hep-th].
2355. 24. S. Monnier, Kondo flow invariants, twisted K-theory and Ramond-Ramond charges, *JHEP* 06 (2008) 022, arXiv:0803.1565 [hep-th].
2356. 25. S. Monnier, Boundary renormalization group flows in Wess-Zumino-Witten models, **PhD** thesis, 2008, Geneva Univ.
2357. 26. F. Xu, On affine orbifold nets associated with outer automorphisms, *Comm. Math. Phys.* 291 (2009) 845.
2358. 27. A. Wassermann, Subfactors and Connes fusion for twisted loop groups, arXiv:1003.2292[math.OA].

Ref. 48: [17]

2359. 1. G. Giribet, Yu Nakayama, The Stoyanovsky-Ribault-Teschner map and string scattering amplitudes, *Int. J. of Mod. Phys. A* 21 4003 (2006), hep-th/0505203.
2360. 2. S. Alexandrov, E. Imeroni, $c=1$ from $c|1$: Bulk and boundary correlators, *Nucl. Phys. B* 731 242 (2005), hep-th/0504199 (v4).
2361. 3. A. Belavin, Al. Zamolodchikov, Integrals over moduli spaces, ground ring, and four-point function in minimal Liouville gravity, *TMP* 147 (2006) 729, hep-th/0510214.
2362. 4. D. A. Sahakyan, T. Takayanagi, On the connection between $N=2$ minimal string and $(1,N)$ bosonic minimal string, *JHEP* 0606 027 (2006), hep-th/0512112.
2363. 5. V.A. Fateev, A.V. Litvinov, Coulomb integrals in Liouville theory and Liouville gravity, *JETP Letters*, v. 84, No 10 (2006) 531.
2364. 6. G. Giribet, M. Leoni, A twisted FZZ-like dual for the 2D black hole, *Rep.Math. Phys.* 61, (2008) 151, arXiv:0706.0036 [hep-th].
2365. 7. V.A. Fateev, A.V. Litvinov, Multipoint correlation functions in Liouville field theory and minimal Liouville gravity, *Theor. and Math. Phys.* 154 454 (2008), arXiv:0707.1664 [hep-th].
2366. 8. G. Giribet, L. Nicolas, Comment on three-point function in $AdS(3)/CFT(2)$, *J. Math. Phys.* 50, 042304 (2009), arXiv:0812.2732 [hep-th].

2367. 9. D. Harlow, J. Maltz, E. Witten, Analytic Continuation of Liouville Theory, JHEP 12 (2011) 71, arXiv:1108.4417.
2368. 10. G. Giribet, The timelike Liouville three-point function, Phys. Rev. D 85, Issue 8 (2012) , Article n. 086009, arXiv:1110.6118.
2369. 11. M. Picco, R. Santachiara, J. Viti, G. Delfino, Connectivities of Potts Fortuin-Kasteleyn clusters and time-like Liouville correlator, NP B875 (2013) 719, arXiv:1304.6511.
2370. 12. G. Delfino, M. Picco, R. Santachiara, J. Viti, Spin clusters and conformal field theory, J. Stat. Mech. (2013) P11011, arXiv:1307.6123 [cond-mat.stat-mech].
2371. 13. J. Maltz, Towards String Theory models of DeSitter Space and early Universe Cosmology **PhD** thesis, arXiv:1309.2356 [hep-th].
2372. 14. R. Santachiara, J. Viti, Local logarithmic correlators as limits of Coulomb gas integrals, NP B882 (2014) 229-262, arXiv:1311.2055.
2373. 15. E. Martinec, W.E. Moore, Modeling Quantum Gravity Effects in Inflation, JHEP 7 (2014) 053, arXiv:1401.7681.
2374. 16. C. M. Bender, D. W. Hook, N.E. Mavromatos, S. Sarkar, Infinite Class of PT -Symmetric Theories from One Timelike Liouville Lagrangian, Phys.Rev.Lett. 113 (2014) 23, 231605.
2375. 17. S. Ribault, R. Santachiara. Liouville theory with a central charge less than one, arXiv:1503.02067 [hep-th] — PDF

Ref. 49: [11]

2376. 1. A. Dabholkar, A Pakman, Exact chiral ring of AdS(3)/CFT(2), Adv. Theor. Math. Phys. 13 (2009) 409, hep-th/0703022.
2377. 2. G. Giribet, M. Leoni, A twisted FZZ-like dual for the 2D black hole. Rept.Math.Phys.61 (2008) 151, arXiv:0706.0036 [hep-th].
2378. 3. V.A. Fateev, A.V. Litvinov, Multipoint correlation functions in Liouville field theory and minimal Liouville gravity, Theor.Math.Phys.154 (2008) 454, arXiv:0707.1664 [hep-th].
2379. 4. G. Giribet, A. Pakman, L. Rastelli, Spectral Flow in AdS(3)/CFT(2), JHEP 06 (2008) 013 , arXiv:0712.3046 [hep-th].
2380. 5. K. Hosomichi, Minimal Open Strings, JHEP 06 (2008) 029, arXiv:0804.4721 [hep-th].
2381. 6. V.A. Fateev, A.V. Litvinov, A. Neveu, E. Onofri, Differential equation for four-point correlation function in Liouville field theory and elliptic four-point conformal blocks, J. Phys. A: Math. Theor. 42 304011 (2009), arXiv:0902.1331.
2382. 7. D. Harlow, J. Maltz, E. Witten, Analytic Continuation of Liouville Theory, JHEP 12 (2011) 71, arXiv:1108.4417.
2383. 8. G. Giribet, The timelike Liouville three-point function, Phys. Rev. D 85, Issue 8 (2012) , Article n. 086009, arXiv:1110.6118.
2384. 9. J. Maltz, Towards String Theory models of DeSitter Space and early Universe Cosmology **PhD** thesis, arXiv:1309.2356 [hep-th].
2385. 10. E. Martinec, W.E. Moore, Modeling Quantum Gravity Effects in Inflation, JHEP 7 (2014) 053, arXiv:1401.7681.
2386. 11. C. M. Bender, D. W. Hook, N.E. Mavromatos, S. Sarkar, Infinite Class of PT -Symmetric Theories from One Timelike Liouville Lagrangian, Phys.Rev.Lett. 113 (2014) 23, 231605.

Ref. 50: [5]

2387. 1. V.A. Fateev, A.V. Litvinov, Multipoint correlation functions in Liouville field theory and minimal Liouville gravity, *Theor. and Math. Phys.* 154 454 (2008), arXiv:0707.1664 [hep-th].
2388. 2. D. Harlow, J. Maltz, E. Witten, Analytic Continuation of Liouville Theory, *JHEP* 12 (2011) 71, arXiv:1108.4417.
2389. 3. G. Giribet, The timelike Liouville three-point function, *Phys. Rev. D* 85, Issue 8 (2012) , Article n. 086009, arXiv:1110.6118.
2390. 4. J. Maltz, Towards String Theory models of DeSitter Space and early Universe Cosmology **PhD** thesis, arXiv:1309.2356 [hep-th].
2391. 5. C. M. Bender, D. W. Hook, N.E. Mavromatos, S. Sarkar, Infinite Class of PT -Symmetric Theories from One Timelike Liouville Lagrangian, *Phys.Rev.Lett.* 113 (2014) 23, 231605.

Ref. 51: [4]

2392. 1. K. Hosomichi, Minimal Open Strings, *JHEP* 06 (2008) 029, arXiv:0804.4721 [hep-th].
2393. 2. J.-E. Bourguine, Boundary changing operators in the $O(n)$ matrix model, Boundary changing operators in the $O(n)$ matrix model, *JHEP* (2009) 020, arXiv:0904.2297 [hep-th].
2394. 3. J.-E. Bourguine, K. Hosomichi, I. Kostov, Boundary transitions of the $O(n)$ model on a dynamical lattice. *Nucl. Phys. B* 832 (2010) 462-499, arXiv:0910.1581 [hep-th].
2395. 4. J.-E. Bourguine, Modèles de matrices et problèmes de bord dans la gravité de Liouville, **PhD** thesis (2010), Université d'Orsay-Paris Sud XI et IPT-CEA Saclay.

Ref. 53: [12]

2396. 1. N. Drukker, D. Gaiotto, J. Gomis, The virtue of defects in 4D gauge theories and 2D CFTs, *JHEP* 06 (2011) 025, arXiv:1003.1112 [hep-th].
2397. 2. L. Hadasz, Z. Jaskolski, P. Suchanek, Proving the AGT relation for $N_f = 0, 1, 2$ antifundamentals. *JHEP* 06 (2010) 046, arXiv:1004.1841 [hep-th].
2398. 3. D. Nanopoulos, D. Xie, Hitchin equation, irregular singularity, and $N = 2$ asymptotically free theories, arXiv:1005.1350 [hep-th].
2399. 4. D. Nanopoulos, D. Xie, $N = 2$ Generalized Superconformal Quiver Gauge Theory, *JHEP* 09 (2012) 127, arXiv:1006.3486 [hep-th].
2400. 5. S. Kanno, Yu. Matsuo, S. Shiba, Analysis of correlation functions in Toda theory and AGT-W relation for $SU(3)$ quiver, *Phys. Rev. D* 82, 066009 (2010), arXiv:1007.0601 [hep-th].
2401. 6. J. Fuchs, Ch. Schweigert, C. Stigner, The classifying algebra for defects, *Nucl. Phys. B* 843 (3) 673, arXiv:1007.0401.
2402. 7. J. Gomis, B. Le Floch, 't Hooft Operators in Gauge Theory from Toda CFT, *JHEP*, 11 (2011) 114, arXiv:1008.4139 [hep-th].
2403. 8. G. Sarkissian, Some remarks on D-branes and defects in Liouville and Toda field theories, *Int. J. of Mod. Phys. A*, Vol. 27, (2012), 1250181, arXiv:1108.0242 [hep-th].
2404. 9. J. Fjelstad, J. Fuchs, C. Stigner, RCFT with defects: Factorization and fundamental world sheets, *Nucl.Phys. B* 863 (2012) 213, arXiv:1202.3929 [hep-th].
2405. 10. S. Elitzur, B. Karni, E. Rabinovici, G. Sarkissian, Defects, Super-Poincaré line bundle and Fermionic T-duality, *JHEP* 04 (2013) 088, arXiv:1301.6639.
2406. 11. M. Bullimore, Defect Networks and Supersymmetric Loop Operators arXiv:1312.5001 [hep-th].

2407. 12. T. Okuda, Line operators in supersymmetric gauge theories and the 2d-4d relation, arXiv:1412.7126 [hep-th]

Ref. 54: [2]

2408. 1. Y. Kazama, Sh. Komatsu, Wave functions and correlation functions for GKP strings from integrability, JHEP 09 (2012) 022, arXiv:1205.6060.

2409. 2. Z. Bajnok, R.A. Janik, A.Wereszczynski, HHL correlators, orbit averaging and form factors JHEP 09 (2014) 50, arXiv:1404.4556 [hep-th]