

Giovanni Felder, ETH Zurich

LIST OF PUBLICATIONS

- [1] Giovanni Felder, David Kazhdan, and Alexander Polishchuk, *Regularity of the superstring supermeasure and the superperiod map*, Selecta Math. (N.S.) **28** (2022), no. 1, Paper No. 17, 64, DOI 10.1007/s00029-021-00727-1. MR4353503
- [2] Giovanni Felder, *Derived representation schemes and supersymmetric gauge theory*, Homotopy algebras, deformation theory and quantization, Banach Center Publ., vol. 123, Polish Acad. Sci. Inst. Math., Warsaw, 2021, pp. 9–35, DOI 10.4064/bc123-1. MR4276042
- [3] Giovanni Felder and Muze Ren, *Quantum groups for restricted SOS models*, SIGMA Symmetry Integrability Geom. Methods Appl. **17** (2021), Paper No. 005, 26, DOI 10.3842/SIGMA.2021.005. MR4198584
- [4] Giovanni Felder, *Poncelet property and quasi-periodicity of the integrable Boltzmann system*, Lett. Math. Phys. **111** (2021), no. 1, Paper No. 12, 19, DOI 10.1007/s11005-020-01348-z. MR4212874
- [5] Giovanni Felder and Gabriele Rembado, *Singular modules for affine Lie algebras, and applications to irregular WZNW conformal blocks* (2020), available at <https://arxiv.org/abs/2012.14793>.
- [6] Giovanni Felder, David Kazhdan, and Alexander Polishchuk, *The moduli space of stable supercurves and its canonical line bundle* (2020), available at <https://arxiv.org/abs/2006.13271>.
- [7] Giovanni Felder, Richárd Rimányi, and Alexander Varchenko, *Elliptic dynamical quantum groups and equivariant elliptic cohomology*, SIGMA Symmetry Integrability Geom. Methods Appl. **14** (2018), 132, 41 pages, DOI 10.3842/SIGMA.2018.132. MR3893437
- [8] Giovanni Felder and Martin Müller-Lennert, *Analyticity of Nekrasov Partition Functions*, Comm. Math. Phys. **364** (2018), no. 2, 683–718, DOI 10.1007/s00220-018-3270-1. MR3869441
- [9] Giovanni Felder and David Kazhdan, *Regularization of divergent integrals*, Selecta Math. (N.S.) **24** (2018), no. 1, 157–186, DOI 10.1007/s00029-017-0323-9. MR3769729
- [10] ———, *Divergent integrals, residues of Dolbeault forms, and asymptotic Riemann mappings*, Int. Math. Res. Not. IMRN **19** (2017), 5897–5918. MR3741885
- [11] Giovanni Felder and Huafeng Zhang, *Baxter operators and asymptotic representations*, Selecta Math. (N.S.) **23** (2017), no. 4, 2947–2975, DOI 10.1007/s00029-017-0320-z. MR3703471
- [12] Yuri Berest, Giovanni Felder, Sasha Patotski, Ajay C. Ramadoss, and Thomas Willwacher, *Representation homology, Lie algebra cohomology and the derived Harish-Chandra homomorphism*, J. Eur. Math. Soc. (JEMS) **19** (2017), no. 9, 2811–2893, DOI 10.4171/JEMS/729. MR3692888
- [13] ———, *Chern-Simons forms and higher character maps of Lie representations*, Int. Math. Res. Not. IMRN **1** (2017), 158–212. MR3632101
- [14] Leonardo Aguirre, Giovanni Felder, and Alexander P. Veselov, *Gaudin subalgebras and wonderful models*, Selecta Math. (N.S.) **22** (2016), no. 3, 1057–1071, DOI 10.1007/s00029-015-0213-y. MR3518545
- [15] Giovanni Felder and Thomas Willwacher, *Jointly orthogonal polynomials*, J. Lond. Math. Soc. (2) **91** (2015), no. 3, 750–768, DOI 10.1112/jlms/jdv006. MR3355124
- [16] Giovanni Felder and David Kazhdan, *The classical master equation*, Perspectives in representation theory, Contemp. Math., vol. 610, Amer. Math. Soc., Providence, RI, 2014, pp. 79–137, DOI 10.1090/conm/610/12124. With an appendix by Tomer M. Schlank. MR3220627
- [17] Yuri Berest, Giovanni Felder, and Ajay Ramadoss, *Derived representation schemes and noncommutative geometry*, Expository lectures on representation theory, Contemp. Math., vol. 607, Amer. Math. Soc., Providence, RI, 2014, pp. 113–162, DOI 10.1090/conm/607/12078. MR3204869
- [18] Giovanni Felder, *The dynamical Yang-Baxter equation, representation theory, and quantum integrable systems (Book review of MR2142557)*, Bull. Amer. Math. Soc. (N.S.) **50** (2013), no. 1, 181–186, DOI 10.1090/S0273-0979-2012-01367-8. MR2995002
- [19] Giovanni Felder, Adrian D. Hemery, and Alexander P. Veselov, *Zeros of Wronskians of Hermite polynomials and Young diagrams*, Physica D **241** (2012), no. 23–24, 2131–2137.
- [20] Alberto S. Cattaneo, Giovanni Felder, and Thomas Willwacher, *The character map in deformation quantization*, Adv. Math. **228** (2011), no. 4, 1966–1989, DOI 10.1016/j.aim.2011.06.026. MR2836111
- [21] Leonardo Aguirre, Giovanni Felder, and Alexander P. Veselov, *Gaudin subalgebras and stable rational curves*, Compos. Math. **147** (2011), no. 5, 1463–1478, DOI 10.1112/S0010437X11005306. MR2834729

- [22] Damien Calaque, Giovanni Felder, and Carlo A. Rossi, *Deformation quantization with generators and relations*, J. Algebra **337** (2011), 1–12, DOI 10.1016/j.jalgebra.2011.03.037. MR2796061
- [23] Damien Calaque, Giovanni Felder, Andrea Ferrario, and Carlo A. Rossi, *Bimodules and branes in deformation quantization*, Compos. Math. **147** (2011), no. 1, 105–160, DOI 10.1112/S0010437X10004847. MR2771128
- [24] Pavel Etingof, Giovanni Felder, Xiaoguang Ma, and Alexander Veselov, *On elliptic Calogero-Moser systems for complex crystallographic reflection groups*, J. Algebra **329** (2011), 107–129, DOI 10.1016/j.jalgebra.2010.04.011. MR2769318
- [25] Alberto S. Cattaneo and Giovanni Felder, *Effective Batalin-Vilkovisky theories, equivariant configuration spaces and cyclic chains*, Higher structures in geometry and physics, Progr. Math., vol. 287, Birkhäuser/Springer, New York, 2011, pp. 111–137. MR2762542 (2011k:53129)
- [26] Alberto S. Cattaneo, Benoit Dherin, and Giovanni Felder, *Formal Lagrangian operad*, Int. J. Math. Math. Sci., posted on 2010, Art. ID 643605, 36, DOI 10.1155/2010/643605. MR2753638 (2012e:53188)
- [27] Giovanni Felder and Xiang Tang, *Equivariant Lefschetz number of differential operators*, Math. Z. **266** (2010), no. 2, 451–470, DOI 10.1007/s00209-009-0579-7. MR2678638
- [28] Giovanni Felder and Thomas Willwacher, *On the (ir)rationality of Kontsevich weights*, Int. Math. Res. Not. IMRN **4** (2010), 701–716. MR2595009
- [29] Alberto Sergio Cattaneo, Giovanni Felder, and Thomas Willwacher, *On  $L_\infty$ -morphisms of cyclic chains*, Lett. Math. Phys. **90** (2009), no. 1-3, 85–101, DOI 10.1007/s11005-009-0338-z. MR2565035
- [30] Giovanni Felder and Alexander P. Veselov, *Baker-Akhiezer function as iterated residue and Selberg-type integral*, Glasg. Math. J. **51** (2009), no. A, 59–73. MR2481225
- [31] Horst Alzer and Giovanni Felder, *A Turán-type inequality for the gamma function*, J. Math. Anal. Appl. **350** (2009), no. 1, 276–282. MR2476910
- [32] Markus Engeli and Giovanni Felder, *A Riemann-Roch-Hirzebruch formula for traces of differential operators*, Annales scientifiques de l’ENS **41** (2008), no. 4, 623–655.
- [33] Giovanni Felder and Carlo A. Rossi, *Differential operators on toric varieties and Fourier transform*, Selecta Math. (N.S.) **13** (2008), no. 4, 601–615. MR2403305 (2009b:16057)
- [34] Giovanni Felder, André Henriques, Carlo A. Rossi, and Chenchang Zhu, *A gerbe for the elliptic gamma function*, Duke Math. J. **141** (2008), no. 1, 1–74. MR2372147
- [35] G. Felder, R. Rimányi, and A. Varchenko, *Poincaré-Birkhoff-Witt expansions of the canonical elliptic differential form*, Quantum groups, Contemp. Math., vol. 433, Amer. Math. Soc., Providence, RI, 2007, pp. 191–208. MR2349623
- [36] Giovanni Felder and Alexander P. Veselov, *Polynomial solutions of the Knizhnik-Zamolodchikov equations and Schur-Weyl duality*, Int. Math. Res. Not. IMRN **15** (2007), Art. ID rnm046, 21. MR2348644
- [37] Giovanni Felder, *The work of Andrei Okounkov*, International Congress of Mathematicians. Vol. I, Eur. Math. Soc., Zürich, 2007, pp. 55–64. MR2334183
- [38] Alberto S. Cattaneo and Giovanni Felder, *Relative formality theorem and quantisation of coisotropic submanifolds*, Adv. Math. **208** (2007), no. 2, 521–548. MR2304327 (2008b:53119)
- [39] Giovanni Felder and Alexander Varchenko, *Multiplication formulae for the elliptic gamma function*, Noncommutative geometry and representation theory in mathematical physics, Contemp. Math., vol. 391, Amer. Math. Soc., Providence, RI, 2005, pp. 69–73. MR2184012 (2006j:33028)
- [40] Peter Elbau and Giovanni Felder, *Density of eigenvalues of random normal matrices*, Comm. Math. Phys. **259** (2005), no. 2, 433–450. MR2172690 (2006i:82034)
- [41] Boris Feigin, Giovanni Felder, and Boris Shoikhet, *Hochschild cohomology of the Weyl algebra and traces in deformation quantization*, Duke Math. J. **127** (2005), no. 3, 487–517. MR2132867 (2006j:16015)
- [42] Giovanni Felder and Alexander Varchenko, *Even powers of divisors and elliptic zeta values*, J. Reine Angew. Math. **579** (2005), 195–201. MR2124024 (2006i:11098)
- [43] G. Felder and A. P. Veselov, *Coxeter group actions on the complement of hyperplanes and special involutions*, J. Eur. Math. Soc. (JEMS) **7** (2005), no. 1, 101–116. MR2120992 (2006c:20082)
- [44] Alberto S. Cattaneo, Benoit Dherin, and Giovanni Felder, *Formal symplectic groupoid*, Comm. Math. Phys. **253** (2005), no. 3, 645–674. MR2116732 (2005m:58039)
- [45] Alberto S. Cattaneo and Giovanni Felder, *Coisotropic submanifolds in Poisson geometry and branes in the Poisson sigma model*, Lett. Math. Phys. **69** (2004), 157–175. MR2104442 (2005m:81285)

- [46] Giovanni Felder and Roman Riser, *Holomorphic matrix integrals*, Nuclear Phys. B **691** (2004), no. 3, 251–258. MR2071307 (2006b:81312)
- [47] Giovanni Felder and Alexander Varchenko, *Hypergeometric theta functions and elliptic Macdonald polynomials*, Int. Math. Res. Not. **21** (2004), 1037–1055. MR2037048 (2005b:33015)
- [48] G. Felder and A. P. Veselov, *Action of Coxeter groups on  $m$ -harmonic polynomials and Knizhnik-Zamolodchikov equations*, Mosc. Math. J. **3** (2003), no. 4, 1269–1291 (English, with English and Russian summaries). MR2058799 (2005g:32016)
- [49] G. Felder, L. Stevens, and A. Varchenko, *Modular transformations of the elliptic hypergeometric functions, Macdonald polynomials, and the shift operator*, Mosc. Math. J. **3** (2003), no. 2, 457–473, 743 (English, with English and Russian summaries). Dedicated to Vladimir I. Arnold on the occasion of his 65th birthday. MR2025269 (2005h:33035)
- [50] ———, *Elliptic Selberg integrals and conformal blocks*, Math. Res. Lett. **10** (2003), no. 5-6, 671–684. MR2024724 (2004i:32024)
- [51] Alberto S. Cattaneo, Giovanni Felder, and Lorenzo Tomassini, *From local to global deformation quantization of Poisson manifolds*, Duke Math. J. **115** (2002), no. 2, 329–352. MR1944574 (2004a:53114)
- [52] Giovanni Felder and Alexander Varchenko,  *$q$ -deformed KZB heat equation: completeness, modular properties and  $\mathrm{SL}(3, \mathbb{Z})$* , Adv. Math. **171** (2002), no. 2, 228–275. MR1936497 (2003k:32026)
- [53] Alberto S. Cattaneo, Giovanni Felder, and Lorenzo Tomassini, *Fedosov connections on jet bundles and deformation quantization*, Deformation quantization (Strasbourg, 2001), IRMA Lect. Math. Theor. Phys., vol. 1, de Gruyter, Berlin, 2002, pp. 191–202. MR1914788 (2003d:53161)
- [54] Giovanni Felder, Jürg Fröhlich, Jürgen Fuchs, and Christoph Schweigert, *Correlation functions and boundary conditions in rational conformal field theory and three-dimensional topology*, Compositio Math. **131** (2002), no. 2, 189–237. MR1898435 (2003e:57051)
- [55] Alberto S. Cattaneo and Giovanni Felder, *On the globalization of Kontsevich’s star product and the perturbative Poisson sigma model*, Progr. Theoret. Phys. Suppl. **144** (2001), 38–53. Noncommutative geometry and string theory (Yokohama, 2001). MR2023844 (2004i:53130)
- [56] ———, *Poisson sigma models and symplectic groupoids*, Quantization of singular symplectic quotients, Progr. Math., vol. 198, Birkhäuser, Basel, 2001, pp. 61–93. MR1938552 (2003h:53116)
- [57] ———, *On the AKSZ formulation of the Poisson sigma model*, Lett. Math. Phys. **56** (2001), no. 2, 163–179. EuroConférence Moshé Flato 2000, Part II (Dijon). MR1854134 (2002i:53121)
- [58] G. Felder and A. Varchenko, *Special functions, conformal blocks, Bethe ansatz and  $\mathrm{SL}(3, \mathbb{Z})$* , R. Soc. Lond. Philos. Trans. Ser. A Math. Phys. Eng. Sci. **359** (2001), no. 1784, 1365–1373. Topological methods in the physical sciences (London, 2000). MR1853625 (2002h:33016)
- [59] Giovanni Felder and Alexander Varchenko, *The  $q$ -deformed Knizhnik-Zamolodchikov-Bernard heat equation*, Comm. Math. Phys. **221** (2001), no. 3, 549–571. MR1852053 (2003g:32026)
- [60] Alberto S. Cattaneo and Giovanni Felder, *Poisson sigma models and deformation quantization*, Modern Phys. Lett. A **16** (2001), no. 4-6, 179–189. Euroconference on Brane New World and Noncommutative Geometry (Torino, 2000). MR1832088 (2002c:81099)
- [61] Giovanni Felder and Alexander Varchenko, *The elliptic gamma function and  $\mathrm{SL}(3, \mathbb{Z}) \ltimes \mathbb{Z}^3$* , Adv. Math. **156** (2000), no. 1, 44–76. MR1800253 (2002e:11058)
- [62] Giovanni Felder and Boris Shoikhet, *Deformation quantization with traces*, Lett. Math. Phys. **53** (2000), no. 1, 75–86. MR1799844 (2001k:53176)
- [63] G. Felder, Y. Markov, V. Tarasov, and A. Varchenko, *Differential equations compatible with KZ equations*, Math. Phys. Anal. Geom. **3** (2000), no. 2, 139–177. MR1797943 (2002e:17032)
- [64] B. Enriquez and G. Felder, *Commuting differential and difference operators associated to complex curves. I*, Compositio Math. **124** (2000), no. 1, 17–56. MR1797652 (2002b:32027)
- [65] Alberto S. Cattaneo and Giovanni Felder, *A path integral approach to the Kontsevich quantization formula*, Comm. Math. Phys. **212** (2000), no. 3, 591–611. MR1779159 (2002b:53141)
- [66] Giovanni Felder, Jürg Fröhlich, Jürgen Fuchs, and Christoph Schweigert, *The geometry of WZW branes*, J. Geom. Phys. **34** (2000), no. 2, 162–190. MR1754537 (2001k:81265)
- [67] ———, *Conformal boundary conditions and three-dimensional topological field theory*, Phys. Rev. Lett. **84** (2000), no. 8, 1659–1662. MR1743558 (2001f:81174)
- [68] G. Felder, V. Tarasov, and A. Varchenko, *Monodromy of solutions of the elliptic quantum Knizhnik-Zamolodchikov-Bernard difference equations*, Internat. J. Math. **10** (1999), no. 8, 943–975. MR1739369 (2001b:32029)
- [69] Giovanni Felder and Anke Schorr, *Separation of variables for quantum integrable systems on elliptic curves*, J. Phys. A **32** (1999), no. 46, 8001–8022. MR1731957 (2001g:37125)

- [70] G. Felder and A. Varchenko, *Resonance relations for solutions of the elliptic QKZB equations, fusion rules, and eigenvectors of transfer matrices of restricted interaction-round-a-face models*, Commun. Contemp. Math. **1** (1999), no. 3, 335–403. MR1707888 (2000j:81241)
- [71] B. Enriquez and G. Felder, *Coinvariants for Yangian doubles and quantum Knizhnik-Zamolodchikov equations*, Internat. Math. Res. Notices **2** (1999), 81–104. MR1670184 (2000j:32025)
- [72] A. N. Varchenko and Dzh. Felder, *Algebraic integrability of the two-particle Ruijsenaars operator*, Funktsional. Anal. i Prilozhen. **32** (1998), no. 2, 8–25, 95 (Russian, with Russian summary); English transl., Funct. Anal. Appl. **32** (1998), no. 2, 81–92. MR1647820 (2000a:37070)
- [73] B. Enriquez and G. Felder, *Elliptic quantum groups  $E_{\tau,\eta}(\mathfrak{sl}_2)$  and quasi-Hopf algebras*, Comm. Math. Phys. **195** (1998), no. 3, 651–689. MR1641023 (99m:17017)
- [74] Giovanni Felder, *The KZB equations on Riemann surfaces*, Symétries quantiques (Les Houches, 1995), North-Holland, Amsterdam, 1998, pp. 687–725. MR1616332 (2001a:32021)
- [75] B. Enriquez and G. Felder, *A construction of Hopf algebra cocycles for the Yangian double  $DY(\mathfrak{sl}_2)$* , J. Phys. A **31** (1998), no. 10, 2401–2413. MR1629426 (99f:17015)
- [76] G. Felder, V. Tarasov, and A. Varchenko, *Solutions of the elliptic qKZB equations and Bethe ansatz. I*, Topics in singularity theory, Amer. Math. Soc. Transl. Ser. 2, vol. 180, Amer. Math. Soc., Providence, RI, 1997, pp. 45–75. MR1767112 (2001g:17026)
- [77] Giovanni Felder and Alexander Varchenko, *Elliptic quantum groups and Ruijsenaars models*, J. Statist. Phys. **89** (1997), no. 5–6, 963–980. MR1606760 (2000d:82015)
- [78] ———, *Three formulae for eigenfunctions of integrable Schrödinger operators*, Compositio Math. **107** (1997), no. 2, 143–175. MR1458747 (99a:17010)
- [79] ———, *Algebraic Bethe ansatz for the elliptic quantum group  $E_{\tau,\eta}(\mathfrak{sl}_2)$* , Nuclear Phys. B **480** (1996), no. 1–2, 485–503. MR1421711 (98b:82024)
- [80] ———, *On representations of the elliptic quantum group  $E_{\tau,\eta}(\mathfrak{sl}_2)$* , Comm. Math. Phys. **181** (1996), no. 3, 741–761. MR1414309 (98b:17014)
- [81] G. Felder and A. Varchenko, *Remarks on the structure constants of the Verlinde algebra associated to  $\mathfrak{sl}_3$* , Lett. Math. Phys. **37** (1996), no. 2, 167–172. MR1391198 (97d:17006)
- [82] Giovanni Felder and Christian Wieczkowski, *Conformal blocks on elliptic curves and the Knizhnik-Zamolodchikov-Bernard equations*, Comm. Math. Phys. **176** (1996), no. 1, 133–161. MR1372821 (97g:32019)
- [83] Giovanni Felder, *Conformal field theory and integrable systems associated to elliptic curves*, International Congress of Mathematicians (Zürich, 1994), Birkhäuser, Basel, 1995, pp. 1247–1255. MR1404026 (97m:81015)
- [84] ———, *Elliptic quantum groups*, XIth International Congress of Mathematical Physics (Paris, 1994), Int. Press, Cambridge, MA, 1995, pp. 211–218. MR1370676 (96j:17012)
- [85] Giovanni Felder and Alexander Varchenko, *Integral representation of solutions of the elliptic Knizhnik-Zamolodchikov-Bernard equations*, Internat. Math. Res. Notices **5** (1995), 221–233. MR1333749 (96g:32040)
- [86] G. Felder and C. Wieczkowski, *The Knizhnik-Zamolodchikov-Bernard equation on the torus*, (Vancouver, BC, 1993), CRM Proc. Lecture Notes, vol. 7, Amer. Math. Soc., Providence, RI, 1994, pp. 211–219. MR1311041
- [87] V. M. Buchstaber, G. Felder, and A. P. Veselov, *Elliptic Dunkl operators, root systems, and functional equations*, Duke Math. J. **76** (1994), no. 3, 885–911. MR1309335 (96b:39014)
- [88] Giovanni Felder and Vincent Pasquier, *A simple construction of elliptic R-matrices*, Lett. Math. Phys. **32** (1994), no. 2, 167–171. MR1296385 (95i:81106)
- [89] Giovanni Felder and Alexander P. Veselov, *Shift operators for the quantum Calogero-Sutherland problems via Knizhnik-Zamolodchikov equation*, Comm. Math. Phys. **160** (1994), no. 2, 259–273. MR1262197 (95m:58074)
- [90] M. Crivelli, G. Felder, and C. Wieczkowski, *Topological representations of  $U_q(\mathfrak{sl}_2(\mathbb{C}))$  on the torus and the mapping class group*, Lett. Math. Phys. **30** (1994), no. 1, 71–85. MR1259198 (95g:81075)
- [91] G. Felder and O. Grandjean, *On combinatorial three-manifold invariants*, Low-dimensional topology and quantum field theory (Cambridge, 1992), NATO Adv. Sci. Inst. Ser. B Phys., vol. 315, Plenum, New York, 1993, pp. 31–50. MR1263969 (95f:57036)
- [92] G. Felder, *Topological representations of quantum groups and conformal field theory*, J. Geom. Phys. **11** (1993), no. 1–4, 397–407. Infinite-dimensional geometry in physics (Karpacz, 1992). MR1230438 (94e:81279)
- [93] A. H. Chamseddine, G. Felder, and J. Fröhlich, *Gravity in noncommutative geometry*, Comm. Math. Phys. **155** (1993), no. 1, 205–217. MR1228535 (94g:58019)

- [94] M. Crivelli, G. Felder, and C. Wieczerkowski, *Generalized hypergeometric functions on the torus and the adjoint representation of  $U_q(\mathfrak{sl}_2)$* , Comm. Math. Phys. **154** (1993), no. 1, 1–23. MR1220944 (94j:33028)
- [95] A. H. Chamseddine, G. Felder, and J. Fröhlich, *Grand unification in noncommutative geometry*, Nuclear Phys. B **395** (1993), no. 3, 672–698. MR1218580 (95b:81235)
- [96] G. Felder and C. Wieczerkowski, *Fock space representations of  $A_1^{(1)}$  and topological representations of  $U_q(\mathfrak{sl}_2)$* , New symmetry principles in quantum field theory (Cargèse, 1991), NATO Adv. Sci. Inst. Ser. B Phys., vol. 295, Plenum, New York, 1992, pp. 513–521. MR1204472 (94b:17041)
- [97] A. H. Chamseddine, G. Felder, and J. Fröhlich, *Unified gauge theories in noncommutative geometry*, Phys. Lett. B **296** (1992), no. 1-2, 109–116. MR1195070 (94m:46110)
- [98] G. Felder and A. LeClair, *Restricted quantum affine symmetry of perturbed minimal conformal models*, Infinite analysis, Part A, B (Kyoto, 1991), Adv. Ser. Math. Phys., vol. 16, World Sci. Publ., River Edge, NJ, 1992, pp. 239–278. MR1187551 (93i:81226)
- [99] G. Felder and R. Silvotti, *Conformal blocks of minimal models on a Riemann surface*, Comm. Math. Phys. **144** (1992), no. 1, 17–40. MR1151244 (93i:81227)
- [100] Denis Bernard and Giovanni Felder, *Quantum group symmetries in two-dimensional lattice quantum field theory*, Nuclear Phys. B **365** (1991), no. 1, 98–120. MR1132374 (92i:81123)
- [101] G. Felder and C. Wieczerkowski, *Topological representations of the quantum group  $U_q(\mathfrak{sl}_2)$* , Comm. Math. Phys. **138** (1991), no. 3, 583–605. MR1110457 (93c:17024)
- [102] G. Felder, *Minimal models on a Riemann surface*, Recent developments in conformal field theories (Trieste, 1989), World Sci. Publ., River Edge, NJ, 1990, pp. 110–124. MR1160368
- [103] G. Felder, J. Fröhlich, and G. Keller, *On the structure of unitary conformal field theory. II. Representation-theoretic approach*, Comm. Math. Phys. **130** (1990), no. 1, 1–49. MR1055683 (91f:81177)
- [104] D. Bernard and G. Felder, *Fock representations and BRST cohomology in  $\mathrm{SL}(2)$  current algebra*, Comm. Math. Phys. **127** (1990), no. 1, 145–168. MR1036119 (91g:17022)
- [105] G. Felder and R. Silvotti, *Free field representation of minimal models on a Riemann surface*, Phys. Lett. B **231** (1989), no. 4, 411–416. MR1031219 (91d:81125)
- [106] G. Felder, *Erratum: “BRST approach to minimal models” [Nuclear Phys. B **317** (1989), no. 1, 215–236; MR0995219 (90c:81174)]*, Nuclear Phys. B **324** (1989), no. 2, 548. MR1025429 (90m:81104)
- [107] G. Felder, J. Fröhlich, and G. Keller, *Braid matrices and structure constants for minimal conformal models*, Comm. Math. Phys. **124** (1989), no. 4, 647–664. MR1014118 (91f:81178)
- [108] ———, *On the structure of unitary conformal field theory. I. Existence of conformal blocks*, Comm. Math. Phys. **124** (1989), no. 3, 417–463. MR1012633 (91f:81176)
- [109] G. Felder and R. Silvotti, *Modular covariance of minimal model correlation functions*, Comm. Math. Phys. **123** (1989), no. 1, 1–15. MR1002030 (90i:81116)
- [110] Giovanni Felder, *BRST approach to minimal models*, Nuclear Phys. B **317** (1989), no. 1, 215–236. MR0995219 (90c:81174)
- [111] G. Felder, *The Wess-Zumino-Witten model in the Schrödinger representation*, Nuclear Phys. B Proc. Suppl. **5B** (1988), 98–101. Conformal field theories and related topics (Annecy-le-Vieux, 1988). MR1002960 (90e:81176)
- [112] G. Felder, K. Gawędzki, and A. Kupiainen, *Spectra of Wess-Zumino-Witten models with arbitrary simple groups*, Comm. Math. Phys. **117** (1988), no. 1, 127–158. MR946997 (89k:81077)
- [113] ———, *The spectrum of Wess-Zumino-Witten models*, Nuclear Phys. B **299** (1988), no. 2, 355–366. MR929568 (89c:22031)
- [114] F. Constantinescu, G. Felder, K. Gawędzki, and A. Kupiainen, *Analyticity of density of states in a gauge-invariant model for disordered electronic systems*, J. Statist. Phys. **48** (1987), no. 3-4, 365–391. MR914889 (90g:82060)
- [115] Giovanni Felder, *Renormalization group in the local potential approximation*, Comm. Math. Phys. **111** (1987), no. 1, 101–121. MR896762 (88m:82013)
- [116] ———, *Renormalization group, tree expansion, and nonrenormalizable quantum field theories*, Dissertation ETH, vol. 7982, Eidgenössische Technische Hochschule Zürich, Zürich, 1986. Dissertation, Swiss Federal Institute of Technology, Zürich, 1986; With an Italian summary. MR1028062 (91f:81115)
- [117] ———, *A nonrenormalizable planar field theory*, Stochastic processes in classical and quantum systems (Ascona, 1985), Lecture Notes in Phys., vol. 262, Springer, Berlin, 1986, pp. 246–255. MR870177 (87m:81140)
- [118] Giovanni Felder and Giovanni Gallavotti, *Perturbation theory and nonrenormalizable scalar fields*, Comm. Math. Phys. **102** (1986), no. 4, 549–571. MR824091 (87h:81150)

- [119] Giovanni Felder, *Construction of a nontrivial planar field theory with ultraviolet stable fixed point*, Comm. Math. Phys. **102** (1985), no. 1, 139–155. MR817292 (87b:81095)
- [120] G. Felder and J. Fröhlich, *Intersection properties of simple random walks: a renormalization group approach*, Comm. Math. Phys. **97** (1985), no. 1-2, 111–124. MR782961 (87c:82028)
- [121] Anton Bovier and Giovanni Felder, *Skeleton inequalities and the asymptotic nature of perturbation theory for  $\Phi^4$ -theories in two and three dimensions*, Comm. Math. Phys. **93** (1984), no. 2, 259–275. MR742195 (86g:81133)
- [122] A. Bovier, G. Felder, and J. Fröhlich, *On the critical properties of the Edwards and the self-avoiding walk model of polymer chains*, Nuclear Phys. B **230** (1984), no. 1, FS10, 119–147. MR729794 (86i:81074)