

## Publications (Research Papers only)

(References [26], [33], [35]. [59] are reviews or lecture notes containing also original research work not published elsewhere.)

- [1] H.Saleur and B.Derrida, "A combination of Monte carlo and transfer matrix methods to study 2d and 3d percolation", *J.Physique* **46** (1985), 1043–1047
- [2] H.Saleur, "F model type phase transition in the 2d Flory model of polymer melting", *J.Phys.***A19** (1986), 2409–2423
- [3] B.Derrida and H.Saleur, "Collapse of two dimensional linear polymers:a transfer matrix calculation of the exponent  $\nu_t$ ", *J.Phys.***A18** (1985), L1075–L1079
- [4] H.Saleur and B.Derrida, "Transfer matrix calculation of the exponent  $\gamma$  for two dimensional self avoiding walks", *J.Stat.Phys.* **44** (1986), 225–235
- [5] H.Saleur, "Collapse of two dimensional linear polymers", *J.Stat.Phys.* **45** (1986), 419–438
- [6] H.Saleur, "Conformal invariance for polymers and percolation", *J.Phys.* **A20** (1987), 455–470
- [7] C.Itzykson, H.Saleur and J.B.Zuber, "Conformal invariance for non unitary 2d models", *Europhys.Lett.* **2** (1986), 91–96
- [8] J.Lebowitz, H.Saleur, "Percolation in strongly correlated systems", *Physica* **A138** (1986), 194–205
- [9] H.Saleur, "New exact critical exponents for 2d self avoiding walks", *J.Phys.***A19** (1986), L807–L810
- [10] B.Duplantier and H.Saleur, "Exact surface and wedge exponents for 2d self avoiding walks", *Phys.Rev.Lett.* **57** (1987), 3179
- [11] H.Saleur, "Magnetic properties of the 2d  $n = 0$  vector model", *Phys.Rev.* **B35** (1987), 3657–3660
- [12] H.Saleur and B.Duplantier, "Exact determination of the percolation hull exponent in 2d", *Phys. Rev. Lett.* **58** (1987), 2325–2328
- [13] P.Di Francesco, H.Saleur and J.B.Zuber, "Modular invariance in non minimal 2d conformal theories", *Nucl.Phys.* **B285** (1987), 454–480
- [14] H.Saleur and C.Itzykson, "Two dimensional field theories close to criticality", *J.Stat.Phys.* **48** (1987), 449–475
- [15] P.Di Francesco, H.Saleur and J.B.Zuber, "Relations between the Coulomb gas picture and conformal invariance of 2d critical models", *J.Stat.Phys.* **49** (1987), 57–79
- [16] H.Saleur, "Partition functions of the 2d Ashkin Teller model on the critical line", *J.Phys.* **A20** (1987), L1127–L1133
- [17] B.Duplantier and H.Saleur, "Exact critical properties of 2d dense self avoiding walks", *Nucl.Phys.* **B290** (1987), 291–326
- [18] B.Duplantier and H.Saleur, "Exact tricritical exponents for polymers at the theta point in 2d", *Phys. Rev. Lett.* **59** (1987), 539–542
- [19] P.Di Francesco, H.Saleur and J.B.Zuber, "Correlations functions of the critical Ising model on a torus", *Europhys.Lett.* **5** (1988), 95–100
- [20] P.Di Francesco, H.Saleur and J.B.Zuber, "Critical Ising correlation functions in the plane and on the torus", *Nucl.Phys.* **B290** (1987), 527–581
- [21] H.Saleur, "Correlation functions of the critical Ashkin Teller model", *J.Stat.Phys.* **50** (1988), 475–508
- [22] B.Duplantier and H.Saleur, "Winding angle distribution for 2d self avoiding walks from conformal invariance", *Phys.Rev.Lett.* **60** (1988), 2343–2346
- [23] P.Di Francesco, H.Saleur and J.B.Zuber, "Generalized Coulomb gas formalism for 2d critical models based on  $SU(2)$  coset construction", *Nucl.Phys.* **B300** (1988), 393–432
- [24] H.Saleur and M.Bauer, "On some relations between local height probabilities and conformal invariance", *Nucl.Phys.* **B320** (1989), 591–624
- [25] H.Saleur, "Off critical integrable vertex models and conformal theories in finite geometries", *J.Phys.* **A22** (1988), L41–L48
- [26] V.Pasquier and H.Saleur, "Symmetry of the XXZ chain and quantum  $SU(2)$ ", in *Fields, Strings and Critical Phenomena, Ecole d'ete de Physique Theorique, Session XLIX, Les Houches*(1988)
- [27] B.Duplantier and H.Saleur, "Stability of the polymer theta point in 2d", *Phys.Rev.Lett.* **62** (1989), 1368–1371

- [28] M.Henkel and H.Saleur, "The 2d Ising model in a magnetic field: a numerical check of Zamolodchikov's conjecture", *J.Phys.* **A22** (1989), L513–L518
- [29] J.L.Cardy, H.Saleur, "Universal distance ratios for 2d polymers", *J.Phys.* **A22** (1989), L601–L604
- [30] V.Pasquier and H.Saleur, "Common structures between finite systems and conformal field theories through quantum groups", *Nucl.Phys.* **B330** (1990), 523–556
- [31] B.Duplantier and H.Saleur, "Exact fractal dimension of 2d Ising clusters", *Phys.Rev.Lett.* **63** (1989), 2536
- [32] M.Henkel and H.Saleur, "Remarks on the mass spectrum of non critical coset models from Toda theories", *J.Phys.* **A23** (1990), 791–808
- [33] H.Saleur, "Virasoro and Temperley Lieb algebras", in *Knots, Topology and Quantum Field Theory, Firenze* (1989)
- [34] H.Saleur, "Quantum osp(1/2) and solutions of the graded Yang Baxter equation", *Nucl.Phys.* **B336** (1990), 363–376
- [35] H.Saleur, "Symmetries of the XX chain and applications", in *Trieste conference on Recent developments in Conformal Field Theories* (1989)
- [36] H.Saleur, "Zeroes of chromatic polynomials: a new approach to Beraha conjecture using quantum groups", *Comm. Math. Phys.* **132** (1990), 657 – 679
- [37] H.Saleur and D.Altshuler, "Level rank duality in quantum groups", *Nucl.Phys.* **B354** (1991), 579–613
- [38] D.Altshuler, M.Bauer and H.Saleur, "Level rank duality in non unitary coset theories", *J.Phys.* **A23** (1990), L789–L793
- [39] L.Kauffman and H.Saleur, "Free fermions and the Conway Alexander polynomial", *Comm.Math.Phys.* **141** (1991), 293–327
- [40] H.Saleur, "The antiferromagnetic Potts model in two dimensions: Berker Kadanoff phases, antiferromagnetic transition and the role of Beraha numbers", *Nucl.Phys.* **B 360** (1991), 219 – 263
- [41] H.Saleur, " $c = 1 - 6(n - 1)^2/n$  theories coupled to gravity: their possible lattice models realizations", *J.Mod.Phys.* **A6** (1991), 1709–1719
- [42] L.Rozansky, H.Saleur, "Quantum Field Theory for the Multivariable Alexander Conway Polynomial", *Nucl.Phys.* **B376** (1991), 461–509
- [43] L.Kauffman, H.Saleur, "Free Fermions and Link Invariants", *Int. J. Mod. Phys.* (1992), 493–532 (1991)
- [44] F.Jaeger, L.Kauffman and H.Saleur, "The Conway polynomial in  $R^3$  and in thickened surfaces: a new determinant formulation", to appear in *J.Comb.Th.* **61** (1994), 237–259
- [45] L.Kauffman and H.Saleur, "An algebraic approach to the planar colouring problem", *Comm. Math. Phys.* **152** (1993), 565–590
- [46] H.Saleur, "Polymers and percolation in two dimensions and twisted N=2 supersymmetry", *Nucl. Phys.* **B382** (1992), 486–531
- [47] H.Saleur, "Geometrical lattice models for N=2 supersymmetric theories in two dimensions", *Nucl. Phys.* **B382**(1992), 532–560
- [48] L.Rozansky, H.Saleur, "S and T matrices for the  $U(1,1)$  WZW model: application to surgery and three manifold invariants based on the Alexander Conway polynomial", *Nucl. Phys.* **B389** (1993), 365–423
- [49] P.Fendley, H.Saleur, "N=2 Supersymmetry, Painleve III and Exact Scaling Functions in 2D Polymers", *Nucl. Phys.* **B388** (1993), 609–626
- [50] L.Rozansky, H.Saleur, "Reidemeister Torsion, the Alexander Polynomial and  $U(1,1)$  Chern Simons Theory", *J.Gem.Phys.* **13** (1994), 105–123
- [51] P.Martin, H.Saleur, "On an algebraic approach to non planar statistical mechanics", *Comm.Math.Phys.* **158** (1993) 155-190
- [52] W.M.Koo, H.Saleur, "Fused Potts models" *Int.Mod.J.Phys.* **A8** (1993), 5165–5233
- [53] P.Martin, H.Saleur, "Algebras in higher dimensional statistical mechanics - the exceptional partition algebra" *Lett.Math.Phys.* **30** (1994) 179–185
- [54] P.Martin, H.Saleur, "The blob algebra and the periodic Temperley Lieb algebra", *Lett.Math.Phys.* **30** (1994) 189–206
- [55] P.Fendley, H.Saleur, A.I.B.Zamolodchikov, "Massless flows I: the sine-Gordon and  $O(n)$  models", *Int.J. Mod. Phys.* **A32** (1993), 5717–5750

- [56] P.Fendley, H.Saleur, Al.B.Zamolodchikov, "Massless flows II: the exact  $S$  matrix approach", *Int.J. Mod. Phys. A* **32** (1993), 5717–5750
- [57] N.Yu.Reshetikhin, H.Saleur, "Lattice regularization of massive and massless integrable field theories", *Nucl. Phys. B* **419** (1994) 507–528
- [58] H.Saleur, "The winding angle distribution for Brownian and self avoiding walks revisited", *Phys. Rev. E* **50** (1994) 1123–1128
- [59] P.Fendley, H.Saleur, "Massless integrable quantum field theories and massless scattering in 1 + 1 dimensions", Proceedings on the Trieste Summer School in High Energy Physics and Cosmology, (1993), Gava et al. Eds., World Scientific
- [60] W.M.Koo, H.Saleur, "Representations of the Virasoro algebra from lattice models", *Nucl. Phys. B* **246** (1994), 459–504.
- [61] P.Fendley, H.Saleur, "Deriving boundary S-matrices", hep-th/9402045, *Nucl. Phys. B* **428** (1994), 681–693.
- [62] H.Saleur, S.Skorik, "Solution of the Thirring model with imaginary mass and massless scattering", hep-th/9403022, *Phys. Lett. B* **336** (1994) 205–212
- [63] P.Fendley, H.Saleur, "Exact theory of polymer adsorption in analogy with the Kondo problem", cond-mat/9403095, *J. Phys. A* **27** (1994) L789–L796
- [64] P.Fendley, H.Saleur, N.P.Warner, "Exact solution of a massless scalar field with a relevant boundary interaction", hep-th/9406125, *Nucl. Phys. B* **430** (1994), 577–596.
- [65] H.Saleur, S.Skorik, N.P.Warner, "The boundary sine-gordon theory: classical and semi-classical analysis", hep-th/9408004, *Nucl. Phys. B* **441** (1995), 421–436
- [66] P.Fendley, A.Ludwig, H.Saleur, "Exact Conductance through Point Contacts in the  $\nu = 1/3$  Fractional Quantum Hall Effect", cond-mat/9408068, *Phys. Rev. Lett.* **74** (1995), 3005–3008
- [67] P.Fendley, F.Lesage, H.Saleur, "Solving the 1d plasmas and 2d boundary problems using Jack polynomials and functional relations", cond-mat/9409176, *J. Stat. Phys.* **79** (1995), 799–819
- [68] S. Skorik, H. Saleur, "Boundary bound states and boundary bootstrap in the sine-Gordon model with Dirichlet boundary conditions", hep-th/9502011, *J. Phys. A* **28** (1995), 6605–6622
- [69] A. LeClair, G. Mussardo, H. Saleur, S. Skorik, "Boundary energy and boundary states in integrable quantum field theories", hep-th/9503227, *Nucl. Phys. B* **453** (1995), 581–618
- [70] P. Fendley, A. Ludwig, H. Saleur, "Exact non-equilibrium transport through point contacts in quantum wires and fractional quantum Hall devices", cond-mat/9503172, *Phys. Rev. B* **52** (1995), 8934–8950
- [71] H. Saleur, D. Sornette, "Complex exponents and log-periodic corrections in frustrated systems", *J. Physique* **16** (1996), 327–355
- [72] P. Fendley, A. Ludwig, H. Saleur, "Exact zero temperature DC shot noise in Luttinger liquids and quantum Hall devices", cond-mat/9505031, *Phys. Rev. Lett.* **75** (1995), 2196–2199
- [73] D. Sornette, A. Johansen, A. Arnéodo, H. Saleur, "A new complex fractal dimension describes the hierarchical internal structure of DLA clusters", *Phys. Rev. Lett.* **76** (1996), 251–254
- [74] P. Fendley, H. Saleur, "Exact perturbative solution of the Kondo problem", cond-mat/9506104, *Phys. Rev. Lett.* **75** (1995), 4492–4495
- [75] P. Fendley, F. Lesage, H. Saleur, "A unified framework for the Kondo problem and for an impurity in a Luttinger liquid", cond-mat/9510055, *J. Stat. Phys.* **85** (1996), 211–249
- [76] P. Fendley, H. Saleur, "Non-equilibrium DC noise in Luttinger liquids with impurity", cond-mat/960117, *Phys. Rev. B* **54** (1996), 10845–10854
- [77] F. Lesage, H. Saleur, S. Skorik, "Time correlations in 1D quantum impurity problems", cond-mat/9512087, *Phys. Rev. Lett.* **76** (1996), 3388–3391
- [78] F. Lesage, H. Saleur, S. Skorik, "Form factors approach to current correlations in one dimensional systems with impurities", cond-mat/96003043, *Nucl. Phys. B* **474** (1996), 602–640
- [79] A. Leclair, F. Lesage, S. Sachdev, H. Saleur, "Finite temperature correlations in the one dimensional quantum Ising model", cond-mat/9606104, *Nucl. Phys. B* **482** (1996), 579–612
- [80] A. Leclair, F. Lesage, H. Saleur, "Exact Friedel oscillations in the  $g = 1/2$  Luttinger liquid", cond-mat/9606124, *Phys. Rev. B* **54** (1996), 13597–13603
- [81] F. Lesage, H. Saleur, "Form-factors computation of Friedel oscillations in Luttinger liquids", cond-mat/9608112, *J. Phys. A* **30** (1997), L457–L463

- [82] F. Lesage, H. Saleur, “Correlations in one dimensional quantum impurity problems with an external field”, cond-mat/9611025, *Nucl. Phys.* **B490** (1997), 543–575
- [83] F. Lesage, H. Saleur, “Correlations in one dimensional quantum impurity problems with an external field or a temperature”, cond-mat/9612050, *Nucl. Phys.* **B493** (1997), 613–639
- [84] Y. Huang, G. Ouillon, H. Saleur and D. Sornette, “Spontaneous generation of discrete scale invariance in growth models”, *Phys. Rev.* **E55** (1997), 6433–6447
- [85] A. Leclair, F. Lesage, S. Lukyanov, H. Saleur, “The Maxwell-Bloch Theory in Quantum Optics and the Kondo Model”, hep-th/9701022, *Phys. Lett.* **A235** (1997), 203–208
- [86] F. Lesage, H. Saleur, P. Simonetti, “Tunneling in quantum wires I: Exact solution of the spin isotropic case”, cond-mat/97030220, *Phys. Rev.* **B56** (1997), 7598–7606
- [87] F. Lesage, H. Saleur, P. Simonetti, “Tunneling in quantum wires II: a new line of IR fixed points”, cond-mat/9707131, *Phys. Rev.* **B57** (1998), 4694–4707.
- [88] F. Lesage, H. Saleur, “Boundary interactions changing operators and dynamical correlations in quantum impurity problems”, cond-mat/9712019, *Phys. Rev. Lett.* **80** (1998), 4370–4373
- [89] F. Lesage, H. Saleur, “Boundary conditions changing operators in non conformal theories”, hep-th/9801089, *Nucl. Phys.* **B520** (1998), 563–593.
- [90] F. Lesage, H. Saleur, P. Simonetti, “Boundary flows in minimal models”, hep-th/9802061, *Phys. Lett.* **B427** (1998), 85–92
- [91] I. Affleck, M. Oshikawa, H. Saleur, “Boundary critical phenomena in the three state Potts model”, cond-mat/9804117, *J. Phys.* **A31** (1998), 5827–5842
- [92] H. Saleur, P. Simonetti, “Multi parameter integrable theories with  $N$  bosons”, hep-th/9804080, *Nucl. Phys.* **B535** (1998), 596–620
- [93] P. Fendley, H. Saleur, “Self-duality in quantum impurity problems”, cond-mat/9804173, *Phys. Rev. Lett.* **81** (1998), 2518–2521
- [94] R. Konik, F. Lesage, A. W. W. Ludwig, H. Saleur, “Two-leg ladders and carbon nanotubes: exact properties at finite doping”, cond-mat/9806334, *Phys. Rev.* **B61** (2000) 4983.
- [95] P. Fendley, H. Saleur, “Hyperelliptic curves for multi-channel quantum wires and the multi-channel Kondo problem”, cond-mat/9809259, *Phys. Rev.* **B60** (1999) 11432–11440
- [96] H. Saleur, “The long delayed solution of the Bukhvestov Lipatov model”, hep-th/9811023, *J. Phys.* **A32** (1999) L207–L213
- [97] F. Lesage, H. Saleur, “Strong coupling resistivity in the Kondo model”, cond-mat/9811172, *Phys. Rev. Lett.* **82** (1999), 4540–4543
- [98] F. Lesage, H. Saleur, “Perturbation of IR fixed points and duality in quantum impurity problems”, cond-mat/9812045, *Nucl. Phys.* **B546** (1999), 585–620.
- [99] P. Fendley, H. Saleur, “Differential equations and duality in massless integrable field theories at zero temperature”, solv-int/9904012, *Nucl. Phys.* **B574** (2000), 571–586.
- [100] R. Egger, A. Komnik and H. Saleur, “On the effect of irrelevant boundary scaling operators”, cond-mat/9904314, *Phys. Rev.* **B60** (1999), R5113–R5116.
- [101] H. Saleur, “The continuum limit of  $sl(N/K)$  integrable super spin chains”, solv-int/9905007, *Nucl. Phys.* **B578** (2000), 552–576.
- [102] H. Saleur, “A comment on finite temperature correlations functions in integrable quantum field theories”, hep-th/9909019, *Nucl. Phys.* **B567** (2000), 602–610.
- [103] R. Egger, H. Grabert, A. Koutouza, H. Saleur and F. Siano, “Current bistability and hysteresis in strongly correlated quantum wires”, cond-mat/0002290, *Phys. Rev. Lett.* **34** (2000), 3682–3285
- [104] H. Saleur and B. Wehefritz-Kaufmann, “Thermodynamics of the complex  $SU(3)$  Toda theory”, hep-th/0003217, *Phys. Lett.* **B481** (2000), 419–426.
- [105] A. Koutouza, H. Saleur and F. Siano, “External voltage sources and tunneling in quantum wires”, cond-mat/0007037, *J. Phys.* **A34** (2001), 5497–5515.
- [106] I. Affleck, M. Oshikawa, H. Saleur, “Quantum Brownian motion on a triangular lattice and  $c = 2$  boundary conformal field theory”, cond-mat/0009084, *Nucl. Phys.* **B594** (2001), 535–606.
- [107] R. Konik, A. Ludwig and H. Saleur, “Interplay of the scaling limit and the renormalization group: Implications for symmetry restoration”, cond-mat/0009166, *Phys. Rev.* **B66** (2002), 075105.

- [108] H. Saleur and U. Weiss, “Point contact tunneling in the fractional quantum Hall effect: an exact determination of the statistical fluctuations”, cond-mat/0009408, *Phys. Rev.* **B63** (2001), 201302–201305.
- [109] R. Konik, A. Ludwig and H. Saleur, “Transport through quantum dots: analytic results from integrability”, cond-mat/0010270, *Phys. Rev. Lett.* **87** (2001), 236801.
- [110] I. Affleck, M. Oshikawa and H. Saleur, “Boundary critical phenomena in  $SU(3)$  spin chains”, cond-mat/0011454, *J. Phys.* **A34** (2001), 1073–1088.
- [111] R. Konik, A. Ludwig and H. Saleur, “Transport in Quantum Dots from the Integrability of the Anderson Model”, cond-mat/0103044, *Phys. Rev.* **B66** (2002), 125304.
- [112] P. Fendley and H. Saleur, “BPS kinks in the Gross Neveu model”, hep-th/0105148, *Phys.Rev.* **D65** (2002), 025001.
- [113] N. Read and H. Saleur, “Exact spectra of conformal supersymmetric non linear sigma models in two dimensions”, hep-th/0106124, *Nucl. Phys.* **B613** (2001), 409–444.
- [114] J.S. Caux, H. Saleur and F. Siano, “The Josephson current in Luttinger liquid-superconductor junctions”, cond-mat/0109103, *Phys. Rev. Lett.* **88** (2002), 106402-106406.
- [115] H. Saleur and B. Wehefritz-Kaufman, “Integrable quantum field theories with  $OSP(m/2n)$  symmetries”, hep-th/0112095, *Nucl. Phys.* **628** (2002), 407–441.
- [116] J. L. Jacobsen, N. Read and H. Saleur, “Dense loops, supersymmetry and Goldstone phases in two dimensions”, cond-mat/0205033, *Phys. Rev. Lett.* **90** (2003), 090601–090604.
- [117] F. Lesage, P. Mathieu, J. Rasmussen and H. Saleur, “The  $SU(2)_{-1/2}$  WZW model and the beta-gamma system”, *Nucl. Phys.* **B647** (2002), 363–403.
- [118] A. Koutouza, H. Saleur and B. Trauzettel, “How irrelevant operators affect the determination of fractional charges”, cond-mat/0212029, *Phys. Rev. Lett.* **91** (2003), 02680–026804.
- [119] H. Saleur and B. Wehefritz-Kauffman, “Integrable quantum field theories with supergroup symmetries: a detailed study of the  $OSP(1/2)$  case”, hep-th/0302144, *Nucl. Phys.***B663** (2003), 443.
- [120] A. Koutouza, F. Lesage and H. Saleur, “Scattering amplitudes in non Fermi liquids systems”, cond-mat/0304058, *Phys. Rev.* **B68** (2003) 115422.
- [121] J.S. Caux, H. Saleur and F. Siano, “The two-boundary sine-Gordon model”, hep-th/0306328, *Nucl. Phys.* **B672** (2003) 411.
- [122] F. Lesage, P. Mathieu, J. Rasmussen and H. Saleur, “Logarithmic lift of the  $SU(2)_{-1/2}$  WZW model”, hep-th/0311039, submitted to *Nucl. Phys. B*.
- [124] I. Safi and H. Saleur, “A one channel conductor in an Ohmic environment: mapping to a TLL and full counting statistics”, cond-mat/0312477, submitted to *Phys. Rev. Lett.*.
- [125] B. Trauzettel, P. Roche, C. Glattli and H. Saleur, “On the determination of fractional charge through shot noise measurements”, cond-mat/0312525, submitted to *Phys. Rev. Lett.*.

### Addendum: Earthquake phenomenology

- [01] H. Saleur, C. G. Sammis, D. Sornette, “Discrete scale invariance, complex fractal dimensions and log-periodic fluctuations in seismicity”, *J. Geo. Res.* **101** (1996), 17,661–17,677
- [02] A. Johansen, D. Sornette, H. Wakita, U. Tsunogai, W. Newman, H. Saleur, ‘Discrete scaling in earthquake precursory phenomena: evidence in the Kobe earthquake, Japan”, *J. Phys. I*, **6** (1996), 1391–1402
- [03] Y. Huang, H. Saleur, C. Sammis, D. Sornette, “Precursors, aftershocks, criticality and self-organized criticality”, cond-mat/9612065, *Euro. Phys. Lett.* **41** (1998), 43–48
- [04] Y. Huang, A. Johansen, M.W. Lee, H. Saleur and D. Sornette, “Artifactual log-periodicity in finite size data: Relevance for earthquake aftershocks”, cond-mat/9911421, *J. Geophys. Res.* **105** (2000), 25451–25471.
- [05] A. Johansen, H. Saleur and D. Sornette, “New evidence of earthquake precursory phenomena in the 17 jan. 1995 Kobe earthquake, Japan”, cond-mat/9911444, *Eur. Phys. J. bf B* **15** (2000), 551–555.
- [06] Y. Huang, H. Saleur and D. Sornette, “Re-examination of Log periodicity observed in the foreshocks of the 1989 Loma Prieta earthquake”, *J. Geo. Res.* **105** (2000), 28111–28223.

## Publications (Reviews and Lecture Notes)

(The following do not contain new results)

- [1] P.di Francesco, H.Saleur, “Two dimensional critical models on a torus”, Proceedings of the Brasov Summer School, September 1987, Eds. P.Dita et al., Academic Press (1989), 63–89
- [2] H.Saleur, ”Lattice models and conformal field theories”, Proceedings of the Cargese Summer School “Common Trends in Condensed Matter and Particle Physics”, May 1988, Eds. C.Itzykson et al., *Phys. Rep.* **184** (1988), 177–191
- [3] C.Itzykson, H. Saleur, J. B. Zuber, “Conformal invariance and applications to statistical mechanics”, World Scientific (1988).
- [4] H.Saleur, ”Notes on some algebraic structures common to integrable lattice models and conformal field theories”, Proceedings of the 8<sup>th</sup> Symposium on Theoretical Physics (Korea) “Selected topics in conformal field theory and statistical mechanics”, July 1989, Ed. H.S.Song, Kyohak Yunkusa (1990), 112–128
- [5] H.Saleur, “Representations of quantum groups at roots of unity”, Proceedings of the Les Houches Winter School “Number Theory and Physics”, March 1989, Eds. J.M.Luck et al., Springer Verlag (1990), 68–76
- [6] H.Saleur, J.B.Zuber, “Integrable lattice models and quantum groups”, Proceedings of the Trieste Spring School “String Theory and Quantum Gravity”, April 1990, Eds. M.Green et al., World Scientific (1991), 1–53
- [7] H.Saleur, “The multivariable Alexander polynomial and modern knot theory”, Proceedings of the ”20<sup>th</sup> International Conference on Differential Geometric Methods in Theoretical Physics”, New York June 1991, Eds. S.Catto et al., World Scientific (1992), 1129–1142; and Proceedings of the “Research Conference on Advanced quantum field theory and Critical Phenomena”, Como June 1991, Eds. M.Martellini et al., *Int. J. Mod. Phys.* **B6** (1992), 1857–1969
- [8] H.Saleur, N.P.Warner, “Lattice models and  $N = 2$  supersymmetry”, Proceedings of the Cargese Summer School in Quantum Field Theory, Cargese, June 1994, Eds. L. Baulieu et al., North Holland
- [9] P. Fendley, H. Saleur, A. Ludwig, “Exactly solvable field theory of tunneling between edge states in the fractional quantum Hall effect”, Proceedings of the Trieste Conference “Quantum Field Theory and Statistical Mechanics”, April 1995, Eds G. Mussardo et al., World Scientific
- [10] P. Fendley, H. Saleur, “Tunneling between Edge States in the Fractional Quantum Hall Effect: A physical application for integrable  $1 + 1$  quantum field theories”, Proceedings of the Cargese summer school “Low dimensional applications of quantum field theory”, Cargese, July 1995, Eds. L. Baulieu et al., Plenum Press
- [11] P. Fendley, H. Saleur, A. Ludwig, “Quantum impurity problems in condensed matter physics”, Proceedings of the 19th IUPAP International Conference on Statistical Physics, World Scientific
- [12] F. Lesage, H. Saleur, “Correlations and transport in 1D quantum impurity problems”, Proceedings of “The mathematical beauty of physics”, Paris, June 1996, World Scientific
- [13] F. Lesage, H. Saleur, P. Simonetti, Proceedings of the Workshop on “Calogero-Moser-Sutherland models”, Montreal, Canada, October 1996, World Scientific
- [14] H. Saleur, “Non perturbative field theory in quantum impurity problems”, Lecture Notes from the Les Houches Summer School, “Topology and geometry in low dimensional physics”, July 1998, North Holland
- [15] H. Saleur, “Edge states tunneling in the fractional quantum Hall effect: physics and mathematics of the Yang Baxter equation”, APCTP Bulletin, 3 ( 1999), 7.
- [16] H. Saleur, “Lectures on non perturbative field theory and quantum impurity problems: Part II”, NATO Advanced Study Institute/EC Summer School on “New theoretical approaches to strongly correlated systems”, Newton Institute, April 2000.
- [17] H. Saleur and B. Wehfriz-Kaufman, “Scattering in theories with supergroup symmetries”, proceedings of “Statistical Field Theories”, Como (Italy) Spring 2001.