

List of Publications

Bernard Nienhuis

1. Y.J. Deng, W.N. Guo, J.R. Heringa, H.W.J. Blöte, B. Nienhuis *Phase transitions in self-dual generalizations of the Baxter-Wu model*, Nucl. Phys. 827, 406-425 (2010)
2. Nienhuis B, Campostrini M, Calabrese P *Entanglement, combinatorics and finite-size effects in spin chains*, J. Stat. Mech, Theory & Exp. 02063 (2009)
3. Nienhuis B, Guo WA, Blote HWJ, *Tricritical $O(n)$ models in two dimensions*, Phys. Rev. B 78, 061104 (2008)
4. S. Ostojic, T.J.H. Vlugt, B. Nienhuis *Universal anisotropy in force networks under shear*, Phys. Rev. E 75, 030301 (2007)
5. W. Kager, B. Nienhuis *Monte Carlo study of the hull distribution for the $q=1$ Brauer model* J. Stat.Mech. Theor. & Exp. (JSTAT) P08004 (2006)
6. S. Ostojic, E. Somfai, B. Nienhuis *Scale invariance and universality of force networks in static granular matter*, Nature 439 (7078): 828-830, (2006)
7. W.N. Guo, B. Nienhuis, H.W.J. Blöte *Exact characterization of $O(n)$ tricriticality in two dimensions*, Phys. Rev. Lett. 96, Art. No. 045704 (2006)
8. J. de Gier and B. Nienhuis *The Brauer Model and the Commuting Variety*, J. Stat. Mech, Theor. & Exp. (JSTAT), P01006 (2005)
9. S. Mitra and B. Nienhuis *Exact conjectured expressions for correlations in the dense $O(1)$ loop model on cylinders* J. Stat. Mech.: Theor. Exp. P10006 (2004)
10. W. Kager, B. Nienhuis, *A guide to stochastic Loewner evolution and its applications*, J. Stat. Phys. 115: 1149-1229, (2004)
11. S. Ostojic, Panja D, B. Nienhuis, *Clustering in a one-dimensional inelastic lattice gas*, Phys. Rev. E 69: Art. No. 041301, (2004)
12. W. Kager, B. Nienhuis, L.P. Kadanoff, *Exact solutions for Loewner evolutions*, J. Stat. Phys. 115: 805-822 (2004)

13. S. Mitra, B. Nienhuis, J de Gier and M T Batchelor *Exact expressions for correlations in the ground state of the dense $O(1)$ loop model* J. Stat. Mech.: Theor. Exp. P09010 (2004)
14. D. dei Cont, B. Nienhuis, *The packing of two species of polygons on the square lattice*, J. Phys. A-(Mathematical and General) 37: 3085-3100 (2004)
15. Y.J. Deng, H.W.J. Blöte, B. Nienhuis, *Backbone exponents of the two-dimensional q -state Potts model: A Monte Carlo investigation*, Phys. Rev. E 69 (2): Art. No. 026114 (2004)
16. Y.J. Deng, H.W.J. Blöte, B. Nienhuis, *Geometric properties of two-dimensional critical and tricritical Potts models*, Phys. Rev. E 69 (2): Art. No. 026123 (2004)
17. J. de Gier, B. Nienhuis, P.A. Pearce, and V. Rittenberg, *The raise and peel model of a fluctuating interface*, J. Stat. Phys. 114, (2004) p1-35
18. P. Fendley, B. Nienhuis, K. Schoutens, *Lattice fermion models with supersymmetry*, J. Phys. A-(Mathematical and General) 36 (50): 12399-12424 (2003)
19. J. de Gier, B. Nienhuis, P.A. Pearce, V. Rittenberg. *Stochastic processes and conformal invariance*, Phys. Rev. E 67: 016101 (2003)
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22. M.T. Batchelor, J. de Gier, B. Nienhuis. *The rotor model and combinatorics*, Int. J. Mod. Phys. B 16: 1883-1889 (2002)
23. A. Verberkmoes, B. Nienhuis. *Bethe ansatz solution of triangular trimers on the triangular lattice*, Phys. Rev. E 63: 066122 (2001)
24. M.T. Batchelor, J. de Gier, B. Nienhuis. *The quantum symmetric XXZ chain at $\Delta=-1/2$, alternating-sign matrices and plane partitions*, J. Phys. A - Math. Gen. 34: L265-L270 (2001)
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26. M.J. Martins, B. Nienhuis. *Exact and numerical results for a dimerized coupled spin-1/2 chain*, Phys. Rev. Lett. 85: 4956-4959 (2000)
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32. M.J.Martins and B. Nienhuis, *Applications of Temperley-Lieb algebras to Lorentz lattice gases*, J.Phys.A 31, L723-729 (1998)
33. P.A. Pearce and B. Nienhuis, *Scaling limit of RSOS equations and TBA equations*, Nucl. Phys. **B519** 579-596 (1998)
34. H.W.J. Blöte, M.T. Batchelor and B. Nienhuis, *Collapse of a polymer in two dimensions*, Physica A 251 (1998) p95-103
35. B. Nienhuis, *Critical correlation functions of the Potts model*, Physica A 251 (1998) p104-114
36. B. Nienhuis, *Exact solution of random tiling models*, Phys. Rep. 301, p271-292 (1998). This volume serves as proceedings of International Summerschool: *Fundamental Problems in Statistical Mechanics IX*, in ed. H. van Beijeren. Corrected and improved version published in *Quantum Field theory: Perspective and prospective*, Nato Science Series **C530** (proceedings of les Houches summer school June 15-26 1998) eds. C. DeWit-Morette and J-B. Zuber, Kluwers(1999).
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