

Hans Christian Öttinger, List of Publications

Books

1. H.C. Öttinger, *Stochastic Processes in Polymeric Fluids: Tools and Examples for Developing Simulation Algorithms* (Springer, Berlin, 1996).
2. H.C. Öttinger, *Beyond Equilibrium Thermodynamics* (Wiley, Hoboken, 2005)
3. H.C. Öttinger, *A Philosophical Approach to Quantum Field Theory* (Cambridge University Press, Cambridge, 2017)
4. D.C. Venerus and H.C. Öttinger, *A Modern Course in Transport Phenomena* (Cambridge University Press, Cambridge, 2018)

Edited Book

1. A.N. Gorban, N. Kazantzis, I. G. Kevrekidis, H.C. Öttinger and K. Theodoropoulos (Editors), *Model Reduction and Coarse-Graining Approaches for Multiscale Phenomena* (Springer, Berlin, 2006).

Refereed Journal Publications

1. H.C. Öttinger, Correlation Functions for n Species of One-Dimensional Impenetrable Bosons, *Physica* 107A (1981) 423-430.
2. H.C. Öttinger and J. Honerkamp, Note on the Yang-Baxter Equations for Generalized Baxter Models, *Physics Letters* 88A (1982) 339-343.
3. H.C. Öttinger, Mean-field theory of the chiral Potts model, *J. Phys. C: Solid State Phys.* 15 (1982) L1257-L1262.
4. H.C. Öttinger, Numerical solution of the mean-field theory of the ANNNI model in an external field: a comparison of two methods, *J. Phys. A: Math. Gen.* 16 (1983) 1483-1489.
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6. H.C. Öttinger, Order-disorder and ferromagnetic-modulated phase transitions of the chiral Potts model, *J. Phys. C: Solid State Phys.* 16 (1983) L597-L604.
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10. H.C. Öttinger, The generalised true self-avoiding walk—a model with continuously variable exponent ν , *J. Phys. A: Math. Gen.* 18 (1985) L363-L367; 19 (1986) 2239.
11. H.C. Öttinger, A short note on the true self-avoiding walk, *J. Phys. A: Math. Gen.* 18 (1985) L299-L301; 19 (1986) 2239.
12. H.C. Öttinger, Monte Carlo renormalisation group for the true self-avoiding walk, *J. Phys. A: Math. Gen.* 19 (1986) 961-971.
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15. H.C. Öttinger, Exact solution of the Rouse model with discrete time evolution, *J. Non-Newtonian Fluid Mech.* 19 (1986) 357-363.
16. H.C. Öttinger, Consistently averaged hydrodynamic interaction for Rouse dumbbells. Series Expansions, *J. Chem. Phys.* 84 (1986) 4068-4073.
17. J. Honerkamp and H.C. Öttinger, Nonlinear force and tensorial mobility in a kinetic theory for polymer liquids, *J. Chem. Phys.* 84 (1986) 7028-7035.
18. P. Biller, H.C. Öttinger and F. Petruccione, Consistently averaged hydrodynamic interaction for dumbbell models in elongational flow, *J. Chem. Phys.* 85 (1986) 1672-1675.
19. H.C. Öttinger, Consistently averaged hydrodynamic interaction for Rouse dumbbells: The rheological equation of state, *J. Chem. Phys.* 85 (1986) 1669-1671.
20. H.C. Öttinger, A generalization of the Rouse-Zimm model, *Colloid and Polymer Sci.* 265 (1987) 101-105.
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