

物理学論文選集 218

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高山 一都 福仁 責任編集

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1. V. Cannella and J. A. Mydosh: Magnetic Ordering in Gold-Iron Alloys
Phys. Rev. **B6** (1972) 4220-4237 1
 2. L. E. Wenger and P. H. Keesom: Calorimetric Investigation of a Spin-Glass Alloy: CuMn
Phys. Rev. **B13** (1976) 4053-4059 19
 3. J. L. Tholence and R. Tournier: Susceptibility and Remanent Magnetization of a Spin Glass
J. de Phys. **35** (1974) C4-229-235 26
 4. S. F. Edwards and P. W. Anderson: Theory of Spin Glasses
J. Phys. **E5** (1975) 965-974 33
 5. D. Sherrington and S. Kirkpatrick: Solvable Model of a Spin-Glass
Phys. Rev. Lett. **35** (1975) 1792-1796 43
 6. J. M. Kosterlitz, D. J. Thouless and R. C. Jones: Spherical Model of a Spin-Glass
Phys. Rev. Lett. **36** (1976) 1217-1220 48
 7. F. Matsubara and M. Sakata: Theory of Random Magnetic Mixture III.
—Glass-Lake Phase—
Prog. Theor. Phys. **55** (1976) 672-682 52
 8. Y. Ueno and T. Oguchi: Random Ordered Phase Characteristic Quenched Mixtures of Ising Spins
J. Phys. Soc. Jpn. **40** (1976) 1513-1514 63
 9. D. J. Thouless, P. W. Anderson and R. G. Palmer: Solution of ‘Solvable Model of a Spin Glass’
Philos. Mag. **35** (1977) 593-601 65
 10. D. J. Thouless, J. R. L. de Almeida and J. M. Kosterlitz:
Stability and Susceptibility in Parisi’s Solution of a Spin Glass Model
J. Phys. **C13** (1980) 3271-3280 74
 11. H. Sompolinsky: Staggered-Magnetization Approach to Spin-Glasses
Phys. Rev. **B23** (1981) 1371-1374 84

12. S. Katsura : Entropy of the Spin-Glass State in the Binary Mixture of the Ferro- and Antiferromagnetic Random Ising Model at $T=0$
Physica **104A** (1980) 333-338 88
13. W. Kinzel and K. H. Fisher : Existence of a Phase Transition in Spin Glasses?
J. Phys. **C11** (1978) 2115-2121 94
14. A. J. Bray and M. A. Moore : Monte Carlo Evidence for the Absence of a Phase Transition in the Two-Dimensional Ising Spin Glass
J. Phys. **F7** (1977) L333-L337 101
15. I. Morgenstern and K. Binder : Evidence Against Spin-Glass Order in the Two-Dimensional Random-Bond Ising Model
Phys. Rev. Lett. **43** (1979) 1615-1618 106
16. G. Toulouse : Theory of the Frustration Effect in Spin Glasses : I
Commun. Phys. **2** (1977) 115-119 110
17. I. E. Dzyaloshinskii and G. E. Volovic : On the Concept of Local Invariance in the Theory of Spin Glasses
J. de Phys. **39** (1978) 693-700 115
18. M. Suzuki : Phenomenological Theory of Spin-Glasses and Some Rigorous Results
Prog. Theor. Phys. **58** (1977) 1151-1165 123
19. S. Chikazawa, D. J. Sandberg and Y. Miyako : Nonlinear Susceptibility of a Spin Glass Compound $(\text{Ti}_{1-x}\text{V}_x)_2\text{O}_3$: II
J. Phys. Soc. Jpn. **50** (1981) 2884-2890 138
20. J. Villain : Two-Level Systems in a Spin-Glass Model : I General Formalism and Two-Dimensional Model
J. Phys. **C10** (1977) 4793-4803 145
21. W. E. Fogle, J. D. Boyer, N. E. Phillips and J. V. Curen : Calorimetric Investigation of Spin-Glass Ordering in CuMn
Phys. Rev. Lett. **47** (1981) 352-355 156
22. L. R. Walker and R. E. Walstedt : Computer Model of Metallic Spin-Glasses
Phys. Rev. Lett. **38** (1977) 514-518 160
23. B. I. Halperin and W. M. Saslow : Hydrodynamic Theory of Spin Waves in Spin Glasses and Other Systems with Noncollinear Spin Orientations
Phys. Rev. **B16** (1977) 2154-2162 165
24. C. R. Fincher, Jr., S. M. Shapiro, A. H. Palumbo and R. D. Parks : Spin-Wave Evolution Crossing from the Ferromagnetic to Spin-Glass Regime of $\text{Fe}_x\text{Cr}_{1-x}$
Phys. Rev. Lett. **35** (1980) 474-477 174
25. P. Monod, J. J. Préjean and B. Tissier : Magnetic Hysteresis of CuMn in the Spin Glass State
J. Appl. Phys. **50** (1979) 7324-7329 178
26. H. Alloul : Remanence in Spin Glass: A New Approach from Zero Field NMR in CuMn
J. Appl. Phys. **50** (1979) 7330-7335 184

27. A. P. Murani: Neutron Scattering Studies of Spin-Glass Alloys
J. Appl. Phys. 49 (1978) 1604-1609 190
28. Y. J. Uemura, T. Yamazaki, R. S. Hayano, R. Nakai and C. Y. Huang:
Zero-Field Spin Relaxation of μ^+ as a Probe of the Spin Dynamics of
AuFe and CuMn Spin-Glasses
Phys. Rev. Lett. 45 (1980) 583-587 196
29. B. H. Verbeek, G. J. Nieuwenhuys, H. Stocker and J. A. Mydosh:
Evidence for a Ferromagnet-Spin-Glass Transition in PdFeMn
Phys. Rev. Lett. 40 (1978) 586-589 201
30. D. Meschede, F. Steglich, W. Felsch, H. Maletta and W. Zinn:
Specific Heat of Insulating Spin-Glasses, (Eu, Sr)S near the
Onset of Ferromagnetism
Phys. Rev. Lett. 44 (1980) 102-105 205
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