

Bibliography in pp. 535-541 of *Hysteresis in Magnetism: for physicists, materials scientists, and engineers*, G. Bertotti, Academic Press (San Diego), 1998.

### GENERAL PHYSICS, ELECTROMAGNETISM

(see also [120])

1. N. W. Ashcroft and N. D. Mermin, *Solid State Physics* (Tokyo: Holt-Saunders, 1981).
2. R. S. Elliott, *Electromagnetics* (New York: IEEE Press, 1993).
3. R. P. Feynman, R. B. Leighton, M. Sands, *The Feynman Lectures on Physics*, Vol. 1-3 (Reading, Mass.: Addison-Wesley, 1963).
4. J. D. Jackson, *Classical Electrodynamics* (New York: Wiley, 1975).
5. J. Lammeraner and M. Stafl, *Eddy Currents* (London: Iliffe, 1966).
6. L. D. Landau and E. M. Lifshitz, *Electrodynamics of Continuous Media*, 2nd Edition (Oxford: Pergamon Press, 1989).
7. W. K. H. Panofsky and M. Phillips, *Classical Electricity and Magnetism*, 2nd Edition (Reading, Mass.: Addison-Wesley, 1962).
8. J. C. Slater, *Quantum Theory of Matter* (New York: McGraw-Hill, 1968).
9. T. A. Stratton, *Electromagnetic Theory* (New York: McGraw-Hill, 1941).
10. I. E. Tamm, *Fundamentals of the Theory of Electricity* (Moscow: Mir, 1979).

### MATHEMATICAL METHODS, STOCHASTIC PROCESSES (SEE also [112])

11. V. I. Arnold, *Ordinary Differential Equations* (Cambridge: MIT Press, 1973).
12. C. W. Gardiner, *Handbook of Stochastic Methods* (Berlin: Springer-Verlag, 1985).
13. D. W. Jordan and P. Smith, *Nonlinear Ordinary Differential Equations* (Oxford: Oxford University Press, 1979).
14. M. Mandelbrot, *The Fractal Geometry of Nature* (San Francisco: Freeman, 1982).
15. P. M. Morse and H. Feshbach, *Methods of Theoretical Physics* (New York: McGraw-Hill, 1953).
16. F. Moss and P. V. E. McClintock, eds., *Noise in Nonlinear Dynamical Systems*, Vol. 1-3 (Cambridge: Cambridge University Press, 1989).
17. A. Papoulis, *Probability, Random Variables, and Stochastic Processes*, 3rd Edition (New York: McGraw-Hill, 1991).
18. H. Risken, *The Fokker-Planck Equation*, 2nd Edition (Berlin: Springer-Verlag, 1996).
19. Y. Rozanov, *Processus Aleatoires* (Moscow:

Mir, 1975) (in French).

20. V. Smirnov, *Cours de Mathematiques Superieures*, Vol. I-IV (Moscow: Mir, 1969-1984) (in French).

21. N. G. Van Kampen, *Stochastic Processes in Physics and Chemistry* (Amsterdam: North-Holland, 1984).

### NONLINEAR DYNAMICS, STABILITY, BIFURCATIONS (see also [110])

22. R. Gilmore, *Catastrophe Theory for Scientists and Engineers* (New York: Dover, 1993).
23. J. Hale and H. Kocak, *Dynamics and Bifurcations* (New York: Springer-Verlag, 1991).
24. H. Haken, *Synergetics* (Berlin: Springer-Verlag, 1978).
25. A. J. Lichtenberg and M. A. Lieberman, *Regular and Chaotic Dynamics* (New York: Springer-Verlag, 1992).
26. R. Thom, *Stabilite Structurale et Morphogenese, Essai d'une Theorie Generale des Modeles* (Paris: InterEditions S.A., 1977) (in French).
27. H. Troger and A. Steindl, *Nonlinear Stability and Bifurcation Theory* (Wien: Springer-Verlag, 1991).

### HYSTERESIS MODELING (see also [111, 115, 125])

28. M. A. Krasnosel'skii and A. V. Pokrovskii, *Systems with Hysteresis* (Berlin: Springer-Verlag, 1989).
29. I. D. Mayergoys, *Mathematical models of Hysteresis* (New York: Springer-Verlag, 1991).
30. A. Visintin, *Differential Models of Hysteresis* (Berlin: Springer-Verlag, 1994).
31. A. Visintin, ed., *Models of Hysteresis* (London: Longman, 1993).

### STATISTICAL MECHANICS, THERMODYNAMICS, CRITICAL PHENOMENA (see also [114, 116, 117, 122, 124, 127])

32. R. Balescu, *Equilibrium and Nonequilibrium Statistical Mechanics* (New York: Wiley, 1975).
33. C. Beck and F. Schlogl, *Thermodynamics of Chaotic Systems* (Cambridge: Cambridge University Press, 1993).
34. J. J. Binney, N. J. Dowrick, A. J. Fisher, and M. E. J. Newman, *The Theory of Critical Phenomena* (New York: Oxford University Press, 1995).
35. H. B. Callen, *Thermodynamics*, (New York:

- Wiley, 1960).
- 36 E. Fermi, *Thermodynamics*, (New York: Dover, 1956).
- 37 N. Goldenfeld, *Lectures on Phase Transitions and the Renormalization Group* (Reading, Mass.: Addison-Wesley, 1992).
- 38 S. R. de Groot and P. Mazur, *Non-Equilibrium Thermodynamics* (New York: Dover, 1984).
- 39 E. A. Guggenheim, *Thermodynamics* (Amsterdam: North-Holland, 1986).
- 40 K. Huang, *Statistical Mechanics* (New York: Wiley, 1987).
- 41 D. Jou, J. Casas-Vazquez, G. Lebon, *Extended Irreversible Thermodynamics* (Berlin: Springer-Verlag, 1993).
- 42 R. Kubo, *Statistical Mechanics* (Amsterdam: North-Holland, 1990).
- 43 R. Kubo, M. Toda, and N. Saito, *Statistical Physics I - Equilibrium Statistical Mechanics* (Berlin: Springer-Verlag, 1995).
- 44 R. Kubo, M. Toda, and N. Hashitsume, *Statistical Physics II - Non-Equilibrium Statistical Mechanics* (Berlin: Springer-Verlag, 1995).
- 45 G. D. C. Kuiken, *Thermodynamics of Irreversible Processes* (New York: Wiley, 1994).
- 46 L. D. Landau and E. M. Lifshitz, *Statistical Physics - Part I*, 3rd Edition (Oxford: Pergamon Press, 1993).
- 47 C. H. P. Lupis., *Chemical Thermodynamics of materials* (Amsterdam: North-Holland, 1983).
- 48 S.-K. Ma, *Modern Theory of Critical Phenomena* (Reading, Mass.: Addison-Wesley, 1976).
- 49 E. W. Montroll and J. L. Lebowitz, eds., *Fluctuation Phenomena* (Amsterdam: North-Holland, 1987).
- 50 C. N. R. Rao and K. J. Rao, *Phase Transitions in Solids* (New York: McCraw-Hill, 1978).
- 51 Yu B. Rumer and M. Sh. Ryvkin, *Thermodynamics, Statistical Physics, and kinetics* (Moscow: Mir, 1980).
- 52 H. E. Stanley, *Introduction to Phase Transitions and Critical Phenomena* (Oxford: Clarendon Press, 1971).
- 53 R.C.Tolman, *The Principles of Statistical Mechanics* (New York: Dover, 1979).
- 54 G. H. Wannier, *Statistical Mechanics* (New York: Dover, 1987).
- THEORY OF MAGNETISM, MAGNETIC MATERIALS** (see also [113, 118, 119, 121, 123, 126])
- 55 A. Aharoni, *Introduction to the Theory of Ferromagnetism*, (New York: Oxford University Press, 1996).
- 56 G. Asti, *Il Magnetismo* (Roma: Editori Riuniti, 1985) (in Italian).
- 57 B. Barbara, D. Gignoux, and C. Vettier, *Lectures on Modern Magnetism* (Berlin: Science Press and Springer-Verlag, 1988).
- 58 A. E. Berkowitz and E. Kneller, eds., *Magnetism and Metallurgy, Vol. 1 and 2* (New York: Academic Press, 1969).
- 59 J. A. C. Bland and B. Heinrich, eds., *Ultrathin Magnetic Structures* (Berlin: Springer-Verlag, 1994).
- 60 R. M. Bozorth, *Ferromagnetism* (New York: IEEE Press, 1993).
- 61 F. Brailsford, *Magnetic Materials* (London: Methuen, 1960).
- 62 P. Brissonneau, *Magnetisme et Materiaux Magnetiques* (pour l'electrotechnique) (Paris: ermes, 1997) (in French).
- 63 W. F. Brown, Jr., *Magnetostatic Principles in Ferromagnetism* (Amsterdam: North-Holland, 1962).
- 64 W. F. Brown, Jr., *Micromagnetics* (New York: Krieger, 1978).
- 65 P. Campbell, *Permanent Magnet Materials and their Application* (Cambridge: Cambridge University Press, 1994).
- 66 C. W. Chen, *Magnetism and Metallurgy of Soft Magnetic Materials* (Amsterdam: North-Holland, 1977).
- 67 S. Chikazumi, *Physics of Magnetism* (New York: Wiley, 1964).
- 68 J. M. D. Coey, ed., *Rare-earth Iron Permanent Magnet* (Oxford: Oxford University Press, 1996).
- 69 D. Craik, *Magnetism - Principles and Applications* (Chichester: Wiley, 1995).
- 70 D. J. Craik and R. S. Tebble, *Ferromagnetism and Ferromagnetic Domains* (Amsterdam: North-Holland, 1965).
- 71 B. D. Cullity, *Introduction to Magnetic Materials* (Reading, Mass.: Addison-Wesley, 1972).
- 72 A. H. Eschenfelder, *Magnetic Bubble Technology* (Berlin: Springer-Verlag, 1981).
- 73 J. Evetts, ed., *Concise Encyclopedia of Magnetic & Superconducting Materials* (Oxford: Pergamon Press, 1992).
- 74 J. A. Fernandez-Baca and W.-Y. Ching, eds., *The*

- Magnetism of Amorphous Metals and Alloys* (Singapore: World Scientific, 1995).
- 75 K. H. Fischer and J. A. Hertz, *Spin Glasses* (Cambridge: Cambridge University Press, 1993).
- 76 A. J. Freeman and K. A. Gschneidner, Jr., eds., *Magnetism in the Nineties* (Amsterdam: North-Holland, 1991).
- 77 A. Herpin, *Theorie du Magnetisme* (Paris: Presses Universitaires de France, 1968) (in French).
- 78 T. J. Hicks, *Magnetism in Disorder* (New York: Oxford University Press, 1995).
- 79 Y. Ishikawa, ed., *Physics and Engineering Applications of Magnetism* (Berlin: Springer-Verlag, 1991).
- 80 J. P. Jakubovics, *Magnetism and Magnetic Materials* (London: The Institute of Materials, 1994).
- 81 D. C. Jiles, *Introduction to Magnetism and Magnetic Materials* (London: Chapman and Hall, 1991).
- 82 E. Luborsky, ed., *Amorphous Metallic Alloys* (London: Butterworths, 1983).
- 83 J. C. Mallinson, *The Foundations of Magnetic Recording*, 2nd Edition (New York: Academic Press, 1993).
- 84 D. C. Mattis, *The Theory of Magnetism I - Static and Dynamics* (Berlin: Springer-Verlag, 1981).
- 85 D. C. Mattis, *The Theory of Magnetism II - Thermodynamics and Statistical Mechanics* (Berlin: Springer-Verlag, 1985).
- 86 M. McCaig and A. G. Clegg, *Permanent Magnets*, 2nd Edition (London: Pentech Press, 1987).
- 87 R. A. McCurrie, *Ferromagnetic Materials: Structure and Properties* (London: Academic Press, 1994).
- 88 C. D. Mee and E. D. Daniel, eds., *Magnetic Recording Handbook* (New York: McGraw-Hill, 1990).
- 89 C. D. Mee and E. D. Daniel, eds., *Magnetic Recording Technology* (New York: McGraw-Hill, 1996).
- 90 M. Mezard, G. Parisi, and M. A. Virasoro, *Spin Glass Theory and Beyond* (Singapore: World Scientific, 1987).
- 91 A. H. Morrish, *The Physical Principles of Magnetism* (New York: Wiley, 1965).
- 92 L. Neel, *Oeuvres Scientifiques* (Paris: Editions du CNRS, 1978) (collection of original articles, mostly in French).
- 93 G. T. Rado and H. Suhl, eds., *Magnetism, Vol. I-V* (New York: Academic Press, 1963-1973).
- 94 C. P. Slichter, *Principles of Magnetic Resonance* (Berlin: Springer-Verlag, 1996).
- 95 R. S. Tebble and D. J. Craik, *Magnetic Materials* (London: Wiley Interscience, 1969).
- 96 E. du Tremolet de Lachesserie, *Magnetostriction* (Boca Raton: CRC Press, 1993).
- 97 H. P. J. Wijn, ed., *Magnetic Properties of Metals, Landolt-Bornstein, Group III, Vol. 19* (Berlin: Springer-Verlag, 1986-1995).
- 98 E. P. Wohlfarth and K. H. J. Buschow, eds., *Ferromagnetic Materials*, Vol. 1-3 (E. P. Wohlfarth, ed.) and Vol.4-5 (K. H. J. Buschow and E. P. Wohlfarth, eds.), *Handbook of Magnetic Materials*, Vol.6-15 (K. H. J. Buschow, ed.) (Amsterdam North-Holland, 1980-2003).
- 99 K. Yosida, *Theory of Magnetism* (Berlin: Springer-Verlag, 1996).
- 100 H. Zijlstra, *Experimental Methods in Magnetism, Vol. 1 and 2* (Amsterdam: North-Holland, 1967).
- SCHOOL AND WORKSHOP PROCEEDINGS ON MAGNETISM** (see also [128])
- 101 G. Asti, D. Fiorani, and F. Lucari, eds., *Magnetic Properties of Matter* (Singapore: World Scientific, 1991).
- 102 U. Balucani, S. W. Lovesey, M. G. Rasetti, and V. Tognetti, eds., *Magnetic Excitations and Fluctuations* (Berlin: Springer-Verlag, 1987).
- 103 F. Borsa and V. Tognetti, eds., *Magnetic Properties of Matter* (Singapore: World Scientific, 1988).
- 104 J. L. Dormann and D. Fiorani, eds., *Magnetic Properties of Fine Particles* (Amsterdam: North-Holland, 1992).
- 105 R. Gerber, C. D. Wright, and G. Asti, eds., *Applied Magnetism* (Dordrecht: Kluwer, 1993).
- 106 G. Hadjipanayis, ed., *Magnetic Hysteresis in Novel Magnetic Materials* (Dordrecht: Kluwer, 1997).
- 107 L. Lanotte, F. Lucari, and L. Pareti, eds., *Magnetic Properties of Matter* (Singapore: World Scientific, 1996).
- 108 C. J. Long and F. Grandjean, eds., *Supermagnets, Hard Magnetic Materials* (Dordrecht: Kluwer, 1991).
- 109 F. C. Pu, Y. J. Wang, C. H. Shang, eds., *Aspects of Modern Magnetism* (Singapore: World Scientific, 1996).
- ADDITIONAL TITLES**
- 110 V. I. Arnold, *Catastrophe Theory*, 3rd Edition

- (Berlin: Springer-Verlag, 1992).
- 111 M. Brokate and J. Sprekels, *Hysteresis and Phase Transitions* (Berlin: Springer-Verlag, 1996).
- 112 I. S. Gradshteyn and I. M. Ryzhik, *Table of Integrals, Series, and Products*, 5th Edition (Boston: Academic Press, 1994).
- 113 A. Hubert, *Theorie des Domanenwande in Geordenet Medien* (Berlin: Springer-Verlag, 1974) (in German).
- 114 S. W. Koch, *Dynamics of First-order Phase Transitions in Equilibrium and Nonequilibrium Systems* (Berlin: Springer-Verlag, 1984).
- 115 P. Krejci, *Convexity, Hysteresis, and Dissipation in Hyperbolic Equations* (Tokyo: Gakkotosho, 1997).
- 116 L. D. Landau and E. M. Lifshitz, *Statistical Physics, Part II* (Oxford: Pergamon Press, 1980).
- 117 B. H. Lavenda, *Thermodynamics of Irreversible Processes* (New York: Dover, 1993).
- 118 N. Malozemoff and J. C. Slonczewski, *Magnetic Domain walls in Bubble Materials* (New York: Academic Press, 1979).
- 119 M. Mansuripur, *The Physical Principles of Magneto-optical Recording* (Cambridge: Cambridge University Press, 1995).
- 120 I. D. Mayergoyz, *Nonlinear Diffusion of Electromagnetic Fields* (Boston: Academic Press, 1998).
- 121 C. D. Mee, *The Physics of Magnetic Recording* (Amsterdam: North-Holland, 1986).
- 122 A. Z. Patasinskij and V. L. Pokrovskij, *Teoria delle Fluttuazioni nelle Transizioni di Fase* (Roma: Editori Riuniti, 1985) (Italian translation from Russian).
- 123 M. Prutton, *Thin Ferromagnetic Films* (London: Butterworths, 1964).
- 124 E. Schrodinger, *Statistical Thermodynamics* (New York: Dover, 1989).
- 125 A. Visintin, *Models of Phase Transitions* (Boston: Birkhauser, 1996).
- 126 H. N. Bertram, *Theory of Magnetic Recording* (Cambridge: Cambridge University Press, 1994).
- 127 T. L. Hill, *An Introduction to Statistical Thermodynamics* (New York: Dover, 1986).
- 128 F. P. Missell, V. Villas-Boas, H. R. Rechenberg, and F. J. G. Landgraf, eds., *Magnetic Anisotropy and Coercivity in Rare-Earth Transition Metaa Alloys* (Singapore: World Scientific, 1996).