

9. References

- [Ader93] M. Aderholz, unpublished.
- [Albe78] R. Alben, J.J. Becker and M.C. Chi, *J. Appl. Phys.* **49** (1978) 1653.
- [Alpe76] H.A. Alperin, J.R. Cullen and A.E. Clark, *AIP. Conf. Proc.* **29** (1976) 186.
- [Andr61] W. Andrä, *Phys. Stat. Sol.* **1** (1961) K135.
- [Argy55] P.N. Argyres, *Phys. Rev.* **97** (1955) 334.
- [Azza79] R.M.A. Azzam and N.M. Bashara, *Ellipsometry and Polarized Light* (North-Holland Publ., Amsterdam, 1979) Chap. 2.
- [Ball92] R. Ballou, in *Magnetism and Magnetic Materials and their Applications*, edited by F. Leccabue and J.L. Sánchez Liamazares (Institute of Physics Publishing, Bristol, 1992) 15.
- [Bech97] A. Bechert, R. Trautsch, J. Zweck, W. Andrä and H. Hoffmann, *Phys. Stat. Sol. (a)* **161** (1997) 483.
- [Benn64] H.S. Bennett and E.A. Stern, *Phys. Rev.* **137** (1964) A448.
- [Bote92] S. Botermann, Diploma Thesis, Universität Duisburg, 1992.
- [Bris66] R.R. Briss, in *Symmetry and Magnetism*, edited by E.P. Wohlfarth (North-Holland, Amsterdam, 1966) Chapters 2 and 5.
- [Busc88] K.H.J. Buschow, in *Handbook of Ferromagnetic Materials*, Vol. IV, edited by K.H.J. Buschow and E.P. Wohlfarth (North-Holland, Amsterdam, 1988) p. 495.
- [Camp72] I.A. Campbell, *J. Phys. F* **2** (1972) L47.
- [Carb90] C. Carbone, R. Rochow, L. Braicovich, R. Jungblut, T. Kachel, D. Tillmann and E. Kisker, *Phys. Rev. B* **41** (1990) 3866.
- [Carg78] G.S. Cargill III and T. Mizoguchi, *J. Appl. Phys.* **49** (1979) 1753.
- [Chal90] W.A. Challener, *J. Appl. Phys.* **67** (1990) 4441.
- [Chau73] P. Chaudhari, J.J. Cuomo and R.J. Gambino, *Appl. Phys. Lett.* **22** (1973) 337.
- [Chen89] S.-C.N. Cheng, M.H. Kryder and M.C.A. Mathur, *IEEE Trans. Magn.* **MAG-25** (1989) 4018.
- [Cher91] K. Cherifi, C. Dufour, M. Piecuch, A. Bruson, Ph. Bauer, G. Marchal and Ph. Mangin, *J. Magn. Magn. Mater.* **93** (1991) 609.
- [Chik64] S. Chikazumi, in *Physics of Magnetism* (John Wiley & Sons, New York, 1964) Chapters 2 and 7.

- [Coqb77] B. Coqblin, *The Electronic Structure of Rare-Earth Metals and Alloys: the Magnetic Heavy Rare-Earths* (Academic Press, London, 1977) Chapters 1 and 2.
- [Cull59] B.D. Cullity, *Elements of x-ray diffraction* (Addison-Wesley, Reading, Massachusetts, 1959) 459.
- [Cull72] B.D. Cullity, *Introduction to Magnetic Materials* (Addison-Wesley, Menlo Park, California, 1972) Chap. 7.
- [Dava93] J. Daval and B. Bechevet, *J. Magn. Magn. Mater.* **129** (1993) 98.
- [Dove85] R.B. van Dover, M. Hong, E.M. Gyorgy, J.F. Dillon, Jr and S.D. Albiston, *J. Appl. Phys.* **57** (1985) 3897.
- [Dufo91] C. Dufour, K. Cherifi, A. Bruson, G. Marchal and Ph. Mangin, *Phys. Stat. Sol. A* **125** (1991) 561.
- [Eber96] H. Ebert and G. Schütz, *Spin-Orbit Influenced Spectroscopies of Magnetic Solids* (Springer-Verlag, Berlin, 1996).
- [Egam87] T. Egami, C.D. Graham, Jr., W. Dmowski, P. Zhou, P.J. Flanders, E.E. Marinero, H. Notarys and C. Robinson, *IEEE Trans. Magn.* **MAG-23** (1987) 2269.
- [Elli72] R.J. Elliot, *Magnetic Properties of Rare Earth Metals* (Plenum Press, London, 1972) Chap. 1 and p.83.
- [Ersk73] J.L. Erskine, and E.A. Stern, *Phys. Rev. Lett.* **30** (1973) 1329; *Phys. Rev. B* **8** (1973) 1239.
- [Eyme88] J.P. Eymery, A. Fnidiki, R. Krishnan, M. Tessier and J.P. Vitton, *Phys. Rev. B* **38** (1988) 11931.
- [Fnid93] A. Fnidiki, F. Richomme, J. Teillet, F. Pierre, P. Boher and Ph. Houdy, *J. Magn. Magn. Mater.* **121** (1993) 520.
- [Fu91] H. Fu, M. Mansuripur and P. Meystre, *Phys. Rev. Lett.* **66** (1991) 1086.
- [Gamb78] R.J. Gambino and J.J. Cuomo, *J. Vac. Sci. Technol.* **15** (1978) 296.
- [Grea92] S.J. Greaves, A.K. Petford-Long, Y.-H. Kim, R.J. Pollard, P.J. Grundy and J.P. Jakubovics, *J. Magn. Magn. Mater.* **113** (1992) 63.
- [Grea93] S.J. Greaves, P.J. Grundy and R.J. Pollard, *J. Magn. Magn. Mater.* **121** (1993) 532.
- [Grun94] P.J. Grundy, in *Materials Science and Technology*, edited by R.W. Cahn, P. Haasen and E.J. Kramer; Volume 3B: *Electronic and Magnetic Properties of Metals and Ceramics*, edited by K.H.J. Buschow (VCH, Weinheim, 1994) p. 570.
- [Hans89] P. Hansen, C. Clausen, G. Much, M. Rosenkranz and K. Witter, *J. Appl. Phys.* **66** (1989) 756.

- [Hans90] P. Hansen, *J. Magn. Magn. Mater.* **83** (1990) 6.
- [Harr92] V.G. Harris, K.D. Aylesworth, B.N. Das, W.T. Elam and N.C. Koon, *Phys. Rev. Lett.* **69** (1992) 1939.
- [Heim76] N. Heiman, K. Lee, R.I. Potter and S. Kirkpatrick, *J. Appl. Phys.* **47** (1976) 2634.
- [Hell92] F. Hellman and E.M. Gyorgy, *Phys. Rev. Lett.* **68** (1992) 1391.
- [Hond90] S. Honda, H. Tanimoto, T. Kasuda, *IEEE Trans. Magn.* **MAG-26** (1990) 2730.
- [Hond93] S. Honda, T. Kimura and M. Nawate, *J. Magn. Magn. Mater.* **121** (1993) 116.
- [Huan90] J. Huang, C. Prados, J.E. Evetts and A. Hernando *Phys. Rev. B* **51** (1995) 297.
- [Ikeda93] E. Ikeda, T. Tanaka, T. Chiba und H. Yoshimura, MORIS'92, *Proc. J. Magn. Soc. Jpn.* **17 (S1)** (1993) 335.
- [Jenk50] F.A. Jenkins and H.E. White, *Fundamentals of Optics* (McGraw-Hill, New York, 1950) p. 597 and Chap. 28.
- [John92] M.T. Johnson, R. Coehoorn, J.J. de Vries, N.W.E. McGee, J. aan de Stegge and P.J.H. Bloemen, *Phys. Rev. Lett.* **69** (1992) 969.
- [Jung94] J. Jungermann and S. Neumann, Diploma Theses, Gerhard-Mercator-Universität-Duisburg, 1994 and 1996.
- [Kawa86] K. Kawaguchi, R. Yamamoto, N. Hosoi, T. Shinjo and T. Takada, *J. Phys. Soc. Jpn* **55** (1986) 2375.
- [Kerr76] J. Kerr, *Rept. Brit. Assoc. Adv. Sci.* **5** (1876) 85.
- [Kerr77] J. Kerr, *Phil. Mag.* **3** (1877) 321.
- [Kim93] W.-S. Kim, M. Aderholz and W. Kleemann, *Meas. Sci. Technol.* **4** (1993) 1257.
- [Kim95] W.-S. Kim, W. Kleemann, U. von Hörsten and W. Keune, *Proc. 3rd Int. Symp. Phys. Magn. Mat.*, Seoul (1995) 982.
- [Kim96] W.-S. Kim, W. Kleemann, S. Neumann J. Tappert, B. Scholz and W. Keune, *J. Magn. Magn. Mater.* **156** (1996) 191.
- [Kim97] W.-S. Kim, unpublished.
- [Kim98a] W.-S. Kim, W. Andrä and W. Kleemann, *Phys. Rev. B* **58** (1998) 6346.
- [Kim98b] W.-S. Kim, W. Kleemann, J. Tappert and W. Keune, *J. Appl. Phys.* **84** (1998) 4384.
- [Kim98c] W.-S. Kim, W. Kleemann, R.A. Brand and W. Keune, *J. Phys. Cond. Matter.* (1998) submitted.
- [Kitt86] Ch. Kittel, *Introduction to solid state physics*, 10th edition (Wiley & Sons, New York, 1986) Chapters 1 and 15.

- [Klei88] M.V. Klein und T.E. Furtak, *Optik* (Springer-Verlag, Berlin, 1988) 457.
- [Kohl92] J. Kohlhepp, H.J. Elmers, S. Cordes and U. Gradmann, *Phys. Rev. B* **45** (1992) 12287.
- [Krin65] G.S. Krinchik and V.A. Artem'ev, *Sov. Phys. JETP* **26**, 1080 (1965).
- [Kris88] R. Krishnan, M. Porte, M. Tessier, J.P. Vitton and Y. Le Cars, *IEEE Trans. Magn.* **MAG-24** (1988) 1773.
- [Kris93] R. Krishnan, T. Sikora and Š. Višnovský, *J. Magn. Magn. Mater.* **118**, 52 (1993).
- [Kron89] H. Kronmüller, in *Recent Advances in Magnetism and Magnetic Materials*, edited by H.L. Huang and P.C. Kuo (World Scientific, Singapore, 1990) 1.
- [Kryd85] M.H. Kryder, *J. Appl. Phys.* **57** (1985) 3913.
- [Land62] Landolt-Börnstein, *Zahlenwerte und Funktionen*, Bd. II, Teil 8, 6. Auflage (Springer-Verlag, Berlin, 1962) 3-551.
- [Land91] J. Landes, Ch. Sauer, B. Kabius and W. Zinn, *Phys. Rev. B* **44** (1991) 8342.
- [Leam78] H.J. Leamy and A.G. Dirks, *J. Appl. Phys.* **49** (1978) 3430; *ibid.* **50** (1979) 2871.
- [Li92] Y. Li and K. Baberschke, *Phys. Rev. Lett.* **68** (1992) 1208.
- [Liu88] C. Liu, E.R. Moog and S.D. Bader, *Phys. Rev. Lett.* **60** (1988) 2422.
- [Ma76] S.-K. Ma, *Modern Theory of Critical Phenomena* (Benjamin, New York, 1976).
- [Malm82] R. Malmhäll and T. Chen, *J. Appl. Phys.* **53** (1982) 7843, and references therein.
- [Mans95] M. Mansuripur, *The Physical Principles of Magneto-optical recording* (Cambridge University Press, Cambridge, 1995) 586.
- [Mark98] O. Marks, J. Voiron, T. Ruckert, J. Tappert, W. Keune, W.-S. Kim and W. Kleemann, *IEEE Trans. Magn.* **MAG** (1998) in press.
- [Mibu93] K. Mibu, N. Hosoito and T. Shinjo, *J. Magn. Magn. Mater.* **126** (1993) 343.
- [Mizo79] T. Mizoguchi and G.S. Cargill III, *J. Appl. Phys.* **50** (1979) 3570.
- [Mori85] T. Morishita, Y. Togami and K. Tsushima, *J. Phys. Soc. Jpn.* **54** (1985) 37.
- [Nede85] P.Q.J. Nederpel and J.W.D. Martens, *Rev. Sci. Instrum.* **56** (1985) 687.
- [Néel54] L. Néel, *Le Journal de Physique et le Radium* **15** (1954) 225.
- [Nowa97] U. Nowak, J. Heibel, Th. Kleinefeld and D. Weller, *Phys. Rev. B* **56** (1997) 8143.
- [Ochi89] Y. Ochiai, S. Hashimoto, K. Aso, *IEEE Trans. Magn.* **MAG-25** (1989) 3755.
- [Oliv97] J.C. Oliveira de Jesus and W. Kleemann, *J. Magn. Magn. Mater.* **169** (1997) 159.
- [Onsa52] L. Onsager, *Phys. Rev.* **65** (1944) 117.
- [Pear79] R.F. Pearson, in *Experimental Magnetism*, edited by G.M. Kalvius and R.S. Tebble (John Wiley & Sons, Chichester, 1979) 138.

- [Pech91] M.J. Pechan, M.E. Bait and B.D. Paul, *J. Appl. Phys.* **69** (1991) 5085.
- [Péni95] G. Péniard, P. Mayer, J. Ferré and D. Renard, *J. Magn. Magn. Mater.* **146** (1995) 55.
- [Pier91] F. Pierre, P. Boher, H. Kergoat, Ph. Houdy, J. Ferré and G. Péniard, *J. Appl. Phys.* **69** (1991) 4565.
- [Rau93] C. Rau, P. Mahavadi and M.Z. Lu, *J. Appl. Phys.* **73** (1993) 6757.
- [Reim88] W. Reim and D. Weller, *IEEE Trans. Magn.* **MAG-24** (1988) 2308.
- [Rich95] F. Richomme, unpublished.
- [Rich96a] F. Richomme, B. Scholz, R. A. Brand, W. Keune and J. Teillet, *J. Magn. Magn. Mater.* **156**, 195 (1996).
- [Rich96b] F. Richomme, J. Teillet, A. Fnidiki, P. Auric and Ph. Houdy, *Phys. Rev. B* **54** (1996) 416.
- [Robi89] C.J. Robinson, M.G. Samant and E.E. Marinero, *Appl. Phys. A* **49** (1989) 619.
- [Ruck97] T. Ruckert, J. Tappert, R.A. Brand and W. Keune, *J. Magn. Magn. Mater.* **165** (1997) 411.
- [Sato81] K. Sato, *Jpn. J. Appl. Phys.* **20** (1981) 2403.
- [Sato84] N. Sato, Y. Aoki and S. Miyaoka, *IEEE Trans. Magn.* **MAG-20** (1984) 1022.
- [Sato85] R. Sato, N. Saito und Y. Togami, *Jpn. J. Appl. Phys.* **24** (1985) L266.
- [Sato86] N. Sato, *J. Appl. Phys.* **59** (1986) 2514.
- [Sato87a] N. Sato, K. Habu and T. Oyama, *IEEE Trans. Magn.* **MAG-23** (1987) 2614.
- [Sato87b] N. Sato and K. Habu, *J. Appl. Phys.* **61** (1987) 4287.
- [Schm85] F. Schmidt, W. Rave and A. Hubert, *IEEE Trans. Magn.* **MAG-21** (1985) 1596.
- [Scho91] B. Scholz, R.A. Brand, W. Keune, U. Kirschbaum, E.F. Wassermann, K. Mibu and T. Shinjo, *J. Magn. Magn. Mater.* **93** (1991) 499.
- [Scho92] B. Scholz, R.A. Brand and W. Keune, *J. Magn. Magn. Mater.* **104-107** (1992) 1889.
- [Scho94a] B. Scholz, R.A. Brand and W. Keune, *Phys. Rev. B* **50** (1994) 2537.
- [Scho94b] B. Scholz, Ph.D. Thesis, Gerhard-Mercator-Universität-Duisburg, 1994.
- [Schu93] P.J. Schurer, Z. Celinski and B. Heinrich, *Phys. Rev. B* **48** (1993) 2577.
- [Schu95a] O. Schulte, F. Klose and W. Felsch, *Phys. Rev. B* **52** (1995) 6480.
- [Schu95b] P.J. Schurer, Z. Celinski and B. Heinrich, *Phys. Rev. B* **51** (1995) 2506.
- [Shan88] Z.S. Shan, S. Nafis, K.D. Aylesworth and D.J. Sellmyer, *J. Appl. Phys.* **63** (1988) 3218.

- [Shan90] Z. S. Shan and D. J. Sellmyer, Phys. Rev. B **42**, 10433 (1990); S. Shan, D. J. Sellmyer, S.S. Jaswal, Y. J. Wang and J. X. Shen, *ibid.* **42**, 10466 (1990).
- [Shin87] S.-C. Shin, J. Appl. Phys. **61** (1987) 3340.
- [Ston48] E.C. Stoner and E.P. Wohlfarth, Trans. Roy. Soc. (London) A **240** (1948) 599.
- [Suna86] A. Suna, J. Appl. Phys. **59** (1986) 313.
- [Suzu87] Y. Suzuki, S. Takayama, F. Kirino and N. Ohta, IEEE Trans. Magn. **MAG-23** (1987) 2275.
- [Taka79] H. Takagi, S. Tsunashima and S. Uchiyama and T. Fujii, J. Appl. Phys. **50** (1979) 1642.
- [Take91] Y. Takeno, M. Suwabe and K. Goto, J. Magn. Magn. Mater. **93** (1991) 237.
- [Tapp94] J. Tappert, J. Jungermann, B. Scholz, R.A. Brand and W. Keune, J. Appl. Phys. **76** (1994) 6293.
- [Tapp96] J. Tappert, F. Klose, Ch. Rehm, W.S. Kim, R.A. Brand, H. Maletta, W. Keune, J. Magn. Magn. Mater. **156** (1996) 58.
- [Tapp98] J. Tappert, Ph.D. Thesis, Gerhard-Mercator-Universität-Duisburg, 1998.
- [Trae92] G. Traeger, L. Wenzel and A. Hubert, Phys. Stat. Sol. (a) **131** (1992) 201.
- [Vale94] J. Valentin, Th. Kleinefeld and D. Weller, J. Appl. Phys. **75** (1994) 7102.
- [Višn95] Š. Višnovský, M. Nývlt, V. Prosser, R. Lopušník, R. Urban, J. Ferré, G. Pénissard, D. Renard and R. Krishnan, Phys. Rev. B **52** (1995) 1090.
- [Vlec37] J.H. van Vleck, Phys. Rev. **52** (1937) 1178.
- [Wang90] Y.J. Wang and Q.W. Leng, Phys. Rev. B **41** (1990) 651.
- [Wang91] Y.J. Wang and W. Kleemann, Phys. Rev. B **44** (1991) 5132.
- [Wang92] Y.J. Wang and W. Kleemann, J. Magn. Magn. Mater. **115** (1992) 9.
- [Wang93] Y.J. Wang, C.P. Luo, W. Kleemann, B. Scholz, R.A. Brand and W. Keune, J. Appl. Phys. **73** (1993) 6907.
- [Yan91] X. Yan, M. Hirscher, T. Egami and E.E. Marinero, Phys. Rev. B **43** (1991) 9300.
- [Yang52] C.N. Yang, Phys. Rev. **85** (1952) 808.
- [Yasu81] S. Yasugi, S. Honda, M. Ohkoshi and T. Kusuda, J. Appl. Phys. **52** (1981) 2298.