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Bibliography

[1] R. J. Hunter, *Foundations of Colloid Science* (Oxford University Press, Oxford, 1993).

[2] *Modern Aspects of Colloidal Dispersions*, edited by R. H. Ottewill and A. R. Rennie (Kluwer, Dordrecht, 1998).

[3] P. N. Pusey, in *Liquids, Freezing and the Glass Transition*, edited by J. P. Hansen, D. Levesque, and J. Zinn-Justin (Elsevier, Amsterdam, 1991).

[4] F. J. Arriagada and K. Osseo-Asare, in *The Colloid Chemistry of Silica*, edited by H. E. Bergna (Am. Chem. Soc., Washington DC, 1994).

[5] D. J. Pine, D. A. Weitz, G. Maret, P. E. Wolf, E. Herbolzheimer, and P. M. Chaikin, in *Scattering and Localization of Classical Waves in Random Media*, edited by P. Sheng (World Scientific, Singapore, 1990).

[6] G. Grübel and D. L. Abernathy, in *Coherent Electron- Beam X-Ray Sources: Techniques and Applications*, edited by A. K. Freund, H. P. Freund, and M. R. Howells, Proc. SPIE **3154**, 103 (1997).

[7] A. J. C. Ladd, Phys. Rev. Lett. **76**, 1392 (1996); P. N. Segrè, E. Herbolzheimer, and P. M. Chaikin, Phys. Rev. Lett. **79**, 2574 (1997).

[8] H. Tanaka and T. Araki, Phys. Rev. Lett. **85**, 1338 (2000).

[9] G. Nägele, Phys. Rep. **272**, 215 (1996).

[10] M. Megens, *Structure and fluorecence of photonic colloidal crystals*, Ph.D. thesis, Universiteit van Amsterdam (1999).

[11] F. J. P. Schuurmans, *Light in complex dielectrics*, Ph.D. thesis, Universiteit van Amsterdam (1999).

[12] C. A. Condat and T. R. Kirkpatrick, in *Scattering and Localization of Classical Waves in Random Media*, edited by P. Sheng (World Scientific, Singapore, 1990).

[13] J. Liu, L. Ye, D. A. Weitz, and P. Sheng, Phys. Rev. Lett. **65**, 2602 (1990); L. Ye, J. Liu, P. Sheng, and D. A. Weitz, Phys. Rev. E **48**, 2805 (1993).

[14] B. J. Berne and R. Pecora, *Dynamic Light Scattering* (Wiley, New York, 1976).

[15] D. O. Riese, W. L. Vos, G. H. Wegdam, F. J. Poelwijk, D. L. Abernathy, and G. Grübel, Phys. Rev. E **61**, 1676 (2000).

[16] D. L. Abernathy, G. Grübel, S. Brauer, I. McNulty, G. B. Stephenson, S. G. J. Mochrie, A. R. Sandy, N. Mulders, and M. Sutton, J. Synchrotron Rad. **5**, 37 (1997).

[17] G. Grübel, D. L. Abernathy, D. O. Riese, W. L. Vos, and G. H. Wegdam, J. Appl. Christallogr. **33**, 424 (2000).

[18] H. C. van de Hulst, *Light Scattering by Small Particles* (Dover, New York, 1981).

[19] M. V. Meyer, D. S. Cannell, A. E. Smart, T. W. Taylor, and P. Tin, Appl. Opt. **36**, 7551 (1997).

[20] J. A. Lock, Appl. Opt. **36**, 7559 (1997).

[21] M. Drewel, J. Ahrens, and U. Podschus, J. Opt. Soc. Am. A **7**, 206 (1990).

[22] K. Schätzel, M. Drewel, and J. Ahrens, J. Phys.: Condens. Matter **2**, SA393 (1990).

[23] A. Moussaid and P. N. Pusey, Phys. Rev. E **60**, 5670 (1999).

[24] M. Kroon, *Structure and formation of a gel of colloidal discs*, Ph.D. thesis, Universiteit van Amsterdam (1998).

[25] L. D. Landau and E. M. Lifshitz, *Fluid Mechanics* (Pergamon, London, 1959).

[26] S. M. Lindsay, S. Burgess, and I. W. Shepherd, Appl. Opt. **16**, 1404 (1977).

[27] *Handbook of Chemistry and Physics*, 73rd edition, edited by D. R. Lide (CRC Press, Boca Raton, 1992).

[28] L. Bergmann, *Der Ultraschall* (S. Hirzel Verlag, Zürich, 1954).

[29] F. J. Poelwijk, *Correlatiespectroscopie aan colloidale suspensies*, Verslag Eigen Werk 3, Universiteit van Amsterdam (1998).

[30] J. Ballato, J. Dimaio, A. James, and E. Gulliver, Appl. Phys. Lett. **75**, 1497 (1999).

[31] M. Megens, C. M. van Kats, P. Bösecke, and W. L. Vos, Langmuir **13**, 6120 (1997); J. Appl. Cryst. **30**, 637 (1997).

[32] *Laser Speckle and Related Phenomena*, edited by J. C. Dainty (Springer, New York, 1989).

[33] B. Chu, *Laser Light Scattering* (Academic, San Diego, 1991).

[34] S. B. Dierker, R. Pindak, R. M. Fleming, I. K. Robinson, and L. Berman, Phys. Rev. Lett. **75**, 449 (1995).

[35] T. Thurn-Albrecht, W. Steffen, A. Patkowski, G. Meier, E. W. Fischer, G. Grübel and D. L. Abernathy, Phys. Rev. Lett. **77**, 5437 (1996).

[36] S. G. J. Mochrie, A. M. Mayers, A. R. Sandy, M. Sutton, S. Brauer, G. B. Stephenson, D. L. Abernathy, and G. Grübel, Phys. Rev. Lett. **78**, 1275 (1996).

[37] O. K. C. Tsui and S. G. J. Mochrie, Phys. Rev. E **57**, 2030 (1997).

[38] T. Thurn-Albrecht, G. Meier, P. Müller-Buschbaum, A. Patkowski, W. Steffen, G. Grübel, D. L. Abernathy, O. Diat, M. Winter, M. G. Koch, and M. T. Reetz, Phys. Rev. E **59**, 642 (1998).

[39] G. D. J. Philies, J. Chem. Phys. **74**, 260 (1981); Phys. Rev. A **24**, 1939 (1981).

[40] J. K. G. Dhont and C. G. de Kruif, J. Chem. Phys. **79**, 1658 (1983); H. J. Mos, C. Pathmamanoharan, J. K. G. Dhont, and C. G. de Kruif, J. Chem. Phys. **84**, 45 (1985).

[41] U. Nobbmann, S. W. Jones, and B. J. Ackerson, Appl. Opt. **36**, 7571 (1997).

[42] G. Grübel, A. Robert, and D. L. Abernathy, in *Slow Dynamics in Complex Systems*, 8th Tohwa University International Symposium, edited by M. Tokuyama and I. Oppenheim (1999).

[43] G. Nägele, P. Baur, Physica A **245**, 297 (1996).

[44] J. K. G. Dhont, Physica A **120**, 238 (1983); Physica A **129**, 374 (1985).

[45] P. Stepanek, J. Chem. Phys. **99**, 6384 (1993).

[46] B. Cichocki and B. U. Felderhof, J. Chem. Phys. **94**, 556 (1991); J. Chem. Phys. **94**, 563 (1991).

[47] C. W. J. Beenakker and P. Mazur, Physica A **120**, 388 (1983); Physica A **126**, 349 (1984).

[48] W. B. Russel and A. B. Glendinning, J. Chem. Phys. **74**, 948 (1981).

[49] M. Watzlawek and G. Nägele, J. Colloid Interface Sci. **214**, 170 (1999).

[50] G. K. Batchelor, J. Fluid Mech. **74**, 1 (1976).

[51] A. P. Philipse and A. Vrij, J. Chem. Phys. **88**, 6459 (1988).

[52] J. K. Phalakornkul, A. P. Gast, R. Pecora, G. Nägele, A. Ferrante, B. Mandl-Steininger, and R. Klein, Phys. Rev. E **54**, 661 (1996).

[53] W. Härtl, Ch. Beck, and R. Hempelmann, J. Chem. Phys. **110**, 7070 (1999).

[54] I. Snook, W. van Megen, R. J. A. Tough, J. Chem. Phys. **78**, 5825 (1983).

[55] D. L. Koch and E. S. G. Shaqfeh, J. Fluid Mech. **224**, 275 (1991); M. P. Brenner, Phys. Fluids **11**, 754 (1999).

[56] L. Durlofsky and J. F. Brady, Phys. Fluids **30**, 3329 (1987).

[57] K. F. Freed and S. F. Edwards, J. Chem. Phys. **61**, 3626 (1974).

[58] M. Muthukumar, J. Chem. Phys. **107**, 2619 (1997).

[59] K. F. Freed and M. Muthukumar, J. Chem. Phys. **68**, 2088 (1978); M. Muthukumar and K. F. Freed, J. Chem. Phys. **70**, 5875 (1979); M. Muthukumar, J. Chem. Phys. **77**, 959 (1982).

[60] P. J. Mucha, I. Goldhirsch, S. A. Orszag, and M. Vergassola, Phys. Rev. Lett. **83**, 3414 (1999).

[61] P. N. Segrè, O. P. Behrend, and P. N. Pusey, Phys. Rev. E **52**, 5070 (1995).

[62] A. J. C. Ladd, H. Gang, J. X. Zhu, and D. A. Weitz, Phys. Rev. E **52**, 6550 (1995).

[63] L. B. Lurio, D. Lumma, A. R. Sandy, M. A. Borthwick, P. Falus, S. G. J. Mochrie, J. F. Pelletier, M. Sutton, L. Regan, A. Malik, and G. B. Stephenson, Phys. Rev. Lett. **84**, 785 (2000).

[64] U. Genz and R. Klein, Physica A **171**, 26 (1991).

[65] G. Nägele, O. Kellerbauer, R. Krause, and R. Klein, Phys. Rev. E **47**, 2562 (1993).

[66] A. J. Banchio, G. Nägele, and J. Bergenholtz, J. Chem. Phys. **111**, 8721 (1999).

[67] M. Kroon, G. H. Wegdam, and R. Sprik, Phys. Rev. E **54**, 6541 (1996).

[68] W. L. Vos, M. Megens, C. M. van Kats, and P. Bösecke, Langmuir **13**, 6004 (1997).

[69] J. P. Hansen and I. R. McDonald, *Theory of Simple Liquids* (Academic, London, 1986).

[70] F. Grüner and W. P. Lehmann, J. Phys. A: Math. Gen. **15**, 2847 (1982).

[71] J. P. Hansen and L. Verlet, Phys. Rev. **184**, 151 (1969).

[72] P. Mazur and W. van Saarloos, Physica A **115**, 21 (1982).

[73] B. Dünweg, J. Chem. Phys. **99**, 6977 (1993).

[74] E. G. D. Cohen, R. Verberg, and I. M. de Schepper, Physica A **251**, 251 (1998).

[75] E. G. D. Cohen and I. M. de Schepper, Phys. Rev. Lett. **75**, 2252 (1995).

[76] D. A. Weitz and J. C. Ladd, Phys. Rev. Lett. **75**, 2253 (1995).

[77] C. W. J. Beenakker, Physica A **128**, 48 (1984).

[78] B. Cichocki and B. U. Felderhof, J. Chem. Phys. **89**, 3705 (1988).

[79] D. M. Jones, M. Muthukumar. and S. M. Cohen, J. Chem. Phys. **90**, 7542 (1989).

[80] H. J. H. Clercx and P. P. J. M. Schram, Physica A **174**, 293 (1991).

[81] M. Watzlawek and G. Nägele, Phys. Rev. E **56**, 1258 (1997).

[82] J. F. Brady, J. Chem. Phys. **99**, 567 (1993).

[83] W. G. Hoover and F. H. Ree, J. Chem. Phys. **49**, 3609 (1968).

[84] R. Verberg, I. M. de Schepper, and E. G. D. Cohen, Phys. Rev. E **55**, 3143 (1996).

[85] I. M. de Schepper, E. G. D. Cohen, P. N. Pusey, and H. N. W. Lekkerkerker, J. Phys.: Condens. Matter **1**, 6503 (1989); P. N. Pusey, H. N. W. Lekkerkerker, E. G. D. Cohen, and I. M. de Schepper, Physica A **164**, 12 (1990); R. Verberg, *Transport Properties in Concentrated Colloidal Suspensions*, Ph.D. thesis, Delft University of Technology (1998).

[86] For a review see J. R. Dorfman and H. van Beijeren, in *Modern Theoretical Chemistry*, Vol. 5, Part B, edited by B. J. Berne (Plenum Press, New York, 1977).

[87] M. Tokuyama and I. Oppenheim, Phy. Rev. E **50**, R16 (1994); Physica A **216**, 85 (1995).

[88] A. J. C. Ladd, J. Chem. Phys. **93**, 3484 (1990).

[89] K. Kawasaki, Ann. Phys. (NY) **61**, 1 (1970); for a review see T. Keyes, in *Modern Theoretical Chemistry*, Vol. 5, Part B, edited by B. J. Berne (Plenum Press, New York, 1977).

[90] L. Verlet and J. J. Weiss, Phys. Rev. A **5**, 939 (1971).

[91] *Landolt-Börnstein, Zahlenwerte und Funktionen*, Band II, Teil 5a (Springer Verlag, Berlin, 1969).

[92] D. O. Riese and G. H. Wegdam, Phys. Rev. Lett. **82**, 1676 (1999).

[93] *Scattering and Localization of Classical Waves in Random Media*, edited by P. Sheng (World Scientific, Singapore, 1990).

[94] P. Sheng, *Introduction to Wave Scattering, Localization, and Mesoscopic Phenomena* (Academic, San Diego, 1995).

[95] *Photonic Band Gaps and Localization*, edited by C. M. Soukoulis (Plenum, New York, 1993).

[96] D. S. Wiersma, P. Bartolini, A. Lagendijk and R. Righini, Nature **390**, 671 (1997).

[97] J. H. Page, P. Sheng, H. P. Schriemer, I. Jones, X. Jing, and D. A. Weitz, Science **271**, 634 (1996); J. H. Page, H. P. Schriemer, A. E. Bailey, and D. A. Weitz, Phys. Rev. E **52**, 3106 (1995); J. H. Page, H. P. Schriemer, I. P. Jones, P. Sheng, and D. A. Weitz, Physica A **241**, 64 (1997).

[98] H. P. Schriemer, M. L. Cowan, J. H. Page, P. Sheng, Z. Liu, and D. A. Weitz, Phys. Rev. Lett. **79**, 3166 (1997).

[99] L. Schwartz and T. J. Plona, J. Appl. Phys. **55**, 3971 (1984).

[100] A. Lagendijk and B. A. van Tiggelen, Phys. Rep. **270**, 143 (1996).

[101] For a review see D. L. Johnson, in *Proceedings of the International School of Physics "Enrico Fermi"*, Course XCIII "Frontiers in Physical Acoustics", edited by D. Setter (North Holland, Amsterdam, 1986).

[102] M. A. Biot, J. Appl. Phys. **33**, 1482 (1962).

[103] R. Sprik and G. H. Wegdam, Solid State Commun. **106**, 77 (1998).

[104] M. L. Cowan, K. Beaty, J. H. Page, Z. Liu, and P. Sheng, Phys. Rev. E **58**, 6626 (1998).

[105] X. Jing, P. Sheng, and M. Zhou, Phys. Rev. Lett. **66**, 1240 (1990); Phys. Rev. A **46**, 6513 (1992); P. Sheng, X. Jing, M. Zhou, Physica A **207**, 37 (1994).

[106] L. D. Landau and E. M. Lifshitz, *Theory of Elasticity* (Pergamon, London, 1959).

[107] A. B. Wood, *A Textbook of Sound* (G. Bell and Sons, London, 1930).

[108] P. N. Sen and D. L. Johnson, Phys. Rev. B **27**, 3133 (1983).

[109] D. L. Johnson and P. N. Sen, Phys. Rev. B **24**, 2486 (1981).

[110] M. Kafesaki and E. N. Economou, Europhys. Lett. **37**, 7 (1997).

[111] A. S. Dukhin and P. J. Goetz, Langmuir **12**, 4987 (1996).

[112] G. Zerah and J.-P. Hansen, J. Chem. Phys. **84**, 2336 (1986).

[113] B. D'Aguanno and R. Klein, J. Chem. Soc. Faraday Trans. **87**, 379 (1991).

[114] W. L. Vos, *Phase equilibria in simple systems at high pressure*, Ph.D. thesis, Universiteit van Amsterdam (1991).

[115] V. Vlachy, C. Pohar, and A. D. J. Haymet, J. Chem. Phys. **88**, 2066 (1988).