

Reference	Digital Source - doi	1 <sup>st</sup> Author	Year	Model	Notes
A. Ziya Akcasu, M. Benmouna, H. Benoit 'Application of random phase approximation to the dynamics of polymer blends and copolymers' <i>Polymer</i> , <b>27</b> , (1986), 1935-1942.	<a href="http://dx.doi.org/10.1016/0032-3861(86)90185-0">http://dx.doi.org/10.1016/0032-3861(86)90185-0</a>	Akcasu	1986	RPA copolymers	
A. Z. Akcasu, R. Klein, B. Hammouda, 'Dynamics of multicomponent polymer mixtures via the random phase approximation including hydrodynamic interactions' <i>Macromolecules</i> <b>26</b> , (1993), 4136-4143.	<a href="http://dx.doi.org/10.1021/ma00068a011">http://dx.doi.org/10.1021/ma00068a011</a>	Akcasu	1993	RPA	Mixtures
Cassio Alves, Jan Skov Pedersen, Cristiano Luis Pinto Oliveira 'Modelling of high-symmetry nanoscale particles by small-angle scattering' <i>J. Appl. Cryst.</i> <b>47</b> , (2014), 84-94,	<a href="http://dx.doi.org/10.1107/S1600576713028549">http://dx.doi.org/10.1107/S1600576713028549</a>	Alves	2014	Polyhedra	
Cassio Alves, Jan Skov Pedersen, Cristiano L. P. Oliveira 'Calculation of two-dimensional scattering patterns for oriented systems' <i>J. Appl. Cryst.</i> <b>50</b> , (2017), 840-850.	<a href="http://dx.doi.org/10.1107/S1600576717005179">http://dx.doi.org/10.1107/S1600576717005179</a>	Alves	2017	2-dimensional	
Lise Arleth, Charlotte Vermehren 'An analytical model for the small-angle scattering of polyethylene glycol-modified liposomes' <i>J. Appl. Cryst.</i> <b>43</b> , (2010), 1084-1091.	<a href="http://dx.doi.org/10.1107/S0021889810026257">http://dx.doi.org/10.1107/S0021889810026257</a>	Arleth	2010	Liposomes	
N. W. Ashcroft, D. C. Langreth, 'Structure of Binary Liquid Mixtures. I' <i>Physical Review</i> , <b>156</b> , (1967), 685-692.	<a href="http://dx.doi.org/10.1103/PhysRev.156.685">http://dx.doi.org/10.1103/PhysRev.156.685</a>	Ashcroft	1967	Hard sphere structure factor	
N. W. Ashcroft, D. C. Langreth, 'Structure of Binary Liquid Mixtures. I (Errata)' <i>Phys. Rev.</i> <b>166</b> , (1968), 934.	<a href="http://dx.doi.org/10.1103/PhysRev.166.934.2">http://dx.doi.org/10.1103/PhysRev.166.934.2</a>	Ashcroft	1968	Hard sphere structure factor	Errata
H. D. Bale, P. W. Schmidt, 'Small-Angle X-Ray-Scattering Investigation of Submicroscopic Porosity with Fractal Properties' <i>Phys. Rev. Lett.</i> <b>53</b> , (1984), 596-599.	<a href="http://dx.doi.org/10.1103/PhysRevLett.53.596">http://dx.doi.org/10.1103/PhysRevLett.53.596</a>	Bale	1984	Surface fractal	

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G. Beaucage 'Approximations Leading to a Unified Exponential/Power-Law Approach to Small-Angle Scattering' <i>J. Appl. Cryst.</i> , <b>28</b> , (1995), 717-728.	<a href="http://dx.doi.org/10.1107/S0021889895005292">http://dx.doi.org/10.1107/S0021889895005292</a>	Beaucage	1995	Beaucage	
G. Beaucage, 'Small-Angle Scattering from Polymeric Mass Fractals of Arbitrary Mass-Fractal Dimension' <i>J. Appl. Cryst.</i> <b>29</b> , (1996), 134-146.	<a href="http://dx.doi.org/10.1107/S0021889895011605">http://dx.doi.org/10.1107/S0021889895011605</a>	Beaucage	1996	Beaucage	
Dalila Bendedouch, Sow Hsin Chen, W. C. Koehler, J. S. Lin 'A method for determination of intra and interparticle structure factors of macroions in solution from small angle neutron scattering' <i>J. Chem. Phys.</i> <b>76</b> , (1982), 5022-5026.	<a href="http://dx.doi.org/10.1063/1.442849">http://dx.doi.org/10.1063/1.442849</a>	Bendedouch	1982	Macroions	
H. Benoit 'On the Effect of Branching and Polydispersity on the Angular Distribution of the Light Scattered by Gaussian Coils' <i>Journal of Polymer Science</i> <b>11</b> , (1953), 507-510.	<a href="http://dx.doi.org/10.1002/pol.1953.120110512">http://dx.doi.org/10.1002/pol.1953.120110512</a>	Benoit	1953	Star polymer	
H. Benoit, 'La Diffusion de La Lumiere par des Macromolecules en Chaines en Solution dans un Bon Solvant' <i>Comptes Rendus</i> <b>245</b> , (1957), 2244-2247.		Benoit	1957	Excluded volume	
H. Benoit, W. Wu, M. Benmouna, B. Mozer, B. Bauer, A. Lapp 'Elastic coherent scattering from multicomponent systems. Application to homopolymer mixtures and copolymers' <i>Macromolecules</i> , <b>18</b> , (1985), 986-993.	<a href="http://dx.doi.org/10.1021/ma00147a030">http://dx.doi.org/10.1021/ma00147a030</a>	Benoit	1985	Copolymers	
Jörg Berghausen, Johannes Zipfel, Peter Lindner, Walter Richtering 'Influence of Water-Soluble Polymers on the Shear-Induced Structure Formation in Lyotropic Lamellar Phases' <i>J. Phys. Chem. B</i> <b>105</b> , (2001), 11081-11088.	<a href="http://dx.doi.org/10.1021/jp0115897">http://dx.doi.org/10.1021/jp0115897</a>	Berghausen	2001	Lamellar	

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M. Bergström, J. S. Pedersen, P. Schurtenberger, S. U. Egelhaaf, 'Small-Angle Neutron Scattering (SANS) Study of Vesicles and Lamellar Sheets Formed from Mixtures of an Anionic and a Cationic Surfactant' <i>J. Phys. Chem. B</i> , <b>103</b> (1999) 9888-9897.	<a href="http://dx.doi.org/10.1021/jp991846w">http://dx.doi.org/10.1021/jp991846w</a>	Bergstrom	1999	Lamellar paracrystal	
S. Berr, 'Solvent isotope effects on alkytrimethylammonium bromide micelles as a function of alkyl chain length' <i>J. Phys. Chem.</i> , <b>91</b> , (1987), 4760-4765.	<a href="http://dx.doi.org/10.1021/j100302a024">http://dx.doi.org/10.1021/j100302a024</a>	Berr	1987	Core-shell ellipsoid	
V. Yu. Boryu, I. Ya. Erukhimovich 'A statistical theory of weakly charged polyelectrolytes: fluctuations, equation of state and microphase separation' <i>Macromolecules</i> <b>21</b> , (1988), 3240-3249.	<a href="http://dx.doi.org/10.1021/ma00189a019">http://dx.doi.org/10.1021/ma00189a019</a>	Boryu	1988	Polyelectrolyte	
Ingo Breßler, Joachim Kohlbrecher, Andreas F. Thünemann 'SASfit: a tool for small-angle scattering data analysis using a library of analytical expressions' <i>J. Appl. Cryst.</i> <b>48</b> , (2015), 1587-1598.	<a href="http://dx.doi.org/10.1107/S1600576715016544">http://dx.doi.org/10.1107/S1600576715016544</a>	Bressler	2015	Size distributions, etc.	SASfit program
F. Brochard, P. G. de Gennes, 'Dynamics of compatible polymer mixtures' <i>Physica A</i> <b>118</b> , (1983), 289-299.	<a href="http://dx.doi.org/10.1016/0378-4371(83)90195-4">http://dx.doi.org/10.1016/0378-4371(83)90195-4</a>	Brochard	1983	RPA mixtures	
Wei-Ren Chen, Paul D. Butler, Linda J. Magid, 'Incorporating Intermicellar Interactions in the Fitting of SANS Data from Cationic Wormlike Micelles' <i>Langmuir</i> , <b>22</b> , (2006), 6539-6548.	<a href="http://dx.doi.org/10.1021/la0530440">http://dx.doi.org/10.1021/la0530440</a>	Chen	2006	Semiflexible polymer	Correction to Pedersen et al., 1996.
A. Yu. Cherny, E. M. Anitas, A. I. Kuklin, M. Balasoiaua, V. A. Osipov 'Scattering from generalized Cantor fractals' <i>J. Appl. Cryst.</i> <b>43</b> , (2010), 790-797.	<a href="http://dx.doi.org/10.1107/S0021889810014184">http://dx.doi.org/10.1107/S0021889810014184</a>	Cherny	2010	Fractal	

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Leonardo Chiappisi, Sylvain Prevost, Michael Gradzielski 'Form factor of cylindrical superstructures composed of globular particles' <i>J. Appl. Cryst.</i> <b>47</b> , (2014), 827-834.	<a href="http://dx.doi.org/10.1107/S1600576714005524">http://dx.doi.org/10.1107/S1600576714005524</a>	Chiappisi	2014	Composite cylinders	
Mahati Chintapalli, Ksenia Timachova, Kevin R. Olson, Michał Banaszak, Jacob L. Thelen, Sue J. Mecham, Joseph M. DeSimone, Nitash P. Balsara 'Incipient microphase separation in short chain perfluoropolyether-block-poly(ethylene oxide) copolymers' <i>Soft Matter</i> , <b>13</b> , (2017), 4047-4056.	<a href="http://dx.doi.org/10.1039/c7sm00738h">http://dx.doi.org/10.1039/c7sm00738h</a>	Chintapali	2017	Multiblock copolymers	
Salvino Ciccariello, Pietro Riello, Alvis Benedetti 'Small-angle scattering behavior of thread-like and film-like systems' <i>J. Appl. Cryst.</i> <b>49</b> , (2016), 260-276.	<a href="http://dx.doi.org/10.1107/S160057671502258X">http://dx.doi.org/10.1107/S160057671502258X</a>	Ciccariello	2016	Threads, Films	
D. Constantin 'Solution scattering from colloidal curved plates: barrel tiles, scrolls and spherical patches' <i>J. Appl. Cryst.</i> <b>48</b> , (2015), 1901-1906.	<a href="http://dx.doi.org/10.1107/S1600576715020695">http://dx.doi.org/10.1107/S1600576715020695</a>	Constantin	2015	Curved plates, scrolls, patches	
Bernard Croset 'Form factor of any polyhedron: a general compact formula and its singularities' <i>J. Appl. Cryst.</i> <b>50</b> , (2017), .	<a href="http://dx.doi.org/10.1107/S1600576717010147">http://dx.doi.org/10.1107/S1600576717010147</a>	Croset	2017	General polyhedra	
P. G. de Gennes, 'Theory of X-ray scattering by liquid macromolecules with heavy atom labels' <i>J. de Physique</i> , <b>31</b> , (1970), 235-238.	<a href="http://dx.doi.org/10.1051/jphys:01970003102-3023500">http://dx.doi.org/10.1051/jphys:01970003102-3023500</a>	de Gennes	1970	RPA solution	
P. Debye, 'Molecular-weight Determination by Light Scattering' <i>J. Phys. &amp; Coll. Chem.</i> , <b>51</b> , (1947), 18-32.	<a href="http://dx.doi.org/10.1021/j150451a002">http://dx.doi.org/10.1021/j150451a002</a>	Debye	1947	Gaussian Polymer	
P. Debye, A. M. Bueche 'Scattering by an Inhomogeneous Solid', <i>J. Appl. Phys.</i> <b>20</b> , (1949), 518-525.	<a href="http://dx.doi.org/10.1063/1.1698419">http://dx.doi.org/10.1063/1.1698419</a>	Debye	1949	Density fluctuations	
P. Debye, H. R. Anderson Jr., H. Brumberger, 'Scattering by an Inhomogeneous Solid. II. The Correlation Function and its Application' <i>J. Appl. Phys.</i> <b>28</b> , (1957), 679-683.	<a href="http://dx.doi.org/10.1063/1.1722830">http://dx.doi.org/10.1063/1.1722830</a>	Debye	1957	DAB	

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Paul-Joel Derian, Luc Belloni, Maurice Drifford 'Contribution of small ions to the scattered intensity in the hypernetted chain approximation: Application to micellar solutions' <i>J. Chem. Phys.</i> <b>86</b> , (1987), 5708-5715.	<a href="http://dx.doi.org/10.1063/1.452497">http://dx.doi.org/10.1063/1.452497</a>	Derian	1987	HNC counter-ions	
A. V. Dobrynin, M. Rubinstein, S. P. Obukhov, 'Cascade of Transitions of Polyelectrolytes in Poor Solvents' <i>Macromolecules</i> <b>29</b> , (1996), 2974-2979.	<a href="http://dx.doi.org/10.1021/ma9507958">http://dx.doi.org/10.1021/ma9507958</a>	Dobrynin	1996	Pearls	
William D. Dozier, John S. Huang, Lewis J. Fetters 'Colloidal nature of star polymer dilute and semidilute solutions' <i>Macromolecules</i> , <b>24</b> , (1991), 2810-2814.	<a href="http://dx.doi.org/10.1021/ma00010a026">http://dx.doi.org/10.1021/ma00010a026</a>	Dozier	1991	Star polymers	
G. Evmenenko, E. Theunissen, K. Mortensen, H. Reynaers, 'SANS study of surfactant ordering in $\kappa$ -carrageenan/cetylpyridinium chloride complexes' <i>Polymer</i> <b>42</b> , (2001), 2907-2913.	<a href="http://dx.doi.org/10.1016/S0032-3861(00)00674-1">http://dx.doi.org/10.1016/S0032-3861(00)00674-1</a>	Evmenenko	2001	Gel - Gaussian-Lorentzian	
L. W. Fisher, S. M. Melpolder, J. M. O'Reilly, V. Ramakrishnan, G. D. Wignall 'Neutron Scattering from Interfacially Polymerized Core-Shell Latexes' <i>Journal of Colloid and Interface Science</i> , <b>123</b> , (1988), 24-35.	<a href="http://dx.doi.org/10.1016/0021-9797(88)90217-2">http://dx.doi.org/10.1016/0021-9797(88)90217-2</a>	Fisher	1988	Core-shell particles	
Gerhard Fritz, Alexander Bergmann 'Interpretation of small-angle scattering data of inhomogeneous ellipsoids' <i>J. Appl. Cryst.</i> <b>37</b> , (2004), 815-822.	<a href="http://dx.doi.org/10.1107/S0021889804017959">http://dx.doi.org/10.1107/S0021889804017959</a>	Fritz	2004	Ellipsoids - non-uniform	
Cedric J. Gommès 'Small-angle scattering and scale-dependent heterogeneity' <i>J. Appl. Cryst.</i> <b>49</b> , (2016), .	<a href="http://dx.doi.org/10.1107/S1600576716007810">http://dx.doi.org/10.1107/S1600576716007810</a>	Gommès	2016	Statistic of fluctuations	
Daniel G. Greene, Daniel V. Ferraro, Abraham M. Lenhoff, Norman J. Wagner 'A critical examination of the decoupling approximation for small-angle scattering from hard ellipsoids of revolution' <i>J. Appl. Cryst.</i> <b>49</b> , (2016), 1734-1739.	<a href="http://dx.doi.org/10.1107/S1600576716012929">http://dx.doi.org/10.1107/S1600576716012929</a>	Greene	2016	Decoupling approximation	Numerical comparison of Kotlarchyk and Chen with Monte Carlo

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I. H. Hall, E. A. Mahmoud, P. D. Carr, Y. D. Geng, 'Small-angle-X-ray scattering by crystalline polymer fibres 1. Experimental method and investigation of the linear paracrystalline model' <i>Colloid &amp; Polymer Science</i> , <b>265</b> , (1987), 383-393.	<a href="http://dx.doi.org/10.1007/BF01412216">http://dx.doi.org/10.1007/BF01412216</a>	Hall	1987	Fibre, paracrystal	
B. Hammouda, 'SANS from Homogeneous Polymer Mixtures - A Unified Overview', <i>Advances in Polymer Science</i> <b>106</b> , (1993), 87-133.	<a href="http://dx.doi.org/10.1007/BFb0025862">http://dx.doi.org/10.1007/BFb0025862</a>	Hammouda	1993	RPA - homopolymers, copolymers	See correction for A <sub>p</sub>
B. Hammouda, D. L. Ho, S. R. Kline, 'Insight into Clustering in Poly(ethylene oxide) Solutions' <i>Macromolecules</i> <b>37</b> , (2004), 6932-6937.	<a href="http://dx.doi.org/10.1021/ma049623d">http://dx.doi.org/10.1021/ma049623d</a>	Hammouda	2004	Polymer correlation length	
Boualem Hammouda 'A new Guinier–Porod model' <i>J. Appl. Cryst.</i> <b>43</b> , (2010), 716–719.	<a href="http://dx.doi.org/10.1107/S0021889810015773">http://dx.doi.org/10.1107/S0021889810015773</a>	Hammouda	2010	Beaucage	
Boualem Hammouda 'Form Factors for Branched Polymers with Excluded Volume' <i>Journal of Research of the National Institute of Standards and Technology</i> <b>121</b> , (2016), 139-164.	<a href="http://dx.doi.org/10.6028/jres.121.006">http://dx.doi.org/10.6028/jres.121.006</a>	Hammouda	2016	Branched polymers	
J-P. Hansen, J. B. Hayter, A Rescaled MSA Structure Factor for Dilute Charged Colloidal Dispersions' <i>Molecular Physics</i> <b>46</b> , (1982), 651-656.	<a href="http://dx.doi.org/10.1080/00268978200101471">http://dx.doi.org/10.1080/00268978200101471</a>	Hansen	1982	RMSA	
S. Hansen 'Calculation of small-angle scattering profiles using Monte Carlo simulation' <i>J. Appl. Cryst.</i> <b>23</b> , (1990), 344-346.	<a href="http://dx.doi.org/10.1107/S0021889890002801">http://dx.doi.org/10.1107/S0021889890002801</a>	Hansen	1990	Monte Carlo	
Steen Hansen 'Simultaneous estimation of the form factor and structure factor for globular particles in small angle scattering' <i>J. Appl. Cryst.</i> <b>41</b> , (2008), 436-445.	<a href="http://dx.doi.org/10.1107/S0021889808004937">http://dx.doi.org/10.1107/S0021889808004937</a>	Hansen	2008	Globular particles	

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F. Hardouin, G. Sigaud, M. F. Achard, A. Brulet, J. P. Cotton, D. Y. Yoon, V. Percec, M. Kawasumi, 'SANS Study of a Semiflexible Main Chain Liquid Crystalline Polyether' <i>Macromolecules</i> <b>28</b> , (1995), 5427-5433.	<a href="http://dx.doi.org/10.1021/ma00120a005">http://dx.doi.org/10.1021/ma00120a005</a>	Hardouin	1995	Liquid crystal polymer	Richard Heenan makes the following comment 'their equation (9) for P(Q,Y=0) is wrong! They cite the Maier-Saupe distribution as being from P.-G. De Gennes, "The Physics of Liquid Crystals", Oxford Press, 1974, p 43. The latter mistakenly relates the normalising integral in the denominator of PMS to an error function.'
Takeji Hashimoto, Tetsuya Kawamura, Masafumi Harada, Hideaki Tanaka 'Small-Angle Scattering from Hexagonally Packed Cylindrical Particles with Paracrystalline Distortion' <i>Macromolecules</i> , <b>27</b> , (1994), 3063-3072.	<a href="http://dx.doi.org/10.1021/ma00089a025">http://dx.doi.org/10.1021/ma00089a025</a>	Hashimoto	1994	Packed cylinders	
J. B. Hayter, J. Penfold, 'An analytic structure factor for macroion solutions' <i>Molecular Physics</i> <b>42</b> , (1981), 109-118.	<a href="http://dx.doi.org/10.1080/00268978100100091">http://dx.doi.org/10.1080/00268978100100091</a>	Hayter	1981	Macroions	
J. B. Hayter, J. Penfold, 'Determination of micelle structure and charge by neutron small-angle scattering' <i>Colloid and Polymer Science</i> <b>261</b> , (1983), 1022-1030.	<a href="http://dx.doi.org/10.1007/BF01421709">http://dx.doi.org/10.1007/BF01421709</a>	Hayter	1983	Macroions	Decoupling approximation
J. B. Hayter, J. Penfold, 'Use of viscous shear alignment to study anisotropic micellar structure by small-angle neutron scattering' <i>J. Phys. Chem.</i> <b>88</b> , (1984), 4589-4593.	<a href="http://dx.doi.org/10.1021/j150664a030">http://dx.doi.org/10.1021/j150664a030</a>	Hayter	1984	Shear alignment	

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Peter Heftberger, Benjamin Kollmitzer, Frederick A. Heberle, Jianjun Pan, Michael Rappolt, Heinz Amenitsch, Norbert Kucerka, John Katsaras, Georg Pabst 'Global small-angle X-ray scattering data analysis for multilamellar vesicles: the evolution of the scattering density profile model' <i>J. Appl. Cryst.</i> <b>47</b> , (2014), 173-180.	<a href="http://dx.doi.org/10.1107/S1600576713029798">http://dx.doi.org/10.1107/S1600576713029798</a>	Heftberger	2014	Multilamellar vesicles	
André Heinemann, Armin Hoell, Albrecht Wiedenmann, Loredana Mirela Pop 'Small-angle scattering of orientated magnetic structures and applications to magnetic colloids' <i>Physica B</i> <b>385-386</b> , (2006), 461-464.	<a href="http://dx.doi.org/10.1016/j.physb.2006.05.150">http://dx.doi.org/10.1016/j.physb.2006.05.150</a>	Heinemann	2006	Magnetic	
M. Hennion, I. Mirebeau 'Diffusion de neutrons aux petits angles (DNPA) et magnétisme: concepts et applications' <i>J. Phys. IV France</i> <b>9</b> , (1999), 51-66.	<a href="http://dx.doi.org/10.1051/jp4:1999104">http://dx.doi.org/10.1051/jp4:1999104</a>	Hennion	1999	Magnetic scattering	
Rex P. Hjelm Jr 'The Small-Angle Approximation of X-ray and Neutron Scatter from Rigid Rods of Non-Uniform Cross Section and Finite Length' <i>J. Appl. Cryst.</i> <b>18</b> , (1985), 452-460.	<a href="http://dx.doi.org/10.1107/S0021889885010706">http://dx.doi.org/10.1107/S0021889885010706</a>	Hjelm	1985	Rods	
G. Jannink, P. G. de Gennes, 'Quasielastic Scattering by Semidilute Polymer Solutions' <i>J. Chem. Phys.</i> <b>48</b> , (1968), 2260-2265.	<a href="http://dx.doi.org/10.1063/1.1669422">http://dx.doi.org/10.1063/1.1669422</a>	Jannink	1968	RPA polymer solution	
D. S. Jayasuriya, N. Tcheurekdjian, C. F. Wu, S. H. Chen, P. Thiyagarajan 'Determination of Size and Effective Surface Charge of Polystyrene Latex Particles in Concentrated Dispersion by SANS' <i>J. Appl. Cryst.</i> <b>21</b> , (1988), 843-847.	<a href="http://dx.doi.org/10.1107/S0021889888004066">http://dx.doi.org/10.1107/S0021889888004066</a>	Jayasuriya	1988	Macroions	
J.-F. Joanny, L. Leibler, 'Weakly charged polyelectrolytes in a poor solvent' <i>Journal de Physique</i> <b>51</b> , (1990), 545-557.	<a href="http://dx.doi.org/10.1051/jphys:01990005106054500">http://dx.doi.org/10.1051/jphys:01990005106054500</a>	Joanny	1990	Polyelectrolyte	
H. Kaya, 'Scattering from cylinders with globular end-caps' <i>J. Appl. Cryst.</i> <b>37</b> , (2004), 223-230.	<a href="http://dx.doi.org/10.1107/S0021889804000020">http://dx.doi.org/10.1107/S0021889804000020</a>	Kaya	2004	Dumb bell	



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H. Kaya, N-R. de Souza, 'Scattering from capped cylinders. Addendum' <i>J. Appl. Cryst.</i> <b>37</b> , (2004), 508-509. (addendum)	<a href="http://dx.doi.org/10.1107/S0021889804005709">http://dx.doi.org/10.1107/S0021889804005709</a>	Kaya	2004	Dumb bell	
Jin Kon Kim, Kohtaro Kimishima, Takeji Hashimoto 'Random-phase approximation calculation of the scattering function for multicomponent polymer systems' <i>Macromolecules</i> , <b>26</b> , (1993), 125-136.	<a href="http://dx.doi.org/10.1021/ma00053a020">http://dx.doi.org/10.1021/ma00053a020</a>	Kim	1993	RPA mixtures	
S. King, P. Griffiths, J. Hone, T. Cosgrove, 'SANS from Adsorbed Polymer Layers', <i>Macromol. Symp.</i> <b>190</b> , (2002), 33-42.	<a href="http://dx.doi.org/10.1002/masy.200290017">http://dx.doi.org/10.1002/masy.200290017</a>	King	2002	Shell 2nd moment	
Michael Kotlarchyk, Sow Hsin Chen 'Analysis of small angle neutron scattering spectra from polydisperse interacting colloids' <i>Journal of Chemical Physics</i> <b>79</b> , (1983), 2461-2469.	<a href="http://dx.doi.org/10.1063/1.446055">http://dx.doi.org/10.1063/1.446055</a>	Kotlarchyk	1983	Core-shell ellipsoid	
M. Kotlarchyk, S. M. Ritzau, 'Paracrystal model of the high-temperature lamellar phase of a ternary microemulsion system' <i>J. Appl. Cryst.</i> <b>24</b> , (1991), 753-758.	<a href="http://dx.doi.org/10.1107/S0021889890012213">http://dx.doi.org/10.1107/S0021889890012213</a>	Kotlarchyk	1991	lamellar phase	Richard Heenan states that he has assumed factor of 4 missing in eqn 17.
O. Kratky, G. Porod, 'Diffuse small-angle scattering of x-rays in colloid systems' <i>J. Colloid Science</i> , <b>4</b> , (1949), 35-70.	<a href="http://dx.doi.org/10.1016/0095-8522(49)90032-X">http://dx.doi.org/10.1016/0095-8522(49)90032-X</a>	Kratky	1949	Stacked discs	
Kjersta Larson-Smith, Andrew Jackson, Danilo C Pozzo, 'Small angle scattering model for Pickering emulsions and raspberry particles' <i>Journal of Colloid and Interface Science</i> <b>343</b> , (2010), 36-41.	<a href="http://dx.doi.org/10.1016/j.jcis.2009.11.033">http://dx.doi.org/10.1016/j.jcis.2009.11.033</a>	Larson-Smith	2010	Raspberry particles	
Ludwik Leibler 'Theory of Microphase Separation in Block Copolymers' <i>Macromolecules</i> <b>13</b> , (1980), 1602-1617.	<a href="http://dx.doi.org/10.1021/ma60078a047">http://dx.doi.org/10.1021/ma60078a047</a>	Leibler	1980	Copolymer melt	
Xin Li, Changwoo Do, Yun Liu, Luis Sanchez-Diaz, Gregory Smith, Wei-Ren Chen 'A scattering function of star polymers including excluded volume effects' <i>J. Appl. Cryst.</i> <b>47</b> , (2014),	<a href="http://dx.doi.org/10.1107/S1600576714022249">http://dx.doi.org/10.1107/S1600576714022249</a>	Li	2014	Star polymer - excluded volume	

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I. Livsey, 'Neutron scattering from concentric cylinders. Intraparticle interference function and radius of gyration' <i>J. Chem. Soc. Faraday Trans 2</i> , <b>83</b> , (1987), 1445-1452.	<a href="http://dx.doi.org/10.1039/F29878301445">http://dx.doi.org/10.1039/F29878301445</a>	Livsey	1987	Concentric cylinders	
Simon Mallam, Ferenc Horkay, Anne-Marie Hecht, Adrian R. Rennie, Erik Geissler, 'Microscopic and macroscopic thermodynamic observations in swollen poly(dimethylsiloxane) networks' <i>Macromolecules</i> <b>24</b> , (1991), 543-548.	<a href="http://dx.doi.org/10.1021/ma00002a031">http://dx.doi.org/10.1021/ma00002a031</a>	Mallam	1991	Gel	
Hideki Matsuoka, Hideaki Tanaka, Takeji Hashimoto, Norio Ise 'Elastic scattering from cubic lattice systems with paracrystalline distortion' <i>Physical Review B</i> , <b>36</b> , (1987), 1754-1765.	<a href="http://dx.doi.org/10.1103/PhysRevB.36.1754">http://dx.doi.org/10.1103/PhysRevB.36.1754</a>	Matsuoka	1987	Paracrystal	
Hideki Matsuoka, Hideaki Tanaka, Norio Iizuka, Takeji Hashimoto, Norio Ise 'Elastic scattering from cubic lattice systems with paracrystalline distortion. II' <i>Physical Review B</i> , <b>41</b> , (1990), 3854-3856.	<a href="http://dx.doi.org/10.1103/PhysRevB.41.3854">http://dx.doi.org/10.1103/PhysRevB.41.3854</a>	Matsuoka	1990	Paracrystal	
B. C. McAlister, B. P. Grady 'Simulation of Small-Angle X-ray Scattering from Single-Particle Systems' <i>J. Appl. Cryst.</i> <b>31</b> , (1998), 594-599.	<a href="http://dx.doi.org/10.1107/S0021889898002192">http://dx.doi.org/10.1107/S0021889898002192</a>	McAlister	1998	Monte Carlo	
S. V. G. Menon, C. Manohar, K. Srinivasa Rao 'A new interpretation of the sticky hard sphere model' <i>J. Chem. Phys.</i> <b>95</b> , (1991), 9186-9190.	<a href="http://dx.doi.org/10.1063/1.461199">http://dx.doi.org/10.1063/1.461199</a>	Menon	1991	Sticky Spheres	
Denis Mettus, Andreas Michels 'Small-angle neutron scattering correlation functions of bulk magnetic materials' <i>J. Appl. Cryst.</i> <b>48</b> , (2015), 1437-1450.	<a href="http://dx.doi.org/10.1107/S1600576715013187">http://dx.doi.org/10.1107/S1600576715013187</a>	Mettus	2015	Magnetic scattering	
P. Mittelbach, G. Porod, 'X-ray low-angle scattering by dilute scattering colloidal systems. The calculation of scattering curves of parallelepipeds' <i>Acta Physica Austriaca</i> <b>14</b> , (1961), 185-211.		Mittelbach	1961	Prisms	

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A. Moussaid, F. Schosseler, J.-P. Munch, S. J. Candau, 'Structure of polyacrylic acid and polymethacrylic acid solutions : a small angle neutron scattering study' <i>Journal de Physique II France</i> <b>3</b> , (1993), 573-594.	<a href="http://dx.doi.org/10.1051/jp2:1993152">http://dx.doi.org/10.1051/jp2:1993152</a>	Moussaid	1993	Polyelectrolyte	
F. Nallet, R. Laversanne, D. Roux, 'Modelling X-ray or neutron scattering spectra of lyotropic lamellar phases: interplay between form and structure factors' <i>J. Phys. II France</i> , <b>3</b> , (1993) 487-502.	<a href="http://dx.doi.org/10.1051/jp2:1993146">http://dx.doi.org/10.1051/jp2:1993146</a>	Nallet	1993	Lamellar	
R. Nayuk, K. Huber, 'Formfactors of Hollow and Massive Rectangular Parallelepipeds at Variable Degree of Anisometry' <i>Z. Phys. Chem.</i> <b>226</b> , (2012), 837-854.	<a href="http://dx.doi.org/10.1524/zpch.2012.0257">http://dx.doi.org/10.1524/zpch.2012.0257</a>	Nayuk	2012	Prisms	
M. Olvera de la Cruz, I. C. Sanchez, 'Microphase separation in block copolymer/homopolymer blends' <i>Macromolecules</i> <b>20</b> , (1987), 440-443.	<a href="http://dx.doi.org/10.1021/ma00168a040">http://dx.doi.org/10.1021/ma00168a040</a>	Olvera de la Cruz	1987	RPA copolymer mixture	
Gerald Oster, D. P. Riley 'Scattering from Isotropic Colloidal and Macromolecular Systems' <i>Acta Cryst.</i> <b>5</b> , (1952), 1-6.	<a href="http://dx.doi.org/10.1107/S0365110X52000010">http://dx.doi.org/10.1107/S0365110X52000010</a>	Oster	1952	Colloids	
Jan Skov Pedersen, Michael C. Gerstenberg 'Scattering Form Factor of Block Copolymer Micelles' <i>Macromolecules</i> <b>29</b> , (1996), 1363-1365.	<a href="http://dx.doi.org/10.1021/ma9512115">http://dx.doi.org/10.1021/ma9512115</a>	Pedersen	1996	Copolymer micelles	
Jan Skov Pedersen, Peter Schurtenberger 'Scattering Functions of Semiflexible Polymers with and without Excluded Volume Effects' <i>Macromolecules</i> <b>29</b> , (1996), 7602-7612.	<a href="http://dx.doi.org/10.1021/ma9607630">http://dx.doi.org/10.1021/ma9607630</a>	Pedersen	1996	Semiflexible polymer	See Chen <i>et al.</i> for a correction.

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J. K. Percus, J. Yevick, 'Analysis of Classical Statistical Mechanics by Means of Collective Coordinates' <i>Phys. Rev.</i> <b>110</b> , (1958), 1-13.	<a href="http://dx.doi.org/10.1103/PhysRev.110.1">http://dx.doi.org/10.1103/PhysRev.110.1</a>	Percus	1958	P-Y structure factor	
Rasmus A. X. Persson, Johan Bergenholtz 'Efficient computation of the scattering intensity from systems of nonspherical particles' <i>J. Appl. Cryst.</i> <b>49</b> , (2016), 1524-1531.	<a href="http://dx.doi.org/10.1107/S1600576716011481">http://dx.doi.org/10.1107/S1600576716011481</a>	Persson	2016	Non-spherical particles	
G. Porod 'Die Röntgenkleinwinkelstreuung von dichtgepackten kolloiden Systemen 1 Teil.' <i>Kolloid-Zeitschrift</i> <b>124</b> , (1951), 83-114.	<a href="http://dx.doi.org/10.1007/BF01519615">http://dx.doi.org/10.1007/BF01519615</a>	Porod	1951	Interference terms	
E. Raphaël, J.-F. Joanny, 'Annealed and Quenched Polyelectrolytes' <i>Europhysics Letters</i> <b>13</b> , (1990), 623-628.	<a href="http://dx.doi.org/10.1209/0295-5075/13/7/009">http://dx.doi.org/10.1209/0295-5075/13/7/009</a>	Raphael	1990	Polyelectrolyte	
M. Rawiso 'De l'intensité à la structure en physico-chimie des polymères' <i>J. Phys. IV France</i> <b>9</b> , (1999), 147-195.	<a href="http://dx.doi.org/10.1051/jp4:1999110">http://dx.doi.org/10.1051/jp4:1999110</a>	Rawiso	1999	Polymer	
D. Richter, O. Jucknischke, L. Willner, L. J. Fetters, M. Lin, J. S. Huang, J. Roovers, C. Toporovski, L. L. Zhou, 'Scaling Properties and Ordering Phenomena of Star Polymers in Solution' <i>J. de Physique IV, Colloque C8</i> , <b>3</b> , (1993), 3-12.	<a href="http://dx.doi.org/10.1051/jp4:1993801">http://dx.doi.org/10.1051/jp4:1993801</a>	Richter	1993	Star polymers	
W. Ruland 'The evaluation of the small-angle scattering of lamellar two-phase systems by means of interface distribution functions' <i>Colloid &amp; Polymer Sci.</i> <b>255</b> , (1977), 417-427.	<a href="http://dx.doi.org/10.1007/BF01536457">http://dx.doi.org/10.1007/BF01536457</a>	Ruland	1977	Two-phase	
Wilhelm Ruland 'Small-angle X-ray scattering of two-phase systems: significance of polydispersity' <i>J. Appl. Cryst.</i> <b>43</b> , (2010), 998-1004.	<a href="http://dx.doi.org/10.1107/S0021889810031973">http://dx.doi.org/10.1107/S0021889810031973</a>	Ruland	2010	Two-phase	

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K-V. Schubert, R. Strey, S. R. Kline, E. W. Kaler, 'Small angle neutron scattering near Lifshitz lines: Transition from weakly structured mixtures to microemulsions' <i>J. Chem. Phys.</i> , <b>101</b> , (1994), 5343-5355.	<a href="http://dx.doi.org/10.1063/1.467387">http://dx.doi.org/10.1063/1.467387</a>	Schubert	1994	Teubner-Strey	
R. Schweins, K. Huber, 'Particle Scattering Factor of Pearl Necklace Chains', <i>Macromol. Symp.</i> , <b>211</b> , (2004), 25-42.	<a href="http://dx.doi.org/10.1002/masy.200450702">http://dx.doi.org/10.1002/masy.200450702</a>	Schweins	2004	Pearls	
Andrew Senesi, Byeongdu Lee 'Scattering functions of polyhedra' <i>J. Appl. Cryst.</i> <b>48</b> , (2015), 565-577.	<a href="http://dx.doi.org/10.1107/S1600576715002964">http://dx.doi.org/10.1107/S1600576715002964</a>	Senesi	2015	Polyhedra	
Andrew J. Senesi, Byeongdu Lee 'Small-angle scattering of particle assemblies' <i>J. Appl. Cryst.</i> <b>48</b> , (2015), 1172-1182.	<a href="http://dx.doi.org/10.1107/S1600576715011474">http://dx.doi.org/10.1107/S1600576715011474</a>	Senesi	2015	Particle assemblies	
R. V. Sharma, K. C. Sharma, 'The structure factor and the transport properties of dense fluids having molecules with square well potential, a possible generalization' <i>Physica A</i> , <b>89</b> , (1977), 213-218.	<a href="http://dx.doi.org/10.1016/0378-4371(77)90151-0">http://dx.doi.org/10.1016/0378-4371(77)90151-0</a>	Sharma	1977	Square well potential	
M. Shibayama, T. Hashimoto, 'Small-angle x-ray scattering analyses of lamellar microdomains based on a model of one-dimensional paracrystal with uniaxial orientation' <i>Macromolecules</i> <b>19</b> , (1986), 740-749.	<a href="http://dx.doi.org/10.1021/ma00157a043">http://dx.doi.org/10.1021/ma00157a043</a>	Shibayama	1986	lamellar domains	
Mitsuhiro Shibayama, Toyochi Tanaka, Charles C. Han, 'Small angle neutron scattering study on poly(N-isopropyl acrylamide) gels near their volume-phase transition temperature' <i>J. Chem. Phys.</i> <b>97</b> , (1992), 6829-6841.	<a href="http://dx.doi.org/10.1063/1.463636">http://dx.doi.org/10.1063/1.463636</a>	Shibayama	1992	Gel	
N. T. Skipper, A. K. Soper, J. D. C. McConnell, 'The structure of interlayer water in vermiculite' <i>J. Chem. Phys.</i> <b>94</b> , (1991), 5751-5760.	<a href="http://dx.doi.org/10.1063/1.460457">http://dx.doi.org/10.1063/1.460457</a>	Skipper	1991	Clay - water	

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Alexander V. Smirnov, Ivan N. Deryabin, Boris A. Fedorov 'Small-angle scattering: the Guinier technique underestimates the size of hard globular particles due to the structure-factor effect' <i>J. Appl. Cryst.</i> <b>48</b> , (2015), 1089-1093.	<a href="http://dx.doi.org/10.1107/S160057671501078X">http://dx.doi.org/10.1107/S160057671501078X</a>	Smirnov	2015	Structure factor / Guinier	
M. Stieger, J. S. Pedersen, P. Lindner, W. Richtering, 'Are Thermo-responsive Microgels Model Systems for Concentrated Colloidal Suspensions? A Rheology and Small-Angle Neutron Scattering Study' <i>Langmuir</i> <b>20</b> , (2004), 7283-7292.	<a href="http://dx.doi.org/10.1021/la049518x">http://dx.doi.org/10.1021/la049518x</a>	Stieger	2004	Fuzzy spheres	
Peter Stöckel, Roland May, Irmtraud Strell, Zdenka Cejka, Walter Hoppe, Hermann Heumann, Wolfram Zillig, Henry Crespi 'The Core Subunit Structure in RNA Polymerase Holoenzyme Determined by Neutron Small-Angle Scattering' <i>Eur. J. Biochem.</i> <b>112</b> , (1980), 411-417.	<a href="http://dx.doi.org/10.1111/j.1432-1033.1980.tb07220.x">http://dx.doi.org/10.1111/j.1432-1033.1980.tb07220.x</a>	Stoeckel	1980	Radial distribution functions	
J. Teixeira 'Small-Angle Scattering by Fractal Systems' <i>J. Appl. Cryst.</i> <b>21</b> , (1988), 781-785.	<a href="http://dx.doi.org/10.1107/S0021889888000263">http://dx.doi.org/10.1107/S0021889888000263</a>	Teixera	1988	Fractal	
M. Teubner, R. Strey, 'Origin of the scattering peak in microemulsions' <i>J. Chem. Phys.</i> , <b>87</b> , (1987), 3195-3200.	<a href="http://dx.doi.org/10.1063/1.453006">http://dx.doi.org/10.1063/1.453006</a>	Teubner	1987	Teubner-Strey	
Robert Ullman, 'Molecular dimensions by neutron-scattering' <i>Journal of Polymer Science: Polymer Letters</i> , <b>21</b> , (1983), 521-526.	<a href="http://dx.doi.org/10.1002/pol.1983.130210703">http://dx.doi.org/10.1002/pol.1983.130210703</a>	Ullman	1983	Polymer	
Robert Ullman, 'Corrections to calculations of the radius of gyration of polydisperse gaussian coils when scattering measurements at low angle are missing' <i>Journal of Polymer Science: Polymer Physics Edition</i> <b>23</b> , (1985), 1477-1484.	<a href="http://dx.doi.org/10.1002/pol.1985.180230801">http://dx.doi.org/10.1002/pol.1985.180230801</a>	Ullman	1985	Polymer	
T. Unruh 'Interpretation of small-angle X-ray scattering patterns of crystalline triglyceride nanoparticles in dispersion' <i>J. Appl. Cryst.</i> <b>40</b> , (2007), 1008-1018.	<a href="http://dx.doi.org/10.1107/S0021889807044378">http://dx.doi.org/10.1107/S0021889807044378</a>	Unruh	2007	Entire pattern modellig	

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W. Wenig, R. Brämer, 'Die Bedeutung der mittleren Probedichte für die quantitative Interpretation der Röntgenkleinwinkelstreuung teilkristalliner Polymerer' <i>Colloid &amp; Polymer Science</i> , <b>256</b> , (1978) 125-132.	<a href="http://dx.doi.org/10.1007/BF01679169">http://dx.doi.org/10.1007/BF01679169</a>	Wenig	1978	semicrystalline polymer	
B. H. Zimm, 'Apparatus and Methods for Measurement and Interpretation of the Angular Variation of Light Scattering; Preliminary Results on Polystyrene Solutions' <i>J. Chem. Phys.</i> , <b>16</b> , (1948), 1099-1116.	<a href="http://dx.doi.org/10.1063/1.1746740">http://dx.doi.org/10.1063/1.1746740</a>	Zimm	1948	Zimm plot	