

Form Factor

=== Solid sphere ===

For a solid sphere of radius R , the form factor is isotropic and reads

P_{sphere}

Unknown macro: {sphere}

$$P(q) = \frac{3}{q^3} \left[\sin(qR) - qR \cos(qR) \right]$$

Unknown macro: {\sin(qR) - qR cos(qR) }

Unknown macro: {(qR)^3}

$$\frac{1}{q^2}$$