

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}

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