

# Form Factor

=== Solid sphere ===

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

$P_{\text{solid sphere}}$

Unknown macro: {sphere}

$$P(q) = \left( \frac{3}{q^3} \right)$$

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

Unknown macro: {(qR)^3}

$$\frac{\sin(qR) - qR \cos(qR)}{(qR)^3}$$