

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}

$$P(q) = \left(\frac{3}{qR} \right)^2$$

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

Unknown macro: {(qR)^3}

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