

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}

$P(q) = \frac{3}{4\pi} \left(\frac{\sin(qR)}{qR} - \cos(qR) \right)^2$

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

Unknown macro: {(qR)^3}

$\frac{3}{4\pi} \left(\frac{\sin(qR)}{qR} - \cos(qR) \right)^2$