

Kratky plot

A diagrammatic representation of scattering data on large particles, obtained at different angles but at the same concentration, constructed by plotting $\sin^2(\theta/2) \cdot \Delta R(\theta)$ vs. $\sin^2(\theta/2)$, or $q^2 \Delta R(\theta)$ vs. q and used for the determination of molecular shape. $\Delta R(\theta)$ is the excess Rayleigh ratio, $P(\theta)$ the particle scattering function, θ the scattering angle and q the length of the scattering vector.

P.B. 67