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Kratky plot

A diagrammatic representation of scattering data on large particles, obtained at different angles but at the same concentration, constructed by plotting $\left(\sin\frac{\theta}{2}\right)^2 \Delta R(\theta)$ vs. $\left(\sin\frac{\theta}{2}\right)^2$, 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.

Source:
Purple Book, p. 67

