

Guinier plot

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

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