

logarithmic normal distribution (of a macromolecular assembly)

A continuous distribution with the differential mass-distribution function of the form:

$$f_w(x) dx = \frac{1}{a\sqrt{\pi x}} \exp\left(-\frac{1}{a^2} \ln^2 \frac{x}{b}\right) dx$$

where x is a parameter characterizing the chain length, such as relative molecular mass or degree of polymerization and a and b are positive adjustable parameters.

P.B. 57