

Poisson distribution

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

$$f_w(x) = \frac{x}{a+1} = \frac{e^{-a} a^{x-1}}{(x-1)!}$$

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

Source:

Purple Book, p. 56