

### **most probable distribution (in macromolecular assemblies)**

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

$$f_w(x) = a^2 x (1 - a)^{x - 1}$$

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.

For large values of  $x$ , the most probable distribution converges to the particular case of the *Schulz–Zimm distribution* with  $b = 1$ . In the literature, this distribution is sometimes referred to as the Flory distribution or the Schulz–Flory distribution.

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