

### **Schulz–Zimm distribution**

In an assembly of macromolecules, a continuous distribution with the differential mass-distribution function of the form:

$$f_w(x) dx = \frac{a^{b+1}}{\Gamma(b+1)} x^b \exp(-ax) dx$$

where  $x$  is a parameter characterizing the chain length, such as relative molecular mass or degree of polymerization,  $a$  and  $b$  are positive adjustable parameters, and  $\Gamma(b+1)$  is the gamma function of  $(b+1)$ .

P.B. 56