

# Polydispersity

The size distribution of particles leads to smearing effects. The scattered intensity reads

$I_{\text{poly}}$

Unknown macro: {poly}

$I(q, x) = \int_0^x$

Unknown macro: {infty}

$G(x, r) I(q, r) dr$

where  $G(x, r)$  characterizes the distribution function such that  $\int G(x, r) dr = 1$ .