Weibull distribution eqs.

$$P_f = 1 - e^{-\left(\frac{\sigma}{\sigma_0}\right)^m}$$

$$P_f = 1 - e^{-\left(\frac{A}{A_0}\right)\left(\frac{\sigma}{\sigma_0}\right)^m}$$

$$P_f = 1 - e^{-k(m)\left(\frac{A}{A_0}\right)\left(\frac{\sigma}{\sigma_0}\right)^m}$$