$$K = \frac{y}{x}$$

$$\beta = \frac{K(A)}{K(B)}$$

$$y_i = \frac{F}{S}\,(x_{i-1} - x_N)$$

$$y_i = K\,x_i$$

$$E = \frac{KS}{F}$$

$$\left[\frac{E^{N+1} - 1}{E - 1}\right] x_N = x_F$$

$$\log_{10}\left[\frac{K_i}{K} - 1\right] = pH - pK_A$$

$$\frac{(HETS)_2}{(HETS)_1} = \left(\frac{D_2}{D_1}\right)^{0.38}$$

$$\frac{(SPM)_2}{(SPM)_1} = \left(\frac{D_2}{D_1}\right)^{-0.14}$$

$$v = \frac{2a^2 (\rho - \rho_0) \omega^2 R}{9\mu}$$

$$Re = \frac{2av\rho_0}{\mu}$$

$$v_g = \frac{2a^2 (\rho - \rho_0) g}{9\mu}$$

$$G = \frac{\omega^2 R}{g}$$

$$g \ln(R/R_0) = v_g \omega^2 t$$

$$s = \frac{2a^2 (\rho - \rho_0)}{9\mu}$$

$$Q = v_g \Sigma$$

$$\Sigma = \frac{\pi\omega^2 L(R_0^2 - R_1^2)}{g \ln(R_0/R_1)}$$

$$\Sigma = \frac{2n\pi\omega^2 (R_0^3 - R_1^3)}{3g \tan(\theta)}$$