$$K_i = a \cdot \frac{J_i}{J_M} + b$$

$$\frac{K_i}{K_M} = a \cdot \frac{J_i}{J_M} + b \sum_{i=1}^{n} K_i + K_M = 100\%$$

$$\frac{\sum_{i=1}^{n} K_i + K_M}{K_M} = \frac{100\%}{K_M} \quad \Rightarrow \quad 1 + \sum_{i=1}^{n} \frac{K_i}{K_M} = \frac{100\%}{K_M}$$

$$\Rightarrow \quad K_M = \frac{100\%}{1 + \sum_{i=1}^{n} \frac{K_i}{K_M}}$$

$$K_M = \frac{100\%}{1 + \sum_{i=1}^{n} Z_i}$$

$$r = \sqrt{\frac{\sum_i w_i \left(C_{i,cal} - \overline{C}_i\right)^2}{\sum_i w_i \left(C_{i,CRM} - \overline{C}_i\right)^2}}$$

$$I_l^1 = I_l^0 \frac{(k)}{I_l(Ar)}$$

$$I_l^2(k) = I_l^1(k) \cdot h_k + g_k$$

$$I_l^3(k) = I_l^2(k) \cdot \left(\frac{i_{ref}}{i}\right)^{A_k}$$

$$I_l^3(k) = I_l^2(k) \cdot \left(\frac{P_{ref}}{P}\right)^{B_k}$$

$$I_l^4(k) = \frac{I_l^3(k)}{\sum_{n=0}^{3} a_k(n) \cdot U^n}$$

$$U_n = C1 \cdot P^{C2} \cdot I(Ar)_n^{C3} + B$$

$$I_l^5 = I_l^4 \cdot \left(1 + \sum_m \left[\exp\left(\frac{f_{lm} \cdot I_m^4}{I_{ref}}\right)\right]\right)$$

$$C_l^6(k, w) = S_k \cdot I_l^5(k) + b_k$$

$$C_l^7(k, w) = C_l^6(k, w) + \sum_m r_{km} \cdot I_m^5 \cdot \left(1 + F_{km} \cdot \exp\left(-\frac{t}{ta}\right) \cdot \left[1 - \exp\left(-\frac{t}{ts}\right)\right]\right)$$

$$C_l^8(k, w) = C_l^7(k, w) / \sum_k C_l^7(k, w)$$

$$1 / \sum_k C_l^7(k, w)$$

$$q_l = 0.37432 \left[\frac{\mu g}{W \cdot s}\right] \cdot i_l \cdot (U_l - U_0) \cdot \sum_k C_l^7(k, w)$$

$$C_l(k, a) = C_l^8(k, w) / \sum_k C_l^8(k, a) / u_k$$

$$\rho_l = \frac{1}{\sum_k C_l(k, w) / \rho_k}$$

$$\Delta d_l = \frac{q_l \cdot \Delta t_l}{\rho_l \cdot A}$$

$$d_l = \sum_l \Delta d_l$$

$$c_{ks} = S_m \cdot I_{km} \cdot \frac{q_b}{q_s} + b_m$$

$$S_m = \frac{1}{R_{km} \cdot q_b}$$

$$\frac{c_{ks}}{S_m} \frac{q_s}{q_b} = I_{km} + b'_m$$

$$1 / \sum_k C_l^7(k, w)$$

$$\overline{x}_{ab} = \frac{\int_0^b x dt - \int_0^a x dt}{b - a}$$

$$\lambda = \frac{h \cdot c}{E_2 - E_1}$$