

Formulário

$$Q - \dot{F}_{A0} \sum \theta_i \bar{c}_{pi} (T - T_0) - \dot{F}_{A0} [\Delta H_R^\circ (T_R) + \sum b_i \bar{c}_{pi} (T - T_0)] X = 0$$

$$X = \frac{\sum \theta_i \bar{c}_{pi} (T - T_0)}{-[\Delta H_R^\circ (T_R) + \sum b_i \bar{c}_{pi} (T - T_0)]}$$

$$X = \frac{(c_{pA} + \theta_c c_{pc}) (T - T_0)}{-\Delta H_R}$$

$$V = \frac{\dot{F}_{A0} X}{-r_A} \quad \bar{G} = \frac{C_{A0} X}{-r_A}$$

$$k = k_0 e^{-E_0/RT}$$

$$k(T) = k(T_R) e^{-E_0/R \left(\frac{1}{T} - \frac{1}{T_R} \right)}$$

$$K_e = K_e(T_R) e^{-\frac{\Delta H}{R} \left(\frac{1}{T} - \frac{1}{T_R} \right)}$$

$$V = \dot{F}_{A0} \int_0^X \frac{dx}{-r_A}$$

$$\int_{x_0}^{x_2} f(x) dx = \frac{h}{3} [f(x_0) + 4f(x_1) + f(x_2)]$$

$$h = \frac{x_2 - x_0}{2} \quad x_1 = x_0 + h$$

$$Q - \dot{F}_{A0} \sum \theta_i \bar{c}_{pi} (T - T_0) - \dot{F}_{A0} \Delta H_R X = 0$$

$$G(T) = -\Delta H_R(T) X$$

$$R(T) = (c_{pA} + \theta_I c_{pI}) (T - T_0)$$

$$R(T) = \frac{UA}{\dot{F}_{A0}} (T - T_a) + \sum \theta_i \bar{c}_{pi} (T - T_0)$$

$$(c_{pA} + \theta_I c_{pI}) (T - T_0) = -\Delta H_R^\circ X$$