

-> Blue curve shows heat absorption | heat release -> Region 1 is not considered -> Region 2, 3 and 4 important -> Region 2, 3 and 4

Kimetic equation for Region 2

X

$$\frac{dx_{lic}}{dt} = -A_{lic} x_{lic} enp \left(\frac{-b_{lic}}{kT} \right) exp \left(\frac{-t_{sel}}{t_{sel,ref}} \right)$$
 $\frac{dt_{sel}}{dt} = A_{lic} x_{lic} enp \left(\frac{-b_{lic}}{kT} \right) enp \left(\frac{-t_{sel}}{t_{sel,ref}} \right)$

Heat = $\Delta H \times \frac{dx_{lic}}{dt}$

X

$$\frac{d\mathcal{X}_{LiC}}{dt} = -A_{Li-6C} \times_{Li-6C} \times_{Li-6C} \left(\frac{-E_{Li-6C}}{k_BT}\right) - A_{LiC} \times_{Lic} \left(\frac{e_{R}}{k_BT}\right) = x_{p} \left(\frac{-E_{LiC}}{k_BT}\right) = x_{p} \left(\frac{-E_{LiC}}{k_BT}\right) = x_{p} \left(\frac{-E_{LiC}}{k_BT}\right) = x_{p} \left(\frac{-E_{Li-6C}}{k_BT}\right) = x_{p} \left(\frac{-E_{L$$

$$\frac{dt_{\text{SeI}}}{dt} = A_{\text{2ic}} x_{\text{Lic}} enb \left(\frac{-t_{\text{Lic}}}{K_{\text{BT}}} \right)$$

$$\frac{d^{12}B}{dt} = -A_{B} \mathcal{N}_{B} e^{12} \left(\frac{-E_{B}}{K_{B}T} \right)$$