

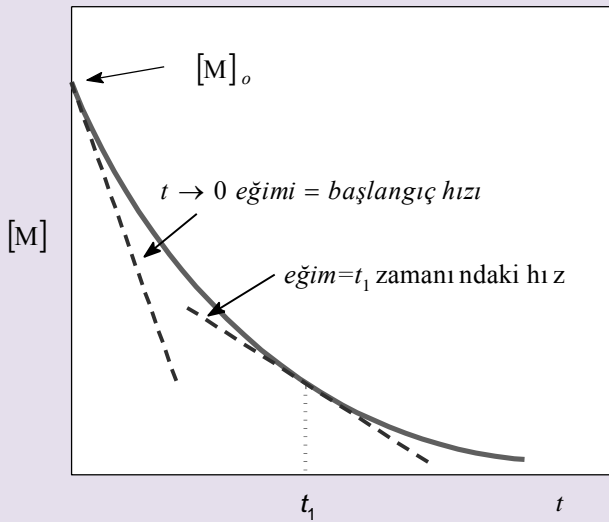
# RADİKALİK KATILMA POLİMERİZASYONU KİNETİĞİ

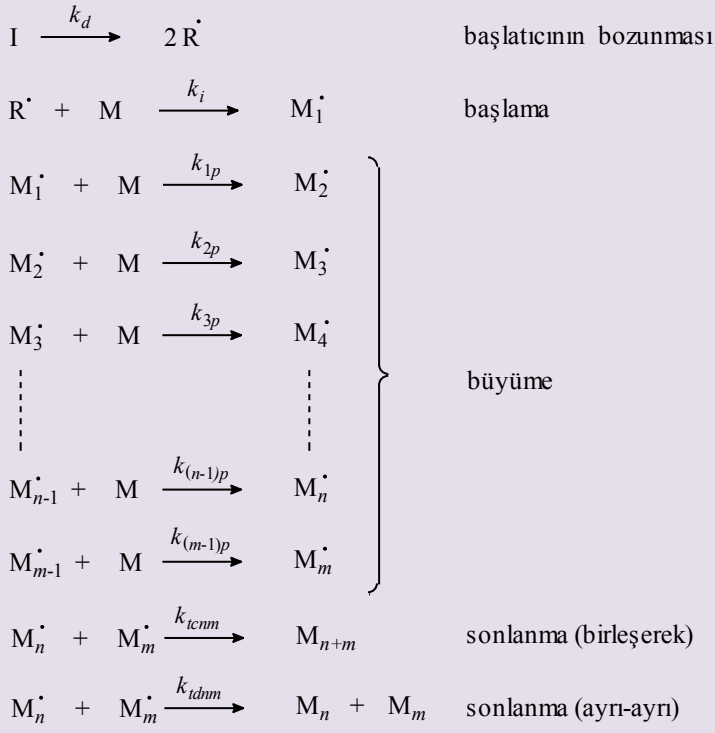
## 5.5 RADİKALİK KATILMA POLİMERİZASYONU KİNETİĞİ

$$r_{p\text{başlangıç}} = -\left(\frac{d[M]}{dt}\right)_{\text{başlangıç}} = \left(\frac{[M]_o - [M]}{\Delta t}\right)_{\Delta t \rightarrow 0}$$

$$r_p = -\frac{\Delta[M]}{\Delta t} = -\left(\frac{[M]_2 - [M]_1}{t_2 - t_1}\right) = \frac{[M]_1 - [M]_2}{t_2 - t_1}$$

kuramsal polimerizasyon hızı



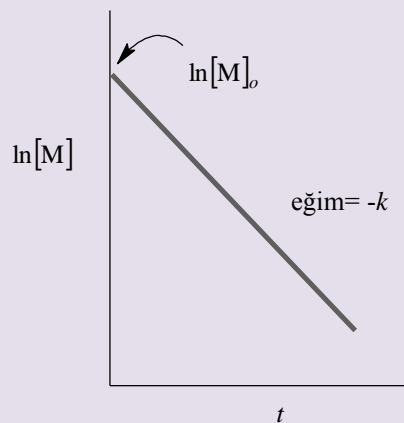


$$r_p = k_p \left( \frac{f k_d}{k_t} \right)^{1/2} [\text{I}]^{1/2} [\text{M}]$$

$$r_p = k_p \left( \frac{f k_d [\text{I}]_o}{k_t} \right)^{1/2} [\text{M}]$$

$$-\frac{d[\text{M}]}{dt} = k[\text{M}] \quad (5.41)$$

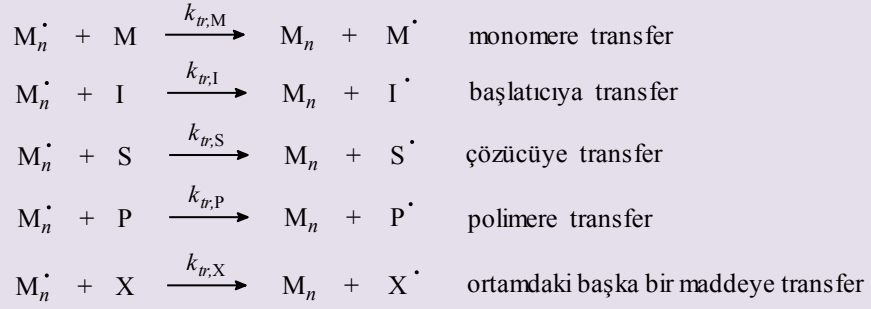
$$\ln[\text{M}] = \ln[\text{M}]_o - kt \quad (5.42)$$



## Tavan sıcaklığı

$$T_c = \frac{(E_p - E_{dp})}{R \left( \ln \frac{A_p}{A_{dp}} + \ln[M]_c \right)}$$

## 5.6 ZİNCİR TRANSFERİ



## 5.7 KATILMA POLİMERİZASYONU VE BASAMAKLI POLİMERİZASYONUN KARŞILAŞTIRILMASI