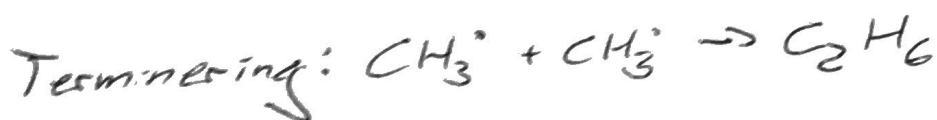
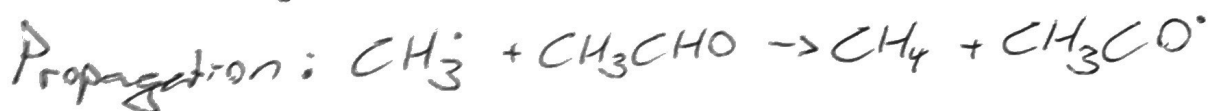
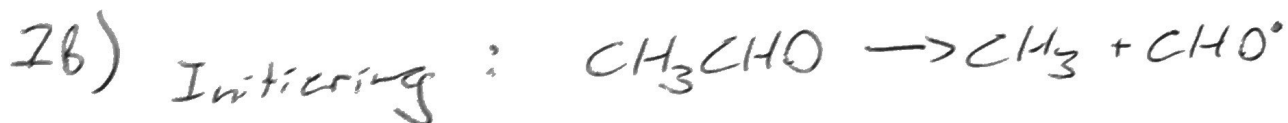


Rehleh, Übung 5, Veget G. Jarell

1a) $\text{CH}_3^\cdot$ er en hydrobærer



1c) Antas ingen netto koncentrationændring for radikalerne.

I) $\Gamma_{\text{CH}_3^\cdot} = 0$, II) $\Gamma_{\text{CH}_3\text{CO}^\cdot} = 0$

III) $\Gamma_{\text{CH}_4} = -\Gamma_{\text{CH}_3\text{CHO}} = k_2 [\text{CH}_3^\cdot] [\text{CH}_3\text{CHO}]$

I) $k_1 [\text{CH}_3\text{CHO}] - k_2 [\text{CH}_3^\cdot] [\text{CH}_3\text{CHO}] + k_3 [\text{CH}_3\text{CO}^\cdot] - k_4 [\text{CH}_3^\cdot]^2 = 0$

II) $k_2 [\text{CH}_3^\cdot] [\text{CH}_3\text{CHO}] - k_3 [\text{CH}_3\text{CO}^\cdot] = 0$

II $\rightarrow$ I: IV) $k_1 [\text{CH}_3\text{CHO}] - k_4 [\text{CH}_3^\cdot]^2 = 0$

IV) $[\text{CH}_3^\cdot] = \sqrt{\frac{k_1}{k_4} [\text{CH}_3\text{CHO}]}$

IV $\rightarrow$ III: V) $-\Gamma_{\text{CH}_3\text{CHO}} = k_2 \sqrt{\frac{k_1}{k_4}} [\text{CH}_3\text{CHO}]^{3/2}$

kunne også brukt VI) $-\Gamma_{\text{CH}_3\text{CHO}} = \Gamma_{\text{CO}} = k_3 [\text{CH}_3\text{CO}^\cdot]$

: Stedst for (III)

(Oppg. 2a) $r_{H_2O_2} = \frac{dC_{H_2O_2}}{dt}$

Plotter $\frac{1}{r}$ mot $\frac{1}{C}$, & hentes fra
np. polyfit()

$$r^{-1} = \frac{1}{V_m} + \frac{k_m}{V_m} \left(\frac{1}{C} \right)$$

$$a, b = \text{np.polyfit}\left(\frac{1}{C}, \frac{1}{r}, 1\right)$$

$$V_m = \frac{1}{b} = \dots$$

$$k_m = \frac{a}{b} = \dots$$

Jeg må skrive rapport, bygge flåte
til uhelaget og holde foredrag på
Spring Living nå, pls. ikke underkynn
- Jeg har hvertfall ikke holdt

Vi sees på CHIT-swing!