Sorption an der Membranoberfläche

$$\theta = \omega_{max}/(1 - C + C/\phi) \tag{0.1}$$

Massenstrom durch Membran

$$J_i = R * T * L_i/C_i * dC_i/dx \tag{0.2}$$

Parallelschaltung Widerstände

$$\frac{1}{W_{ges}} = \frac{1}{W_d} + \frac{1}{W_p} \tag{0.3}$$

Stoffmengenstrom, Lösungs-Diffusions-Modell

$$\dot{n}'' = -c_{kM} * b_{kM} * \frac{d\mu_{kM}}{dz} \tag{0.4}$$