

Unbenannt1

$$\frac{dV_1}{dt} = A * J_v$$

$$\frac{dV_2}{dt} = -A * J_v$$

$$\frac{dN_1}{dt} = A * j_s$$

$$\frac{dN_2}{dt} = -A * j_s$$

$$J_v = L_p \sigma R T \frac{(A_0 - 1) \left[\left(\frac{N_1}{V_1} - \frac{N_2}{V_2} \right) A_2 (1 - \sigma) + \sigma \left(\frac{N_2}{V_2} A_1 A_2 - \frac{N_1}{V_1} \right) \right]}{[(1 - \sigma)(1 - A_0 A_1 A_2) + A_1 \sigma (1 - A_0)]}$$

$$j_s = J_v (1 - \sigma) \frac{\left(\frac{N_1}{V_1} - \frac{N_2}{V_2} A_0 A_1 A_2 \right)}{[(1 - \sigma)(1 - A_0 A_1 A_2) + A_1 \sigma (1 - A_0)]}$$

$$A_0 = \exp\left(\frac{(1 - \sigma) J_v}{\omega R T}\right)$$

$$A_1 = \exp\left(J_v \frac{\Delta_1}{D_1}\right)$$

$$A_2 = \exp\left(J_v \frac{\Delta_2}{D_2}\right)$$

$\frac{dV_1}{dt} = A * J_v$ newline
 $\frac{dV_2}{dt} = -A * J_v$ newline
 $\frac{dN_1}{dt} = A * j_s$ newline
 $\frac{dN_2}{dt} = -A * j_s$ newline
 $J_v = L_p \sigma R T \frac{(A_0 - 1) \left[\left(\frac{N_1}{V_1} - \frac{N_2}{V_2} \right) A_2 (1 - \sigma) + \sigma \left(\frac{N_2}{V_2} A_1 A_2 - \frac{N_1}{V_1} \right) \right]}{[(1 - \sigma)(1 - A_0 A_1 A_2) + A_1 \sigma (1 - A_0)]}$ newline
 $j_s = J_v (1 - \sigma) \frac{\left(\frac{N_1}{V_1} - \frac{N_2}{V_2} A_0 A_1 A_2 \right)}{[(1 - \sigma)(1 - A_0 A_1 A_2) + A_1 \sigma (1 - A_0)]}$ newline
 $A_0 = \exp\left(\frac{(1 - \sigma) J_v}{\omega R T}\right)$ newline
 $A_1 = \exp\left(J_v \frac{\Delta_1}{D_1}\right)$ newline
 $A_2 = \exp\left(J_v \frac{\Delta_2}{D_2}\right)$