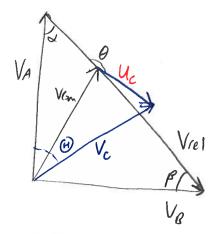
Chem Bynamis

Cheat sheet

Reaction Dynamics

ZABZ O Viel NA[A][B]



Vam = Ve - Uc

$$V_{Cm} = V_A + \frac{m_B}{m_A + m_B} V_{Cel}$$

$$||V_{el}|| = \frac{m_B}{m_B + m_B} |V_{Cel}|$$

Fich's First Law

$$J = -D_n \frac{\partial(n)}{\partial x}$$

Fich's 2nd Lave

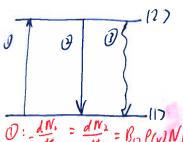
$$\frac{\partial (R)}{\partial \tau} = p_0 \frac{\int_0^2 (R)}{\partial n^2}$$

$$D_i = \frac{L7}{62\eta R_i}$$

LA SERS.

Ta Est

$$Bik = \frac{g_k}{g_i} B_{ki}$$



$$D: \frac{dN_1}{dt} = \frac{dN_1}{dt} = B_{12} \ell(\omega) N_1$$

Presure Broadering

Doppler Broadening

Gaussian Profile - ( (w-mo) Ilw): Ilw, 1e

$$V_p = \sqrt{\frac{2k7}{m}}$$

Beer-Lambert Law

Clain factor per round trip

Lon weff: 8 I= 6e-8

Total intensity:

I (v, 21) = Z(v) e Mode Locking pulse devation