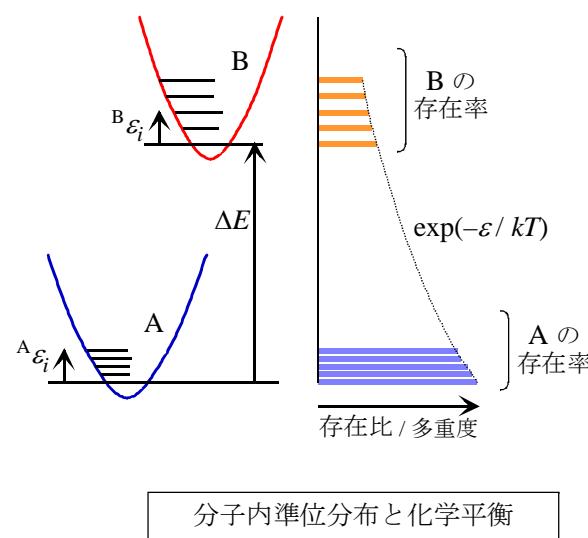


振動分配関数



$$K_c = \frac{[B]_e}{[A]_e} = \frac{\sum_i^B g_i \exp\left(-\frac{B\varepsilon_i + \Delta E}{kT}\right)}{\sum_i^A g_i \exp\left(-\frac{A\varepsilon_i}{kT}\right)}$$

$$= \frac{\sum_i^B g_i \exp\left(-\frac{B\varepsilon_i}{kT}\right)}{\sum_i^A g_i \exp\left(-\frac{A\varepsilon_i}{kT}\right)} \exp\left(-\frac{\Delta E}{kT}\right)$$

$$K_c = \frac{Q_B}{Q_A} \exp\left(-\frac{\Delta E}{kT}\right) \quad (7.1)$$

$$Q = g_{elec} Q_{vib} Q_{rot} \quad (7.2)$$

