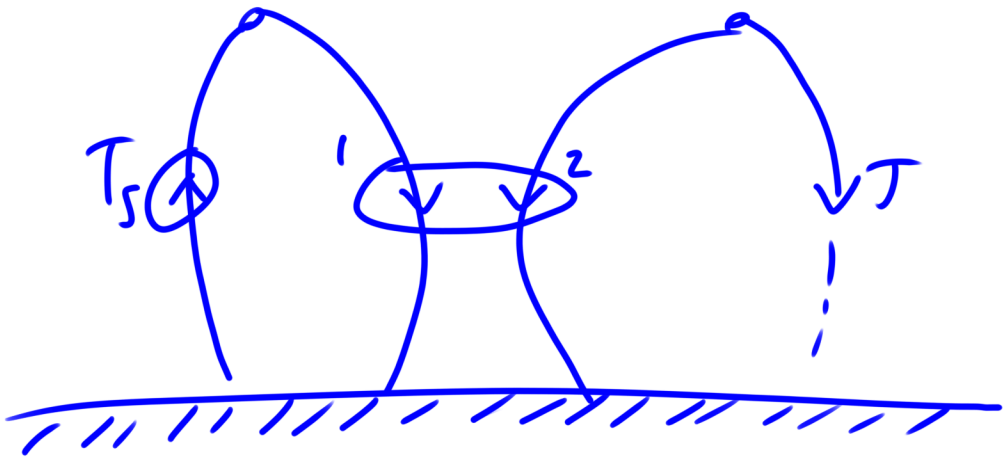


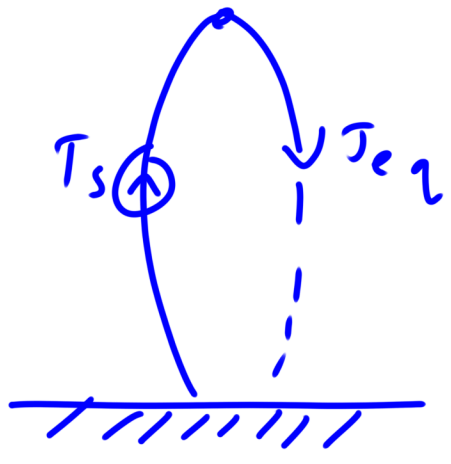


$$\frac{d\Omega_T}{dt} = \frac{1}{T}\tau_T \qquad \Omega_T = \Omega_2 \qquad \tau_T = -\tau_2$$

$$\frac{d\Omega_2}{dt} = \frac{-1}{T}\tau_2 \qquad \begin{bmatrix}\Omega_1\\ \tau_1\end{bmatrix} = \begin{bmatrix}-1/N & 0\\ 0 & N\end{bmatrix}\begin{bmatrix}\Omega_2\\ \tau_2\end{bmatrix}$$

$$-N\frac{d\Omega_1}{dt} = \frac{-1}{NT}\tau_1 \qquad \Omega_1 = \frac{-1}{N}\Omega_2$$

$$\Omega_2 = -N\Omega_1$$

$$\frac{d\Omega_1}{dt} = \frac{1}{N^2T}\tau_1 \qquad \tau_1 = N\tau_2$$

$$\tau_2 = \frac{1}{N}\tau_1$$

$$\frac{d\Omega_{Teq}}{dt} = \frac{1}{T_{eq}}\tau_{T_{eq}}$$

$$T_{eq} = N^2T \qquad N = 10$$

$$= 100\,T$$