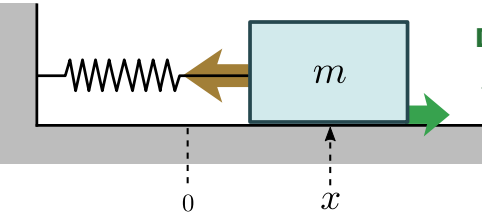


**Spring force**

$$F_1 = -m\omega_0^2 x$$



**Damping force**

$$F_2 = -2m\gamma\dot{x}$$