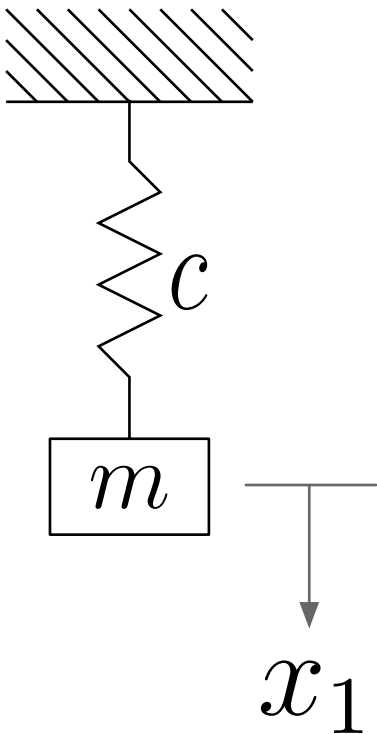


dynamical system:
pendulum



state space of the system

x_1 (position of the mass)

\mathbb{R}^2

