

Cart and pole apparatus, tiltmeter, Kapitza's pendulum Newtonovský pohľad, Lagrangeov pohľad.

$$\mathcal{L} =_{\text{def}} T - V = \frac{1}{2}m(l^2(\frac{d\theta}{dt})^2 + (\frac{d\xi}{dt})^2 + 2l \sin \theta (\frac{d\xi}{dt})(\frac{d\theta}{dt}))$$

