

# Review of Hamiltonian Mechanics

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# Hamilton's equation

$$\frac{dq}{dt} = \frac{dH}{dp}, \quad \frac{dp}{dt} = -\frac{dH}{dq}. \quad (1)$$



William Rowan Hamilton (1805 ~ 1865)

# Where to go next...

Let us go to the foundation of classical statistical mechanics.