

# Mechanics

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## 1 Kinematics

$$\Delta d = v_i \cdot \Delta t + \frac{1}{2} \cdot a \cdot \Delta t^2$$

$$v_f^2 = v_i^2 + 2 \cdot a \cdot \Delta d$$

$$\bar{a} = \frac{\Delta v}{\Delta t}$$

$$\bar{v} = \frac{\Delta d}{\Delta t}$$