

RELAZIONE TRA IMPULSO E QUANTITÀ DI MOTO

$$\vec{I} = \vec{F} \Delta t \qquad \vec{q} = m \vec{v}$$

$$\vec{a} = \frac{\Delta \vec{v}}{\Delta t} = \frac{v_f - v_i}{\Delta t}$$
$$\vec{F} = m \vec{a} \qquad \vec{F} = \frac{m \Delta \vec{v}}{\Delta t}$$

$$\vec{F} \Delta t = \frac{m \Delta \vec{v}}{\Delta t} \Delta t$$

$$F \Delta t = m (v_f - v_i)$$

$$F \Delta t = m v_f - m v_i$$

$$I = q_f - q_i = \Delta q$$

$$[N \cdot s]$$

$$kg \frac{m}{s}$$

$$\left[kg \frac{m}{s^2} \cdot s \right]$$

$$\left[kg \frac{m}{s} \right]$$