

Impulse is the instantaneous transfer of momentum in the same manner that work is the transfer of energy.

- $\vec{F}\Delta t = \int \vec{F}dt$
- $\vec{F}$  is defined to be  $\frac{d\vec{p}}{dt} = m\vec{a}$ .
- $\vec{p} = m\vec{v}$ .

#+end\_collapsible

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