

# Formulario

Felipe Colli \*

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## 1 MRU

- $v = \frac{\Delta x}{\Delta t}$   $\vec{v} = \frac{\vec{d}}{t} \left( \frac{m}{s} \right)$   $|\vec{v}| = v$
- $x(t) = x_i + vt$

## 2 MRUA

- $a = \frac{\Delta v}{\Delta t}$   $\vec{a} = \frac{\Delta \vec{v}}{\Delta t} \left( \frac{m}{s^2} \right)$   $|\vec{a}| = a$
- $v(t) = v_i + at$
- $x(t) = x_i + v_i t + \frac{1}{2}at^2$
- $v_f^2 = v_i^2 + 2a(x_f - x_i)$

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\*AFTIN y Profesor Paul Cáceres