

Classificação de Movimentos

MOVIMENTO
RETILÍNEO
UNIFORME

$v \rightarrow$ CONST.
 $a \rightarrow 0$
 $F_R \rightarrow 0$

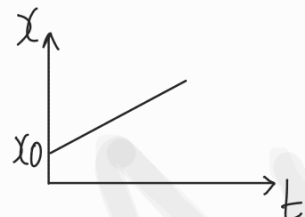
$$\Delta x = x_f - x_i$$

$$v_m = \frac{\Delta x}{\Delta t}$$

$$R_m = \frac{d}{\Delta t}$$

$$x = x_0 + v_0 t$$

$$v = v_0$$



MOVIMENTO
RETILÍNEO
UNIFORMEMENTE
VARIADO

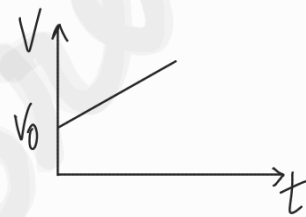
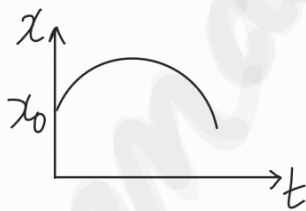
$v \rightarrow$ VARIA
 $a \rightarrow$ CONST.
 $F_R \rightarrow$ CONST.

LEIS DO MOVIMENTO

$$x = x_0 + v_0 t + \frac{1}{2} a t^2$$

$$v = v_0 + a t$$

• GRAVES

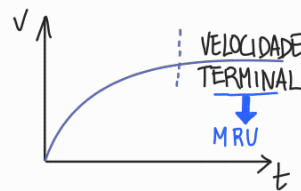


MOVIMENTO
RETILÍNEO
VARIADO

$v \rightarrow$ VARIA
 $a \rightarrow$ VARIA
 $F_R \rightarrow$ VARIA

• QUEDAS C/
RESISTÊNCIA
AR APRECIÁVEL
[PARAQUEDISTA]

⚠ NÃO SE APLICAM
LEIS MOVIMENTO



MOVIMENTO
CIRCULAR
UNIFORME

$v \rightarrow$ CONST.
 $a \rightarrow$ CONST.
 $F_R \rightarrow$ CONST.

$$v = \frac{2\pi r}{T}$$

$$w = \frac{2\pi}{T}$$

$$v = w \cdot r$$

$$a_c = \frac{v^2}{r}$$

$$F_c = m \cdot a_c$$

• SATÉLITES
 $F_r = F_g$

2ª LEI = LEI GRAVITAÇÃO
NEWTON UNIVERSAL