

Apostila 5

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GNOMO

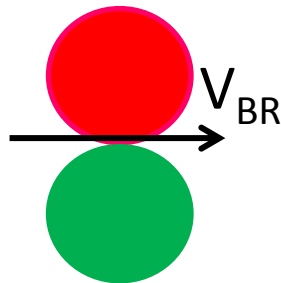
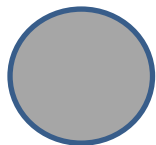
Aulas 6 e 7

***Sistema
Isolado***

Sistema Isolado

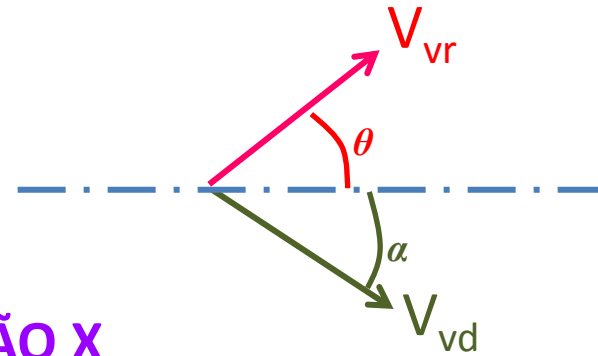
Gnomo

$$\vec{Q}_{\text{sistema}} = \text{constante}$$



Sistema Isolado

$$\vec{Q}_{\text{sistema}} = \text{constante}$$



DIREÇÃO X

$$Q_{\text{antes}} = m_{BR} \cdot V_{BR}$$

DIREÇÃO X

$$Q_{\text{antes}} = Q_{x_{vr}} + Q_{x_{vd}} \rightarrow$$

$$\rightarrow m_{BR} \cdot V_{BR} = m_{BR} \cdot V_{BR} \text{ sen}\theta + m_{vd} \cdot V_{vd} \text{ sen}\alpha$$

DIREÇÃO Y

$$Q_{\text{antes}} = 0$$

DIREÇÃO Y

$$Q_{y_{vd}} = Q_{y_{vr}} \rightarrow$$

$$\rightarrow m_{vd} \cdot V_{vd} \text{ sen}\alpha = m_{BR} \cdot V_{BR} \text{ sen}\theta$$