

3ª legge di Newton (principio di osione e ressione)

$$\frac{1}{\sqrt{P}} = \frac{1}{2} = m \frac{1}{2}$$

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Fi = māi => āi R = Z: Fi $R = 0 \Rightarrow \bar{\alpha} = 0 \Rightarrow \sqrt{2} \cos t$ | $\sqrt{2} \cos \frac{1}{2} \cos \frac{1}{$ (R) = 0 Rx = Ry = Rz = 0 $\Rightarrow \sum_{i} F_{ix} = 0$ $\sum_{i} F_{iy} = 0$ $\sum_{i} F_{iz} = 0$

$$\Rightarrow \bar{R}_1 = 0 \Rightarrow \bar{F}_1 + \bar{F}_2 + \bar{F}_3 = 0$$

$$x: \int F_{1x} + F_{2x} + F_{3x} = 0 \Rightarrow -|F_{1}| + F_{2} e_{1} = + F_{3x} = 0$$

 $y: \int F_{1y} + F_{2y} + F_{3y} = 0 \Rightarrow F_{2} \cap f_{1x} = 0$

$$\begin{cases} F_{3x} = +|\bar{F}_{1}| - F_{2} \cos \theta \\ F_{3} = \sqrt{F_{3x}^{2} + F_{3y}^{2}} = 28.5 \text{ N} \end{cases}$$

$$\begin{cases} F_{3y} = -F_{2} \sin \theta \end{cases}$$

$$tg \phi = \frac{F_{3y}}{F_{3x}} \Rightarrow \phi = otg \left(\frac{F_{3y}}{F_{3x}}\right) = -38.4^{\circ}$$