

1^{re} loi de Newton

(principe d'inertie)

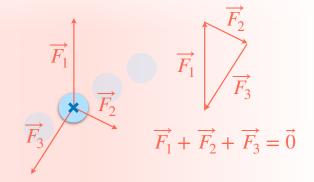
$$\begin{array}{ccc}
\mathsf{MRU} & \Leftrightarrow & \sum \overrightarrow{F} = \overrightarrow{0} \\
\Leftrightarrow & & & & \\
\end{array}$$

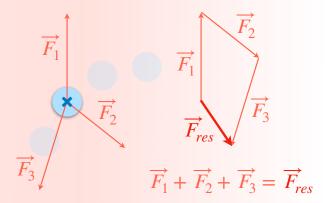
$$\overrightarrow{\Delta v} = \vec{0}$$

Et donc (contraposée)

$$\frac{\mathsf{MRU}}{\mathsf{MRU}} \Leftrightarrow \sum \vec{F} \neq \vec{0}$$

$$\overrightarrow{\Delta v} \neq 0$$





$$m \times \overrightarrow{\Delta v} \approx \overrightarrow{F}_{res} \times \Delta t$$

