



$$\frac{d\vec{v}_{p}}{dt} = \frac{d\vec{v}_{0}}{dt} + \frac{d\vec{v}_{p}}{dt} + \frac{d}{dt} (\vec{v}_{0} \vec{v}_{0})$$

$$= \vec{a}_{0}, \quad \vec{z}_{1} + \vec{z}_{2} + \vec{z}_{3} + \vec{z}_{$$

$$= \vec{a}_0' + \vec{z}_0 \dot{z}_1' \dot{e}_1' + \vec{z}_0' \wedge \vec{z}_0 \dot{z}_1' \dot{e}_1'$$

accélèrate dons R' ap

clas R

