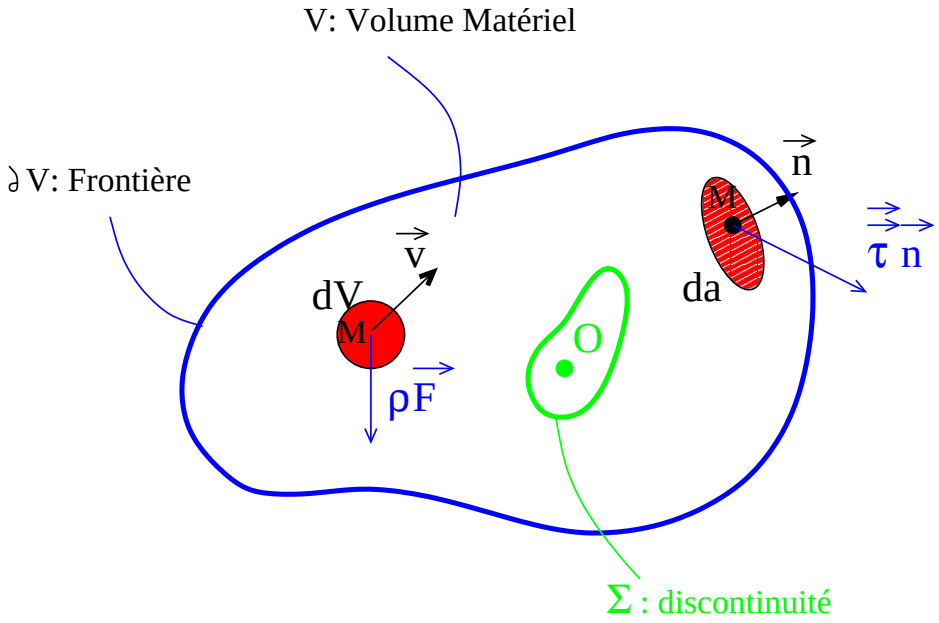
Conservation du Moment Angulaire



Tenseur des contraintes:

$$\vec{\vec{\tau}} = -p\vec{\vec{1}} + \vec{\vec{\sigma}}$$

Forces de volumes extérieures:

$$\rho\vec{F}$$

Centre de masse: O

Bilan de Moment Angulaire $\vec{M}$:

$$\frac{d\vec{M}}{dt} = \frac{d}{dt}\int_V O\vec{M} \wedge \rho\vec{v}\, dV = \int_V O\vec{M} \wedge \rho\vec{F} dV + \int_{\partial V} O\vec{M} \wedge \left(\vec{\vec{\tau}}.\vec{n}\right) da$$