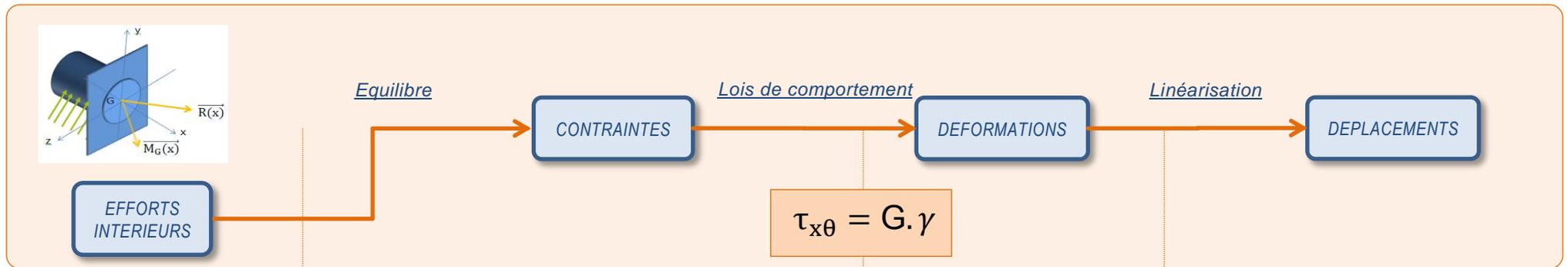
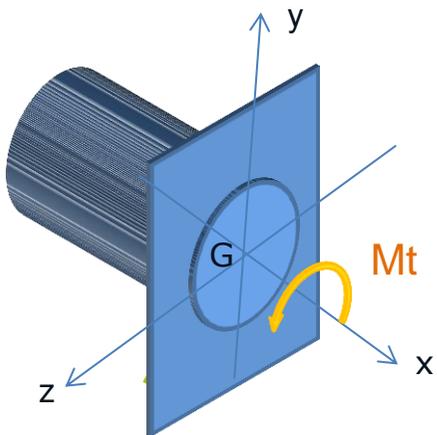


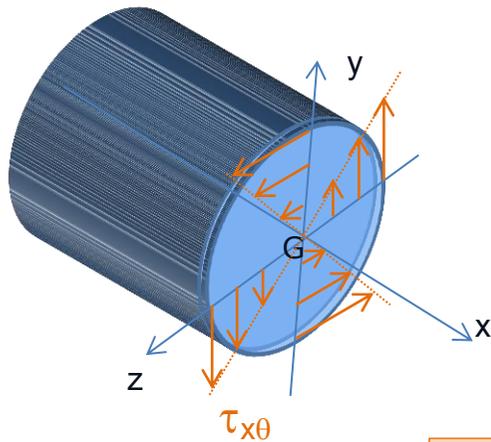
Synthèse – TORSION



$$\{T_{int}\} = \begin{Bmatrix} 0 & Mt \\ 0 & 0 \\ 0 & 0 \end{Bmatrix}_G$$

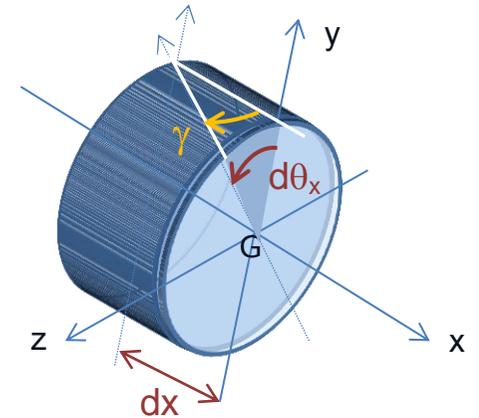
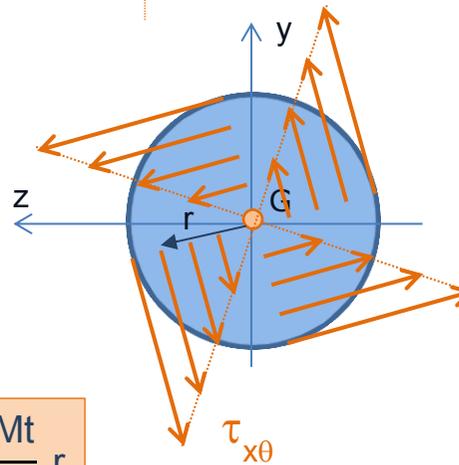


Uniquement pour les sections circulaires



$$\tau_{x\theta} = \frac{Mt}{I_{Gx}} \cdot r$$

Répartition linéaire des contraintes suivant le rayon
(Lieu de contraintes nulles : point G)



$$Mt = G \cdot I_{Gx} \cdot \frac{d\theta_x}{dx}$$

Si le moment de torsion est uniforme sur la longueur de la poutre L

$$Mt = G \cdot I_{Gx} \cdot \frac{\Delta\theta_x}{L}$$