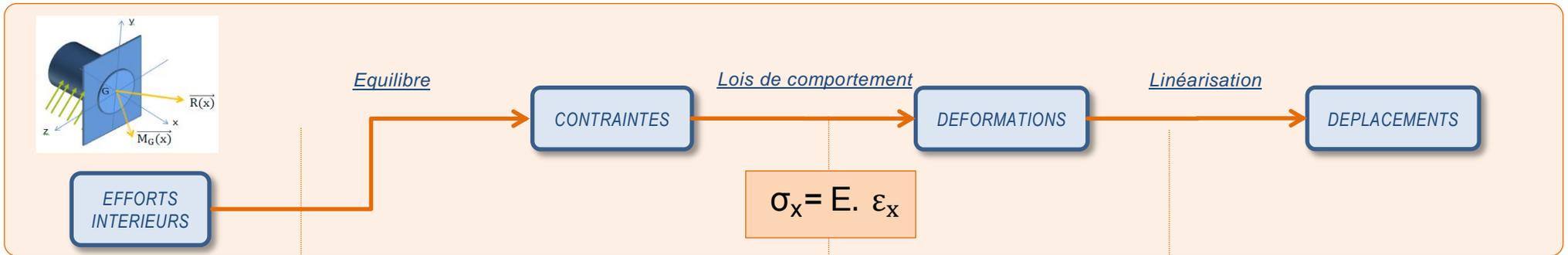
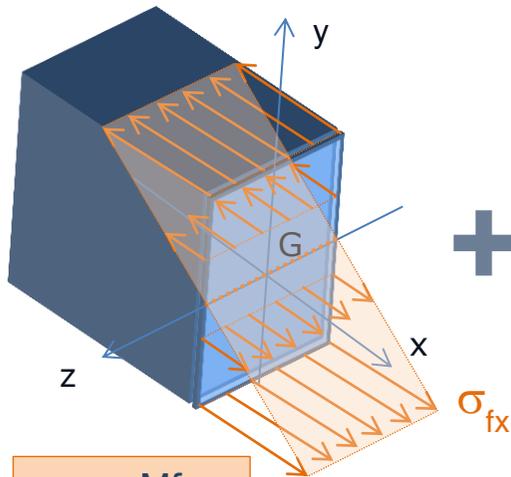
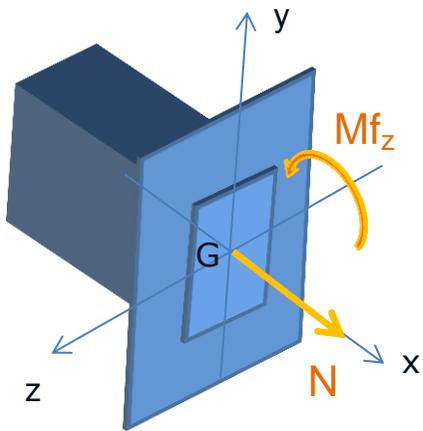


Synthèse – FLEXION-TRACTION



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

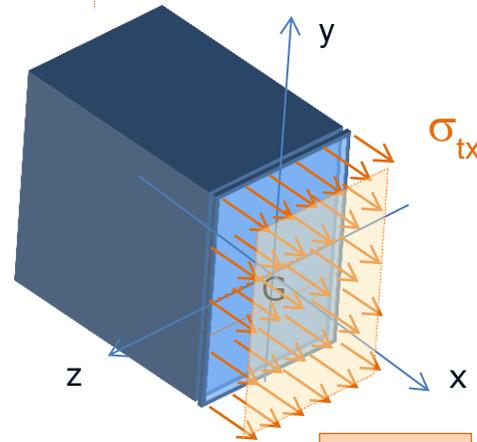


$$\sigma_{fx} = \frac{-Mf_z}{I_{Gz}} \cdot y$$

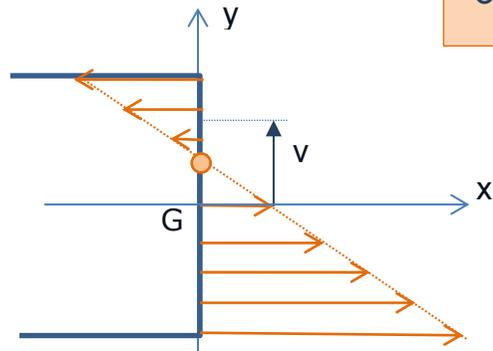
$$\vec{C}_{M,\vec{x}} = \sigma_x \cdot \vec{x}$$

contrainte normale

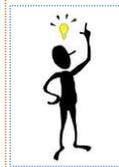
+



$$\sigma_{tx} = \frac{N}{S}$$



On superpose les déformations de flexion et les déformations de traction



Les déformations dues à l'effort normal sont souvent négligées par rapport aux déformations dues au moment fléchissant.