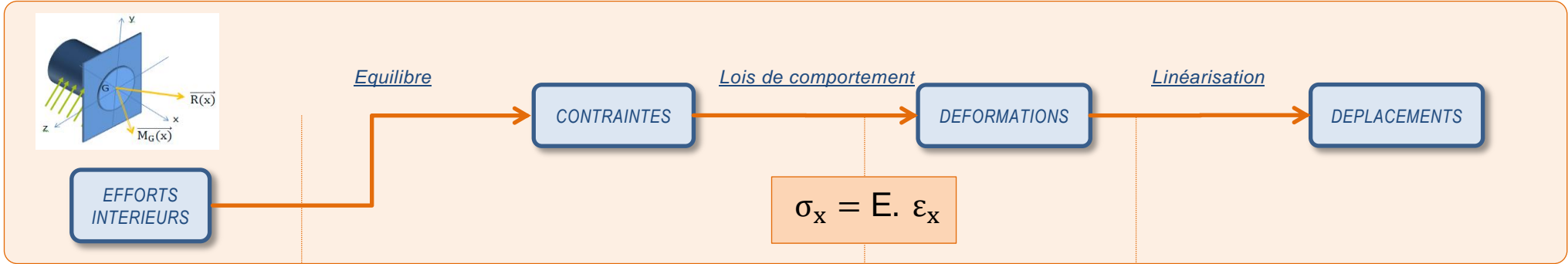
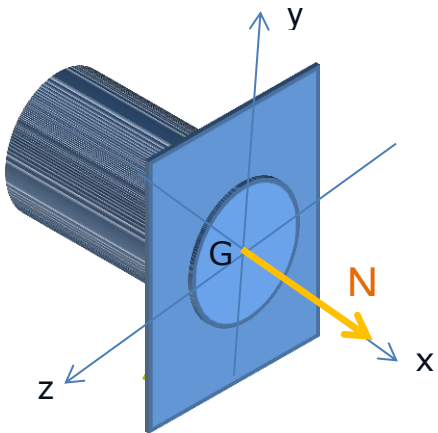


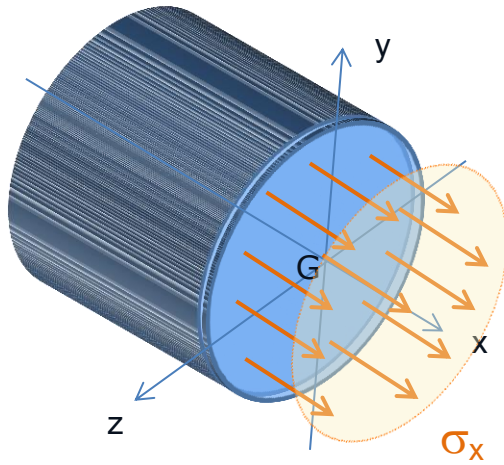
Synthèse – TRACTION



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



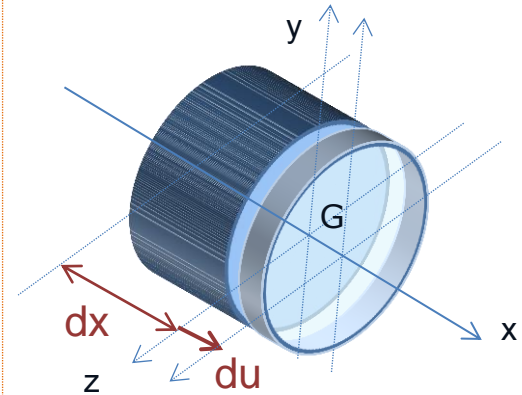
$N > 0$ Traction
 $N < 0$ Compression



$$\sigma_x = \frac{N}{S}$$

Répartition uniforme des contraintes

$$\epsilon_x = \frac{N}{E \cdot S}$$



$$du = \epsilon_x \cdot dx = \frac{N}{E \cdot S} \cdot dx$$

Si l'effort normal et la section sont constants sur la longueur L

$$\Delta L = \frac{N \cdot L}{E \cdot S}$$