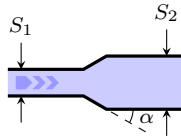


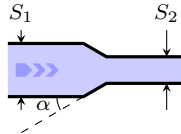
Divergent

$$K = \left(1 - \frac{S_1}{S_2}\right)^2 \quad \text{si } \alpha > 22,5^\circ$$



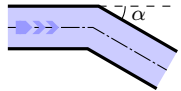
Convergent

$$K = \frac{1}{2} \left(1 - \frac{S_2}{S_1}\right)^2 \sqrt{\sin \alpha} \quad \text{si } \alpha > 22,5^\circ$$



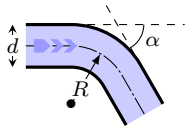
Coude brusque

$$K = \sin^2 \alpha + 2 \sin^4 \left(\frac{\alpha}{2}\right)$$



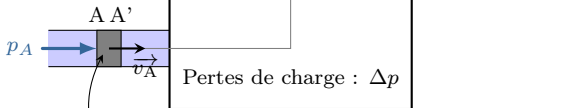
Coude arrondi

$$K = \frac{2\alpha}{\pi} \left[0,131 + 1,847 \left(\frac{d}{2R}\right)^{7/2} \right]$$

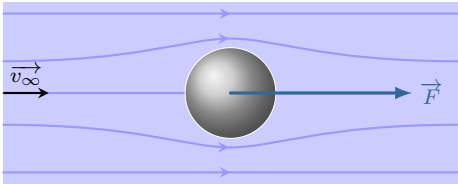


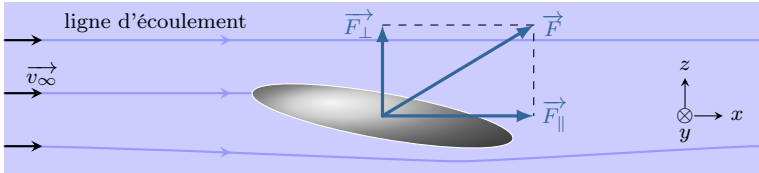
Machine hydraulique

Puissance fournie : \mathcal{P}



$$dm = \rho v_A dt S_A$$





Sphère

1/2 Sphère

Cône 60°

Cube

Cube à 45°

Cylindre

Corps profilé

sens de l'
écoulement
↓



$C_x =$

0,47

0,42

0,50

1,05

0,80

0,85

0,04