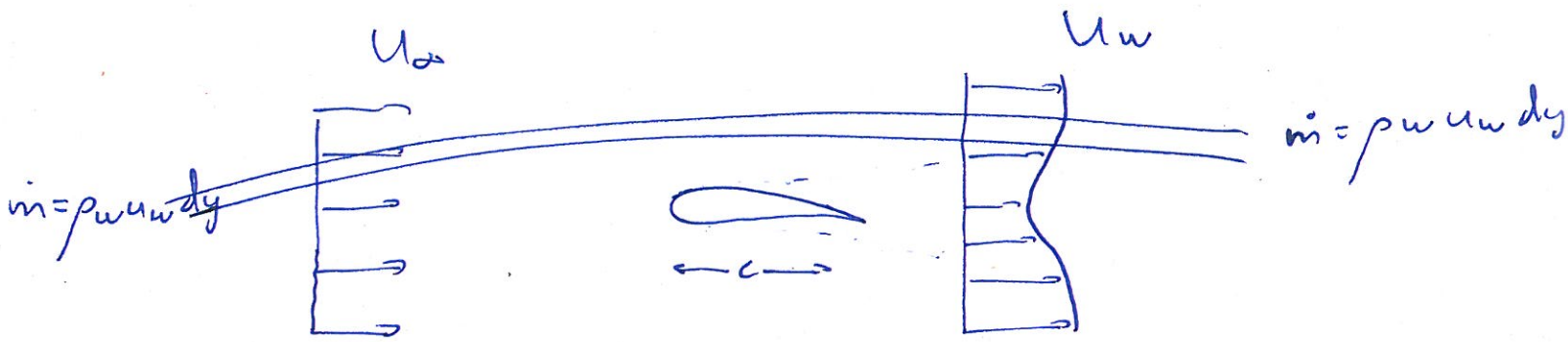


Trainé de Profil



$$D = \int U_\infty \rho u w dy - \int u w \rho u w dy$$

écoulement incompressible $\rho = \rho_\infty = \rho_w$

$$C_D = \frac{D}{\frac{1}{2} \rho_\infty U_\infty^2 c} = \frac{2}{c} \int_0^\infty \left(\frac{u w}{U_\infty} - \frac{u w^2}{U_\infty^2} \right) dy = \frac{2}{c} \int_0^\infty \frac{u w}{U_\infty} \left(1 - \frac{u w}{U_\infty} \right) dy$$

$$C_D = 2 \frac{\theta_\infty}{c}$$

SQUIRE-YOUNG

$$C_D = 2 \left(\frac{\theta}{c} \right)_{TE} \left(\frac{U_{TE}}{U_\infty} \right)^{\frac{H_{TE} + 5}{2}}$$

