



coefficiente di efflusso  $\leftarrow$   $\rightarrow$  coefficiente contrazione

$$Q_u = C_v \cdot C_c \cdot A_u \sqrt{2g(z_1 - z_u)}$$

$\sim 0,97 - 0,98 \sim 0,61$   
se non 1

$$W_T = \eta_T \gamma Q \Delta H_1$$

$$\Delta = \frac{\gamma_u - \gamma}{\gamma}$$

$$J = \lambda \frac{V^2}{2gD}$$

$$\lambda = \frac{64}{Re} \quad \frac{1}{\sqrt{\lambda}} = -2 \log_{10} \left( \frac{2,51}{Re \sqrt{\lambda}} + \frac{\epsilon}{3,71D} \right)$$

$$Re = \frac{\rho V D}{\mu}$$