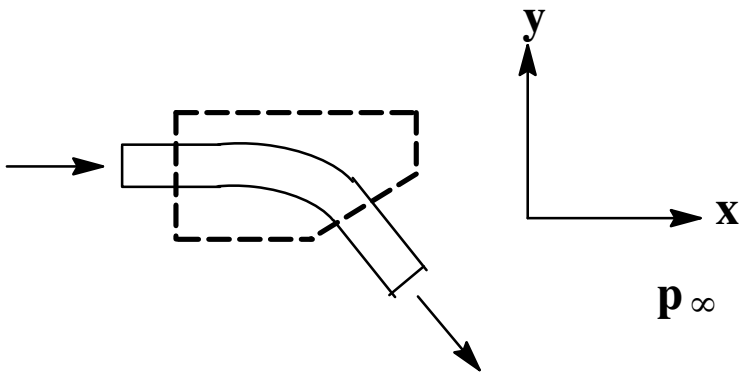
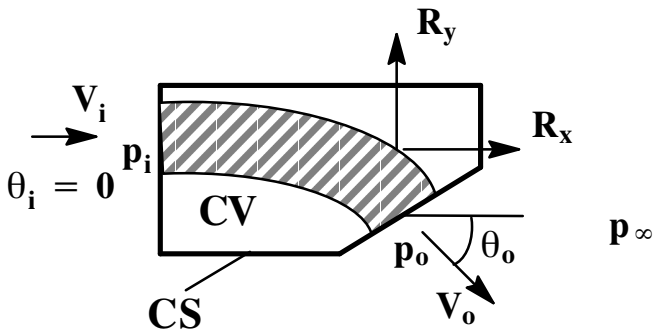
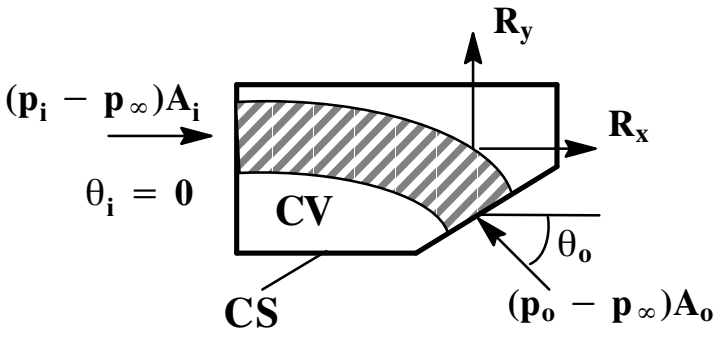
PIPE BEND





Flow



Forces

$$\sum F_x = (p_i - p_\infty)A_i \cos\theta_i - (p_o - p_\infty)A_o \cos\theta_o - R_x = \dot{m}(V_{o_x} - V_{i_x})$$

$$\sum F_y = (p_i - p_\infty)A_i \sin\theta_i + (p_o - p_\infty)A_o \sin\theta_o - R_y = \dot{m}(-V_{o_y} - 0)$$