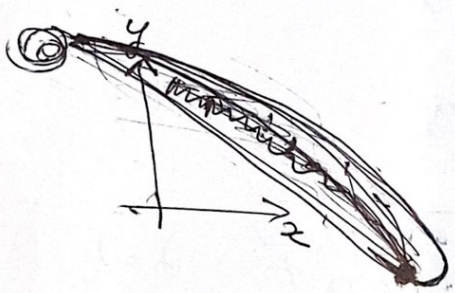
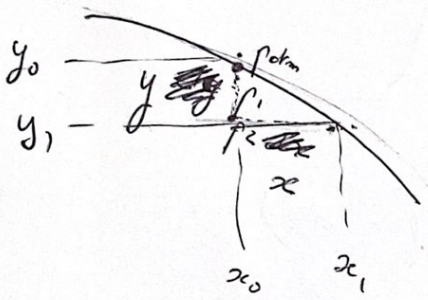


$$y = f(x)$$

$$K = \frac{-f''}{\left(\sqrt{1+f'^2}\right)^3}$$



$$p_1 = p_{atm} + \sigma \cdot K(x_0)$$

$$p_2 = p_1 + \rho g (y_0 - y_1)$$

$$p_2 - p_{atm} = \sigma \cdot K(x_1)$$

$$\sigma K(x_1) = \sigma \cdot K(x_0) + \rho g (y_0 - y_1)$$

$$\Rightarrow \sigma K(x_1) + \rho g y_1 = \sigma \cdot K(x_0) + \rho g y_0$$

$$K = \frac{d\alpha}{ds}$$

$$dx = ds \cos\alpha$$

$$dy = ds \sin\alpha$$