

# Method of Thwaites

soit  $\lambda \equiv \frac{\Theta^2}{\nu} \frac{du}{dx}$  ,  $l \equiv \frac{\Theta \partial^2 u / \partial y^2}{u}$

$C_f = \frac{2l}{(u_c \Theta / \nu)}$

et pour  $0 \leq \lambda \leq 0.1$

$$l = 0.22 + 1.57\lambda - 1.8\lambda^2$$

$$H = 2.61 - 3.75\lambda + 5.24\lambda^2$$

pour  $-0.1 \leq \lambda \leq 0$

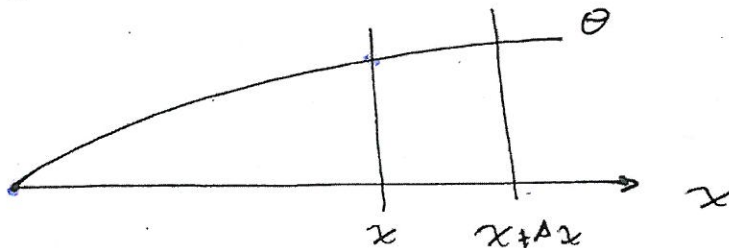
$$l = 0.22 + 1.402\lambda + (0.018\lambda)/(0.107 + \lambda)$$

$$H = (0.0731)/(0.14 + \lambda) + 2.088$$

alors

$$\left. \frac{\Theta^2 u_c^6}{\nu} \right|_{x+\Delta x} = \left. \frac{\Theta^2 u_c^6}{\nu} \right|_x + 0.45 \int_x^{x+\Delta x} u_c^5 dx$$

$$\delta^* = H \Theta$$



Vous pouvez aussi remplacer  $x$  par  $s$  (courviligne)

