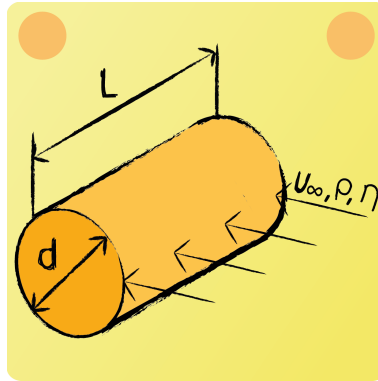


## Lecture 6 Question 2.1

Give an expression for the Reynolds number  $Re$ , for transverse flow around a cylinder.



The characteristic length in this case is the diameter  $d$  of the cylinder, thus:

$$Re_d = \frac{u_\infty \cdot \rho \cdot d}{\eta}$$