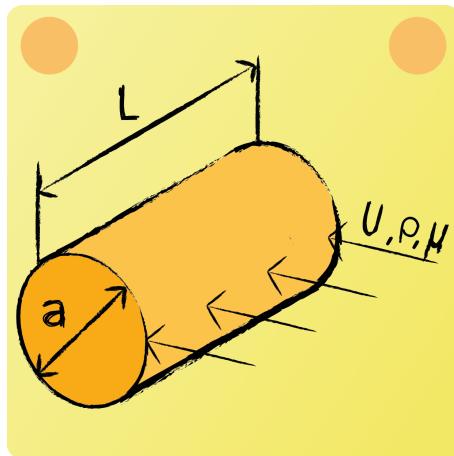


Lecture 03 - Reynolds 02

Give an expression for the Reynolds number Re , in terms of the given variables.



Reynolds number:

$$Re = \frac{uL_c}{\nu}$$

Where the kinematic viscosity can be expressed as:

$$\nu = \frac{\rho}{\mu}$$

And the length of the sketched situation:

$$L_c = a$$

So:

$$Re = \frac{u\rho a}{\mu}$$