
Assignment Title

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The Reynolds number, Re , is useful because it shows up in the Navier-Stokes equations:

$$\frac{\partial \mathbf{u}}{\partial t} + (\mathbf{u} \cdot \nabla) \mathbf{u} = -\frac{\nabla p}{\rho} + \mathbf{g} + \nu \nabla^2 \mathbf{u}$$

Other useful commands are used in the following ∇u , and now $\frac{d^3 y}{dx^3}$.