

Concepts Covered in Pre/Post-Tests for 57:020

Lab1: Pipe Flow

1. Definition of Reynolds number and its value to distinguish laminar and turbulent flows.
2. Definition of “CFD Process”
3. Boundary conditions
4. Comparison of normalized axial velocity profile for laminar and turbulent pipe flows.
5. Developing vs. developed.
6. Validation using EFD for turbulent pipe flow