ENGINEERING 5961

FLUID MECHANICS I

HOMEWORK #0

Write a brief summary of each of the EFLUIDS videos
on the FLUID DYNAMICS OF DRAG and the videos FLOW
VISUALIZATION and TURBULENCE. Each summary should be
1 page long and should be presented in bullet form.

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LAB #0

Develop a FLOW-3D simulation of flow around a
sphere. Use the simulation to check out the drag
scaling laws for spheres. Develop a FLOW-3D
simulation of pipe flow. Use the simulation to check
out the Moody Diagram curve for smooth pipes.