Assignment: Chapt. 6  DUE: Thursday June 1 in class.

Problem 6.1 (Hint: the probability density function of vorticity, $B(\omega)$, should be estimated in terms of Re based on the volume fraction results obtained in problem 3.2)

Chapter 6 deals with the statistical interpretation of turbulence and some of the characteristics of these measures. Rather than have an exercise applying some of these methods examine recent papers found in Journal of Fluid Mechanics, pick one paper dealing with turbulent flow and discuss how statistical methods have been used/justified in the study of the flow.