

CIEG 680 Homework 3 Due TUESDAY, MARCH 18



1. Write a Matlab function that will take as input, wave height, wave period and water depth and return as output the wave celerity, group speed, wave length, energy density, wave power, maximum orbital velocity and maximum orbital diameter at the bed. Test your code with a 5 m, 20 s wave in 40 m water. “store” in your Matlab Toolbox. Turn in code and results.
2. DD 5.1
3. DD 5.6
4. DD 5.10
5. Komar chapter 5 problem 4
6. Komar chapter 5 problem 5