Math 210B: Mathematical Physics

Instructor: Michael Holst

Winter Quarter 2016

Homework Assignment #3

Due Date: NONE (just some suggested problems to look at to complement the lectures)

Exercise 3.1. (*Generalized Functions and PDE*)

- Exercise 6.6(1) in 1st Ed. (6.7(1) in 3rd Ed.)
- Exercise 6.6(3) in 1st Ed. (6.7(3) in 3rd Ed.)
- Exercise 6.6(4) in 1st Ed. (6.7(4) in 3rd Ed.)
- Exercise 6.6(5) in 1st Ed. (6.7(5) in 3rd Ed.)
- Exercise 6.6(6) in 1st Ed. (6.7(6) in 3rd Ed.)
- Exercise 6.6(7) in 1st Ed. (6.7(7) in 3rd Ed.)
- Exercise 6.6(8) in 1st Ed. (6.7(9) in 3rd Ed.)
- Exercise 6.6(9) in 1st Ed. (6.7(10) in 3rd Ed.)
- Exercise 6.6(10) in 1st Ed. (6.7(11) in 3rd Ed.)
- Exercise 6.6(11) in 1st Ed. (6.7(12) in 3rd Ed.)
- Exercise 6.6(13) in 1st Ed. (6.7(14) in 3rd Ed.)
- Exercise 6.6(14) in 1st Ed. (6.7(15) in 3rd Ed.)
- Exercise 6.6(18) in 1st Ed. (6.7(23) in 3rd Ed.)
- Exercise 6.6(19) in 1st Ed. (6.7(24) in 3rd Ed.)
- Exercise 6.6(20) in 1st Ed. (6.7(25) in 3rd Ed.)
- Exercise 6.6(21) in 1st Ed. (6.7(26) in 3rd Ed.)
- Exercise 6.6(22) in 1st Ed. (6.7(27) in 3rd Ed.)