

PHYS:4762 Homework #11

Reading: Read Arfken, Weber, & Harris, Chapter 21, Section 21.2–21.4 (p.1053–1077)
Chapter 22, Section 22.1 (p.1081–1093)

Due at the beginning of class, Thursday, April 26, 2018.

Homework Problems:

1. (10 pts) Chapter 21, Exercise 21.2.3 (a)
2. (10 pts) Chapter 21, Exercise 21.2.9 (a)
3. (15 pts) Chapter 21, Exercise 21.2.10
4. (10 pts) Chapter 21, Exercise 21.3.1 (a)
5. (15 pts) Chapter 21, Exercise 21.4.3
Note: You may assume the solution of the homogeneous integral equation, done in Example 21.2.3, is known.
6. (20 pts) Chapter 22, Exercise 22.1.10 (a)