

# 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 28, 2016.

## Homework Problems:

1. Chapter 21, Exercise 21.2.3 (a)
2. Chapter 21, Exercise 21.2.9 (a)
3. Chapter 21, Exercise 21.2.10
4. Chapter 21, Exercise 21.3.1 (a)
5. 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. Chapter 22, Exercise 22.1.10 (a)