Physics 430: Problem Set #4

Due Thursday 2/21/19, 10:35 am (in class)

• All problems are from David Griffiths: Introduction to Electrodynamics, 3rd Edition.

1. Page 75, Problem 2.12; Ignore the comparison part.

2. Page 75, Problem 2.15.

3. Page 75, Problem 2.16.

4. Page 75, Problem 2.18. (Hint: Find the electric field at that point due to each charged sphere and then do a vector summation.)

5. Page 82, Problem 2.21.

6. Page 90, Problem 2.30(b).