Physics 110B, Problem Set 5

Due Sunday, February 16, 11:59pm

NOTE UNUSUAL DUE DATE

1   Griffiths Problem 9.28 5th edition, 9.27 4th edition

This problem involves some tedious algebra that needs to be repeated several times, once per component. To preserve your sanity:

- In part (a) only derive sub-equations (i) and (v) of equation 9.181 (5th edition) or 9.179 (4th edition). Then take 9.181 (9.179) as a given and only derive sub-equation (i) and (iv) of 9.182 (9.180)

- In part (b) only do the first part, in other words: no check.

2   Griffiths Problem 9.29 5th edition, 9.28 4th edition