

The problems are selected from the 3rd edition of “Introduction to electrodynamics” by David J. Griffiths.

Homework set #4, due Tuesday Feb 12th at 2:00 PM in class

Problems 4.3, 4.4, 4.7, 4.8, 4.9, 4.12, 4.17, 4.18, 4.21, *4.22, *4.28, 4.32, *4.34

For problem 4.28, you first need to calculate the capacitance of the system as a function of the height h , then the force can be calculated from the change in the energy versus h .

Problems with the * sign require some more work, but are not necessarily very hard.

Three unhande-in homework problems = FAIL , but blank-sheet homeworks with your name on it are accepted. Late homeworks will not be accepted.