Physics 212: Lecture 18

Monday, April 1, 1999
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1 Announcements

The date for the second midterm was postponed from April 1 to next Monday, April 5. The exam will be held in Physics 05 (not in our usual LSRC seminar room!) from 2:15-3:30 pm. As before, the exam will be closed book and no calculators will be allowed. The exam will cover all lecture material, book reading, and homework assignments since the last midterm.

2 Reading

For Thursday of next week (after the midterm) please start reading Section 5.3 of Griffiths.

3 Course Projects

Now that it is April, it is quite important that you start putting several hours into your course project every week for the next few weeks. I plan to decrease the amount of homework per week during the rest of the semester but this is with the expectation that you will put an equal amount of time into preparing your talk and paper.

Please don't hesitate to meet with me if you have questions about your project, either the physics that you will be discussing or how to prepare it. I will be organizing one or two evening lectures for us to discuss the preparation of lecture slides and a technical paper.

4 Comments on Assignment 6

Discussed in class how to evaluate the six-dimensional integral that gives the average interaction energy $\langle maie^2/r_{12}\rangle$ of two electrons in the ground state of a He atom (assuming that the two electrons are themselves in non-interacting single-particle ground states).

Discussed in class how to find the energies and wavefunctions