

Physics 221B
Spring 2022
Homework 15
Due Friday, January 28, 2022 at 5pm

Note: As long as we are meeting remotely, homeworks should be turned in by emailing a pdf copy to HW221A@gmail.com. When the campus opens up a new policy will be announced.

Homework policy will be the same as last semester. Homeworks will usually be made available by Friday or Saturday of each week, and will be due on Friday at 5pm of the following week. Late homeworks will be accepted at 1/2 credit up to one week late; after that late homeworks will not be accepted. The exception is that each student is allowed one free late homework, up to one week late, with no questions asked.

Reading Assignment: Notes 28 and Notes 29, entire; Notes 30, Secs. 1–7. **Supplementary Reading:** Commins discusses the variational method in Sec. 9.1, identical particles in Secs. 11.1–11.3 and helium in Secs. 11.5–11.7.

Please do problems 28.2, 28.3, 29.1 and 29.3.