

**Physics 221A**  
**Fall 2017**  
**Homework 13**  
**Due Monday, November 27, 2017 at 6pm**

**Reading Assignment:** Notes 24, Secs. 10–18; Notes 25 entire; Notes 26, Secs. 1–5. Supplementary reading: Commins discusses the fine structure, hyperfine structure and Zeeman effect in Secs. 10.1–10.3.

I am making this homework due on Monday, November 27 instead of Friday, November 24 since the latter is a holiday. I will hold office hours on Monday, November 27, 12:30–1:30pm (the usual time, just on Monday).

Please do problems 23.2, 25.1 and 25.2.