

**Physics 221B**  
**Spring 2022**  
**Homework 17**  
**Due Friday, February 11, 2022 at 5pm**

**Reading Assignment:** Notes 32, Secs. 7–14 and 16; Notes 33, Secs. 1–8. You may skip Sec. 15 of Notes 32 on Koopmans' theorem, and you may skip all of Notes 31 on the Thomas-Fermi model. **Supplementary Reading:** Commins Sec. 11.8 and 12.1–12.3.

Please do problems 32.1, 32.2 and 32.3.