

**Physics 221B**  
**Spring 2017**  
**Homework 17**  
**Due Friday, February 10, 2017**

Notes 33, Secs. 14-16; Notes 35 entire; first set of handwritten nlecture notes for Feb. 2, pp. 1-11, which covers hard sphere scattering and general properties of the phase shifts, and the second set of handwritten notes for that day, which covers the optical theorem. We didn't quite finish the optical theorem on Thursday.

Supplementary Reading: Commins, Secs. 18.1-18.4, pp. 421-437.

Please do problem 35.1.