

Physics 4243/5243
Problem Set # 9
Due Monday: April 13, 2015

Extra Problem for Grad Students and very enthusiastic undergrads:
Read Kittel 198-205 on the physical interpretation of effective mass.
You should also read the wiki on effective mass.

http://en.wikipedia.org/wiki/Effective_mass_%28solid-state_physics%29

In your own words describe what effective mass is. I expect a full paragraph in full sentences.

Problem 1:
Simon 17.1

Problem 2:
Simon 17-2 (not part c)

Problem 3:
Simon 17.3

Problem 4:
Simon 17.5