Physics 221A

Fall 2019

Homework 12

Due Friday, November 22, 2019

Reading Assignment: Notes 19, Secs. 7–19; Notes 20, Secs. 1–7. Sec. 20 of Notes 19 contains a proof of the Wigner-Eckart theorem but a simpler proof was outlined in class. Supplementary Reading: Commins covers the Wigner-Eckart theorem and related matters in Secs. 7.9–7.12.

Make sure you know how to read the table of Clebsch-Gordan coefficients that is linked to on the course web site.

Please do problems 19.1, 19.2, 19.3, 19.4.