To sign up for a problem go to http://www.uakron.edu/library/ follow the links to “Gateway to Information”, “Reserve Materials”, “Electronic Reserves”, “Find your course”, “List courses by instructor’s last name”, “Luettmer-Strathmann”, “Quantum Mechanics I”. You will be asked for a password, it is quantum . On the left of the page is the button to the “Bulletin Board”.

Please hand in your homework in class on Thursday, December 7, or by 5 pm on Friday the 8th.

1. Shankar, p. 329, Problem 12.5.3

   Please note that there is a misprint in the problem. The transformation should read
   \[ Y_l^m \stackrel{\Pi}{\rightarrow} (-1)^l Y_l^m. \]  


If you haven’t done so already, please read Chapter 12.