

Physics 615  
Homework #7

Fall, 2013  
Due: Oct. 25 at 3:00 P.M.

**1** [20 pts] Do problem 4.3 from Peskin and Schroeder. This is one of the simpler examples of a model with spontaneous symmetry breaking.

We will briefly discuss spontaneous symmetry breaking and the essential role it plays in the “standard model” starting just before thanksgiving.