

PHYS 7325 Homework 5

Professor Halverson

Due: December 6, 2019

1. Global Symmetry Breaking

- a) 4 points. Zee IV.1.1.
- b) 4 points. Zee IV.1.2.

2. Topological Defects

- a) 4 points. Zee V.6.1. What is the physical point of this problem?
- b) 2 points. Zee V.7.7.
- c) 2 points. Zee V.7.8.

The last two problems contain some things beyond what we've done in class, so in this case I will emphasize: there are significant hints in the back of the book.