

Physics III
Homework Three
Due Friday 16 April, 2010

1. The the EPR experiment described in Chapter 6 and discussed in class, suppose that a right-going particle has the instruction set RRG. Complete the table on page 44 for this situation. What is the probability that the two dectectors flash different colors?
2. Repeat the above probelm for the case in which the left-going particle has the instruction set RGR.
3. Repeat the above probelm for the case in which the left-going particle has the instruction set GGG.
4. Styer, problem 6.2
5. Styer, problem 6.4