

Physics 7501: Homework Set No. 10

**Due date: Tuesday, November 24, 2015, 5:00pm
in PRB 3018 (Fuyan Lu's office)**

Total point value of set: 70 points

Problem 1 (10 pts.): Exercise 9.4.1 (Shankar, p. 244)

Problem 2 (10 pts.): Exercise 9.4.2 (Shankar, p. 244)

Problem 3 (10 pts.): Exercise 9.4.3 (Shankar, p. 244)

Problem 4 (10 pts.): Exercise 9.4.4 (Shankar, p. 244)

Problem 5 (10 pts.): Exercise 10.1.1 (Shankar, p. 251)

Problem 6 (10 pts.): Exercise 10.1.2 (Shankar, p. 251)

Problem 7 (10 pts.): Exercise 10.2.1 (Shankar, p. 259)