

**Problem Set 10**

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**Due date:** Monday, December 15, 6PM.

Problems will be collected and graded. You may bring your homeworks to class or drop them in my mailbox in front of the Physics Department office. No late homework will be considered.

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1. Jackson, Problem 6.8.
2. Jackson, Problem 6.15.
3. Jackson, Problem 6.18.
4. Jackson, Problem 7.3. Consider only the case of  $E$  perpendicular to the plane of incidence.
5. Jackson, Problem 7.4.

(Maximal score 30 points)