

Oral Exam, July 2020, 4th year Mathematics, Field Theory

Teacher: Samy H. Aly

- 1- Discuss the propagation of electromagnetic waves in dielectric and in conducting media. Highlight the main differences between the two.
- 2- Explain this statement: “ According to the special theory of relativity, an observer in an inertial frame of reference may find charge density, current, electric and magnetic fields different from what another observer, in another frame of reference, finds”.