Advanced Electromagnetic Waves Exercise 5

May 30, 2006, J. Hirokawa

Submit your report to the room 908 on the 9th floor in the south 3rd building in O-okayama campus by 13:20 on Friday 2 June.

1. Derive the z-components of the electric and magnetic fields produced by a unit electric current I_z in the region I and II, which is scattered by a semi-infinite plane. Both the structure and source are uniform in the z-direction.

