

For: Thursday, March 9, 2006

Remember, you can volunteer to explain any of these at the board. You don't need to work them all out, these are the problems most closely related to the recent lectures.

Problems in Jackson's 3rd edition:

11.13 EM fields in a moving conductor

11.14 Lorentz invariant scalars quadratic in \vec{E} and \vec{B}

11.15 Transformation to a frame with parallel \vec{E} and \vec{B}

11.16 Covariant form of Ohm's Law

11.27 EM fields of a moving electric dipole