

SET 10–DUE 1 APRIL

“Any sufficiently advanced technology is indistinguishable from magic” (Arthur C. Clarke)

- 1) [10 points] Jackson 14.1. You can borrow a lot of the solution from the book and from notes in class, but it is still instructive—for me, the instruction is not to use the Lienard-Wiechart potentials when you can do a Lorentz transformation!
- 2) [10 points] Jackson 14.4. The answers should all look very familiar.
- 3) [20 points] Jackson 14.9, parts a, b, c only.