

Prep guide – The Lienard-Wiechert potentials

Big picture goal – To solve all the things.

1) How do we represent the charge density of a single, possibly-moving point charge?

2) When, if ever, do the Lienard-Wiechert potentials diverge?

3) Make sure you can articulate why it's sufficient to describe what point charges do if we're looking for complete solutions to everything.