

## Time Retarded potentials 1

The top figure shows the z component of the current density in a small region centered at the origin as a function of time. Sketch the time dependence of the z component of the vector potential in Lorenz gauge at two field points, one 40 feet from the origin and one 80 feet away in the same direction. The time scale is in nanoseconds and the speed of light is approximately 1 foot per nanosecond

