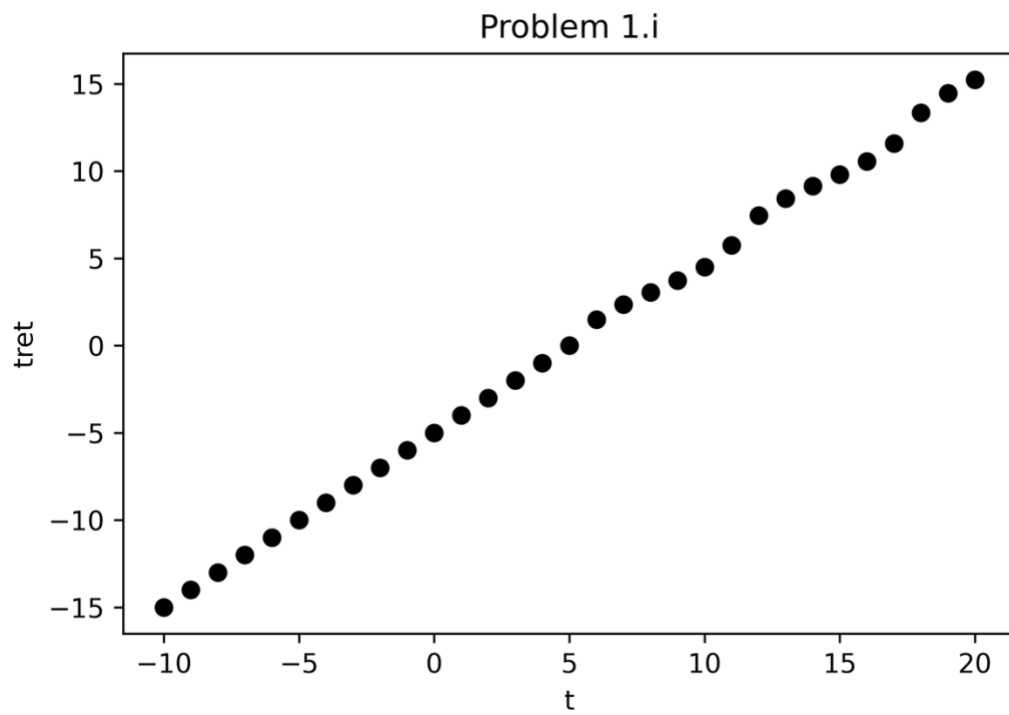


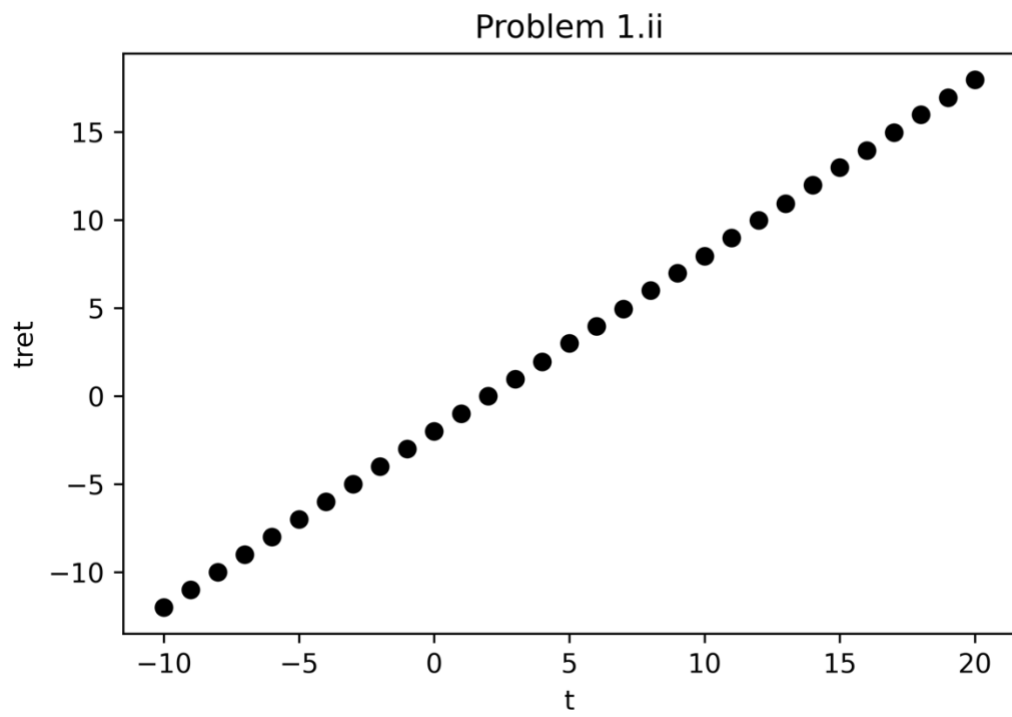
Computational Physics 3
HW 3
Christopher Morris

Problem 1

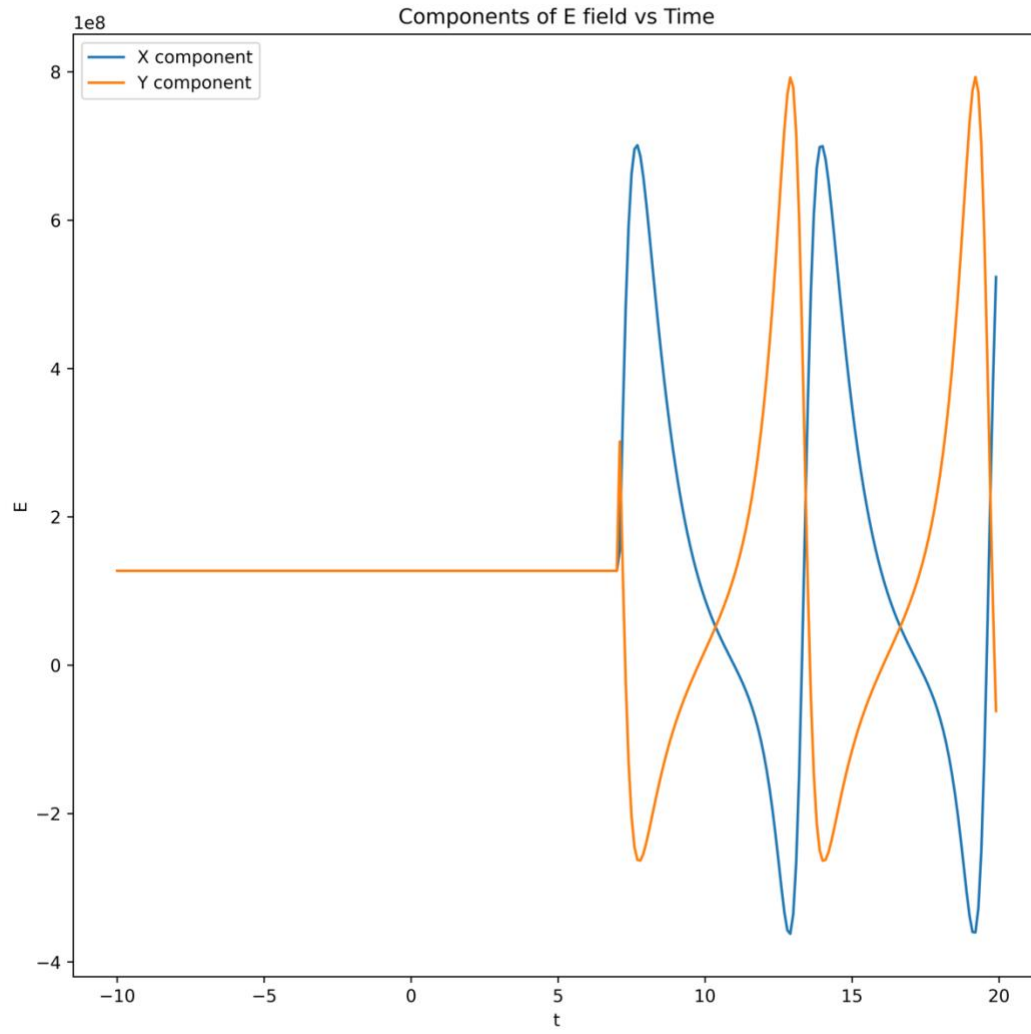
1.i)



1.ii)



Problem 2



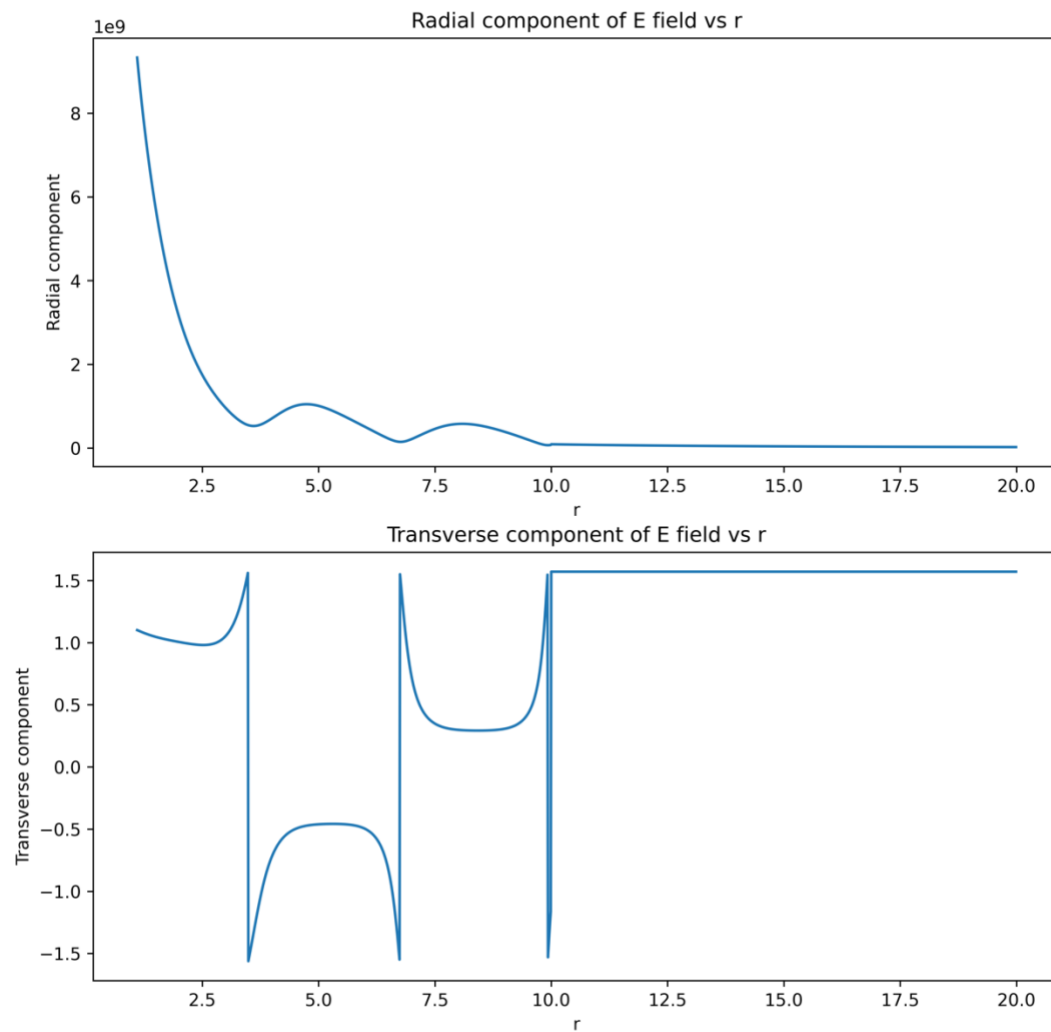
Problem 3

The Radial component of the electric field was calculated as: $\sqrt{E_x^2 + E_y^2}$

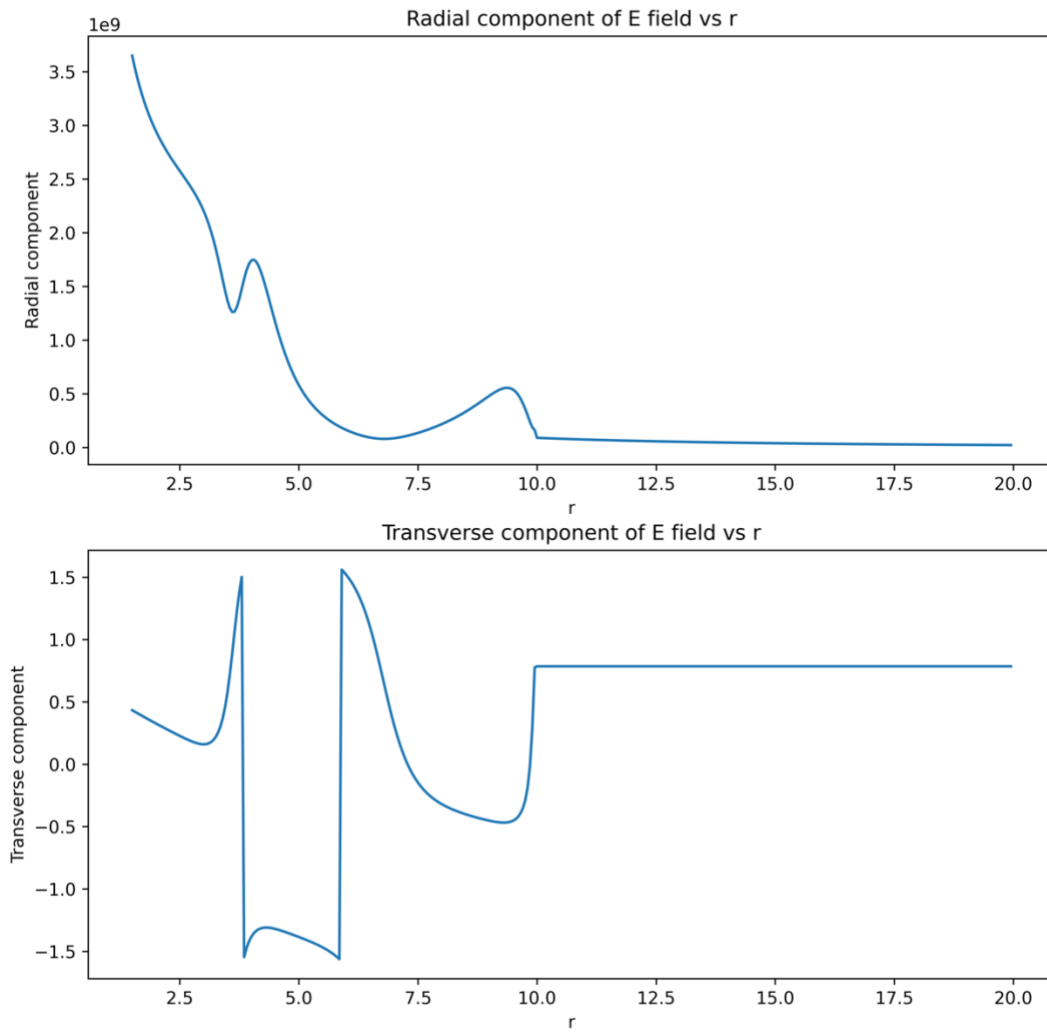
The Tangential component of the electric field was calculated as: $\tan^{-1}(E_y/E_x)$

Where E_x , E_y are the x, y components of the electric field

3.i)



3.ii)



Problem 4

