

Oberlin College Physics 411, Electrodynamics, Fall 2021

Assignment 5

Friday, 7 January 2022

Reading: Within Griffiths chapter 10 on “Potentials”, read section 10.3. Within chapter 11 on “Radiation”, read only subsection 11.2.1.

Also *Notes on Electrodynamics* chapter 7, “Resultant Potentials and Fields”.

Problems: Due Friday, 14 January 2022.

- Griffiths 10.3: *Potentials and gauges*
- Griffiths 10.16: *Potential of a moving point charge*
- Griffiths 11.15: *Headlamp effect*
- Additional problem: *Units in electromagnetism*
(available on course website)