

## Prep guide – Gauges

Big picture goal – To understand gauge freedom generally, and in the specific context of electromagnetic potentials

1) What is a gauge, and what is gauge freedom?

2) How do we define the two named gauges that I claim are common in electromagnetism?

3) Each of the above two gauges is preferred for a different set of circumstances. What are those?

4) What's the general recipe for doing gauge transformations with electromagnetic potentials?