

Prep guide – Intro to waveguides

Big picture goal – To investigate a category of wave solutions that are confined to a small space.

1) What is a waveguide, physically?

2) What do TEM, TE, and TM mean in this context?

3) When we're fitting a trial solution to a parallel plate waveguide, which boundary conditions on \vec{E} and \vec{B} are nontrivial?