

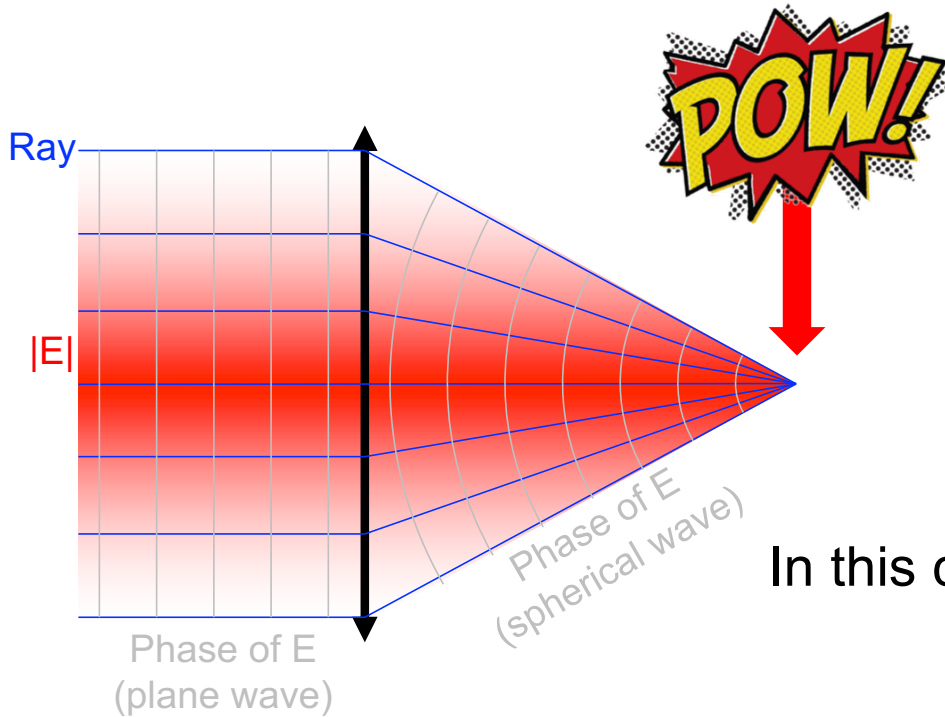
Module 1: Light has shape

Course 2 of *Optical Engineering*: Optical efficiency and resolution

with **Dr. Robert R. McLeod and Dr. Amy C. Sullivan**



Rule #1: Don't blow up the universe



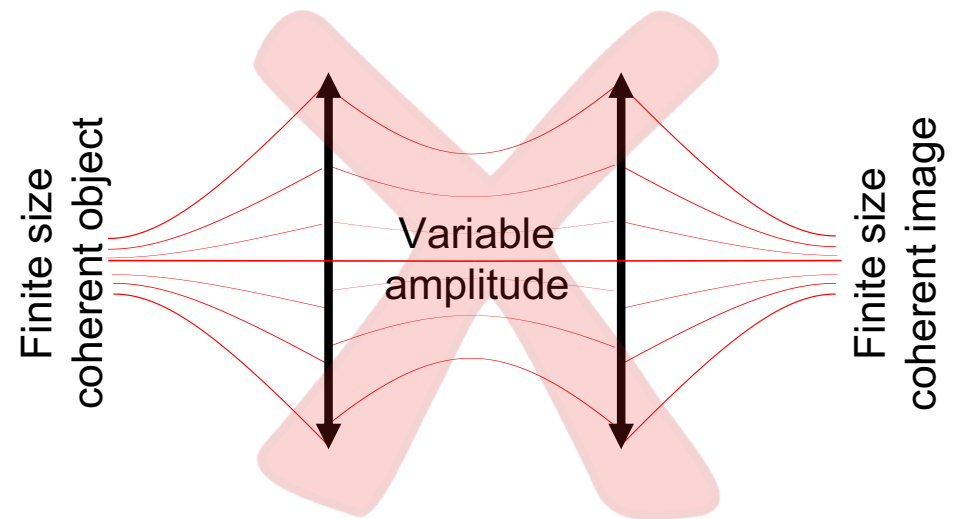
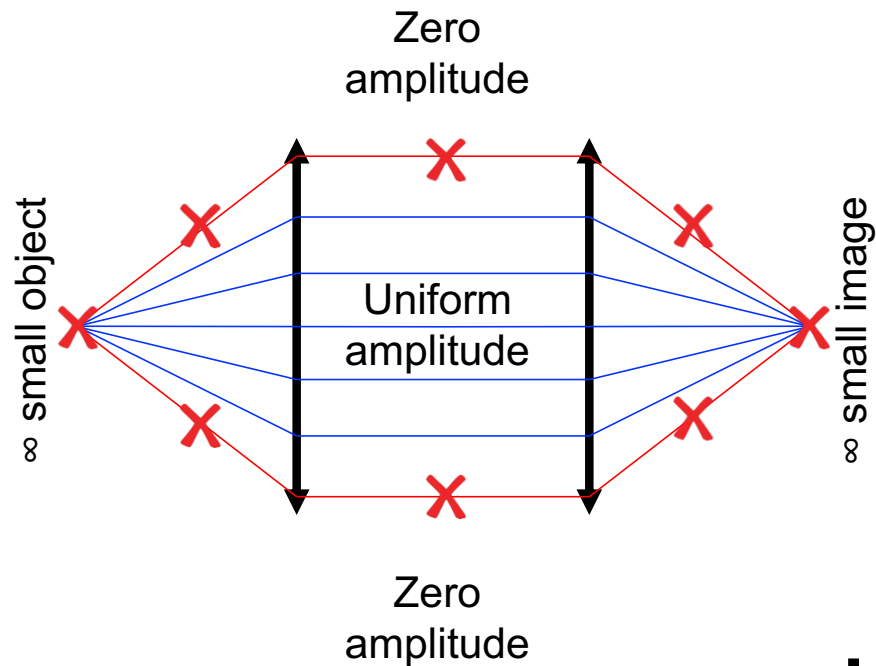
Rays predict ∞ energy density at focus.

Something must be wrong.

In this course, we'll learn that light has a ***shape***.



Geometrical optics is invalid...



...where amplitude varies rapidly.