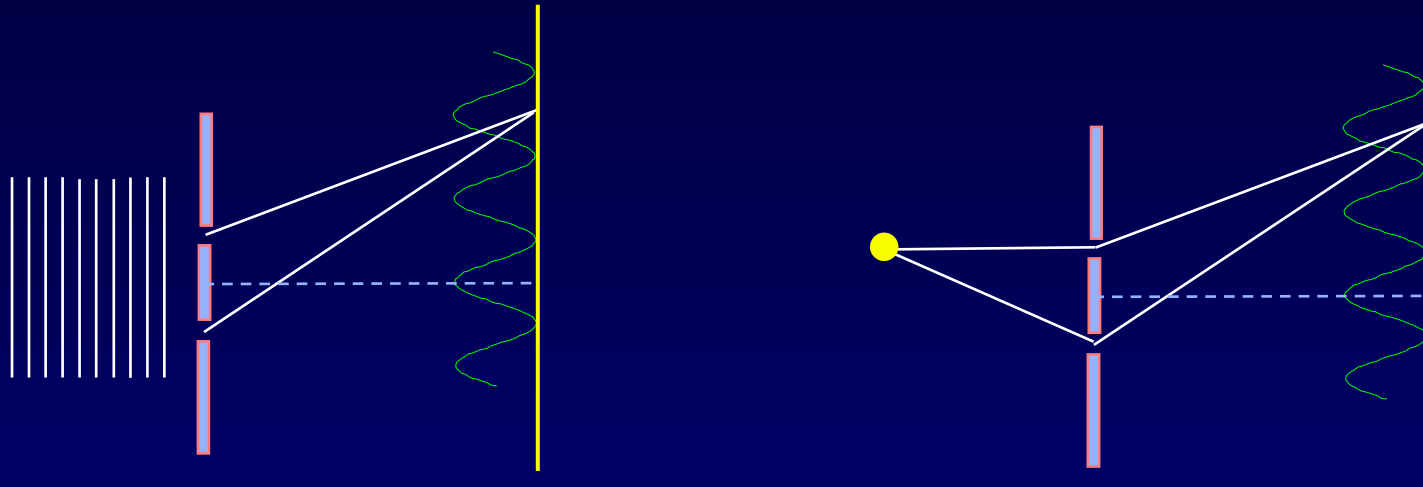# Review of 2-Slit Interference

- Only the phase difference matters.
  Phase difference is due to source phases and/or path difference.

- In a more complicated geometry (see figure on right),
  one must calculate the total path from source to screen.

- If the amplitudes are equal $\Rightarrow$ Use trig identity: $A = 2A_1\cos(\phi/2)$.

- Phasors: Phasors are amplitudes.
  Intensity is the square of the phasor length.