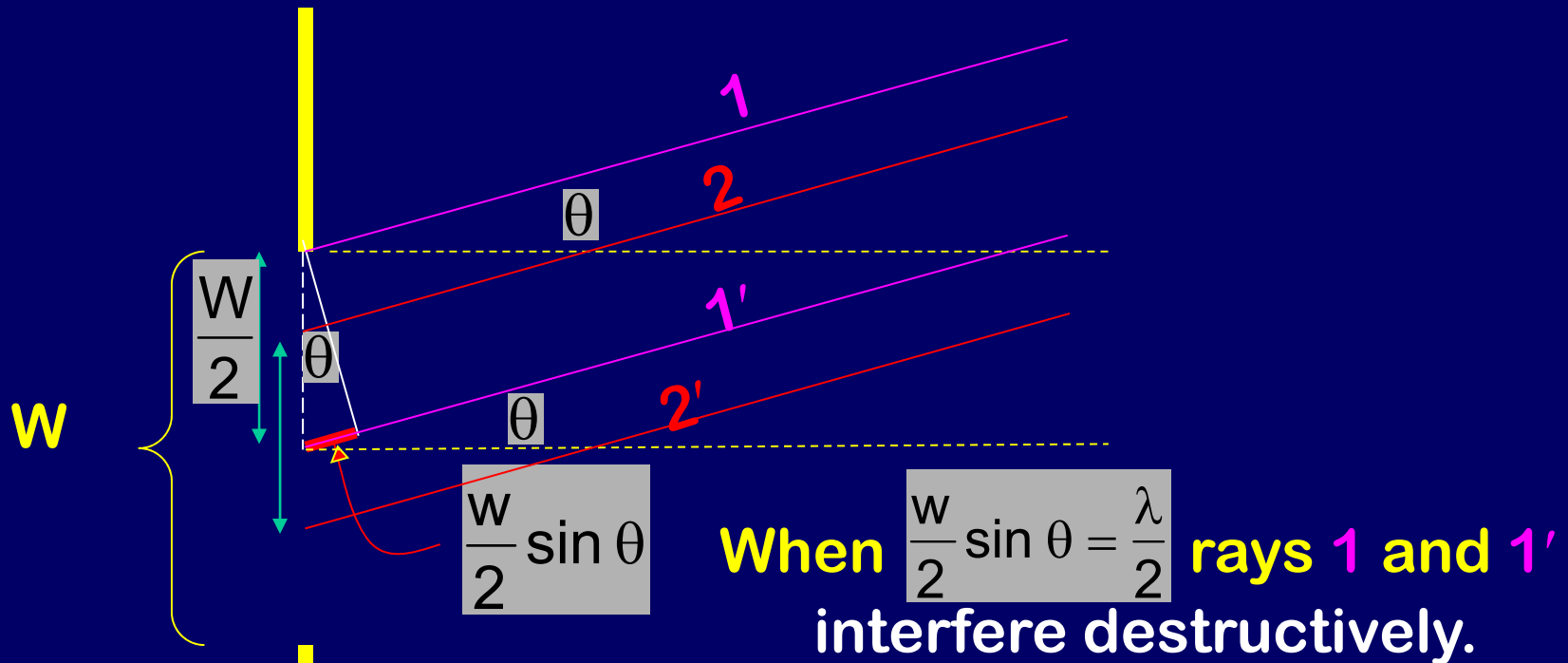
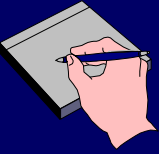


Single Slit Diffraction



Rays 2 and 2' also start $w/2$ apart and have the same path length difference.

Under this condition, every ray originating in top half of slit interferes destructively with the corresponding ray originating in bottom half.

1st minimum at $\sin \theta = \lambda/w$