

Multiple-slit interference *Dynamics first* Equipment

List

- handouts
- white board or large sheet of paper with markers

Special Instructions

- 6 envelopes, each containing:
 - 1 graph of a sinusoidal curve (in a plastic protector), with horizontal axis marked and vertical axis labeled and marked (See the Handouts section in this guide.)
 - 3 transparencies of sinusoidal curves identical to those described above but with only the horizontal axis marked. The sine curves can be highlighted with a permanent marker, one in red, one in blue, and one in green. (See handouts.)
- 6 copies of interference patterns (1 through 5-slits) (See handouts.)