

Harvard Natural Sciences Lecture Demonstrations

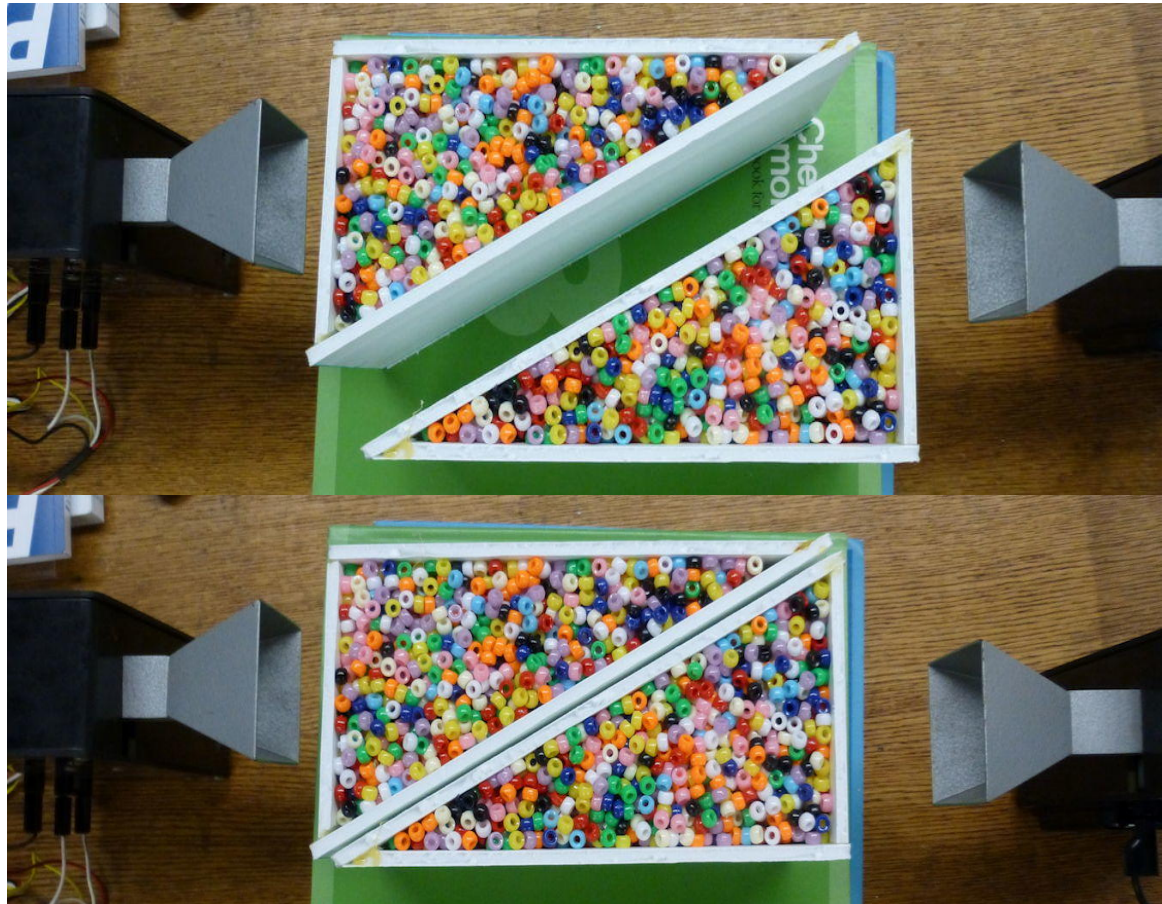
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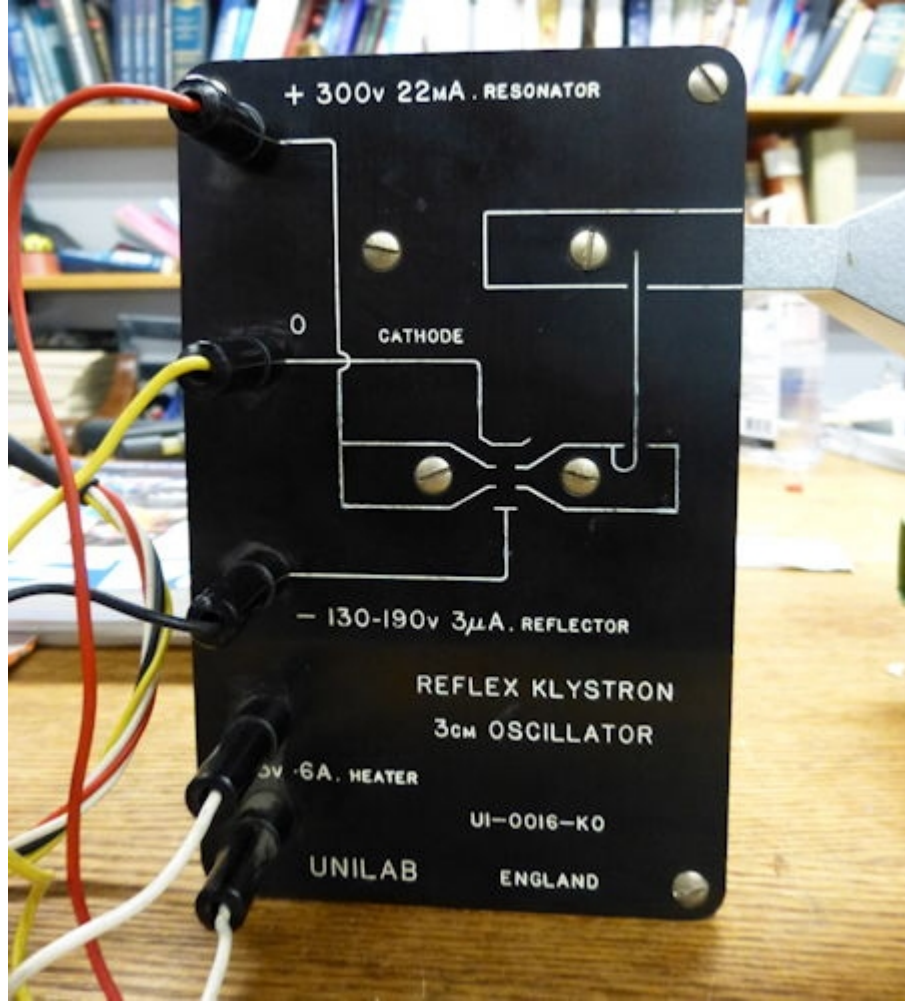
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Microwave Tunneling analog

3 cm microwaves and prisms made of plastic beads demonstrate total internal reflection in one prism, and coupling of the evanescent wave to a second prism. An audio signal corresponds to the one kiloHertz modulation of the microwaves.

The prisms are made of foam core board, cut and hot glued, then filled with small pony beads.







See also: [Quantum Physics and Relativity](#), [Quantum Mechanics](#), [M], [t], [★★]