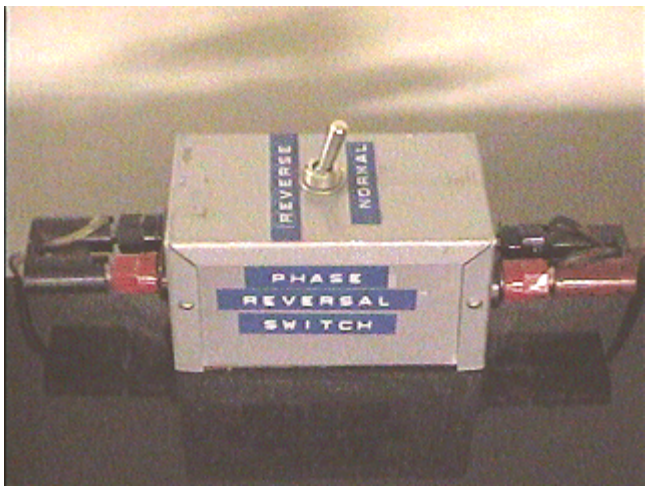
Thursday, 19 June 2014 14:02

H2-27: PHASE REVERSAL BETWEEN STEREO SPEAKEI - OSCILLATOR



Additional Info

ID Code: H2-27

Purpose: Dramatically demonstrate interference between two identical sources.

Description: Two loudspeakers are connected in the monaural mode to the power amplifier. A switch box in the leads of one of the speakers allows reversal of the phase of that speaker.

A nice experiment shows the relation of phase to physical position. Set the speakers to monaural and play an 80 Hz tone into the two speakers, then reverse the phase to reduce the sound to virtually nothing. Uncoil the wire from the back of one speaker and move the speaker 12 or 15 feet across the front of the room; the loud bass tone returns! The waves from the two speakers are no longer out of phase.

Availability: Available

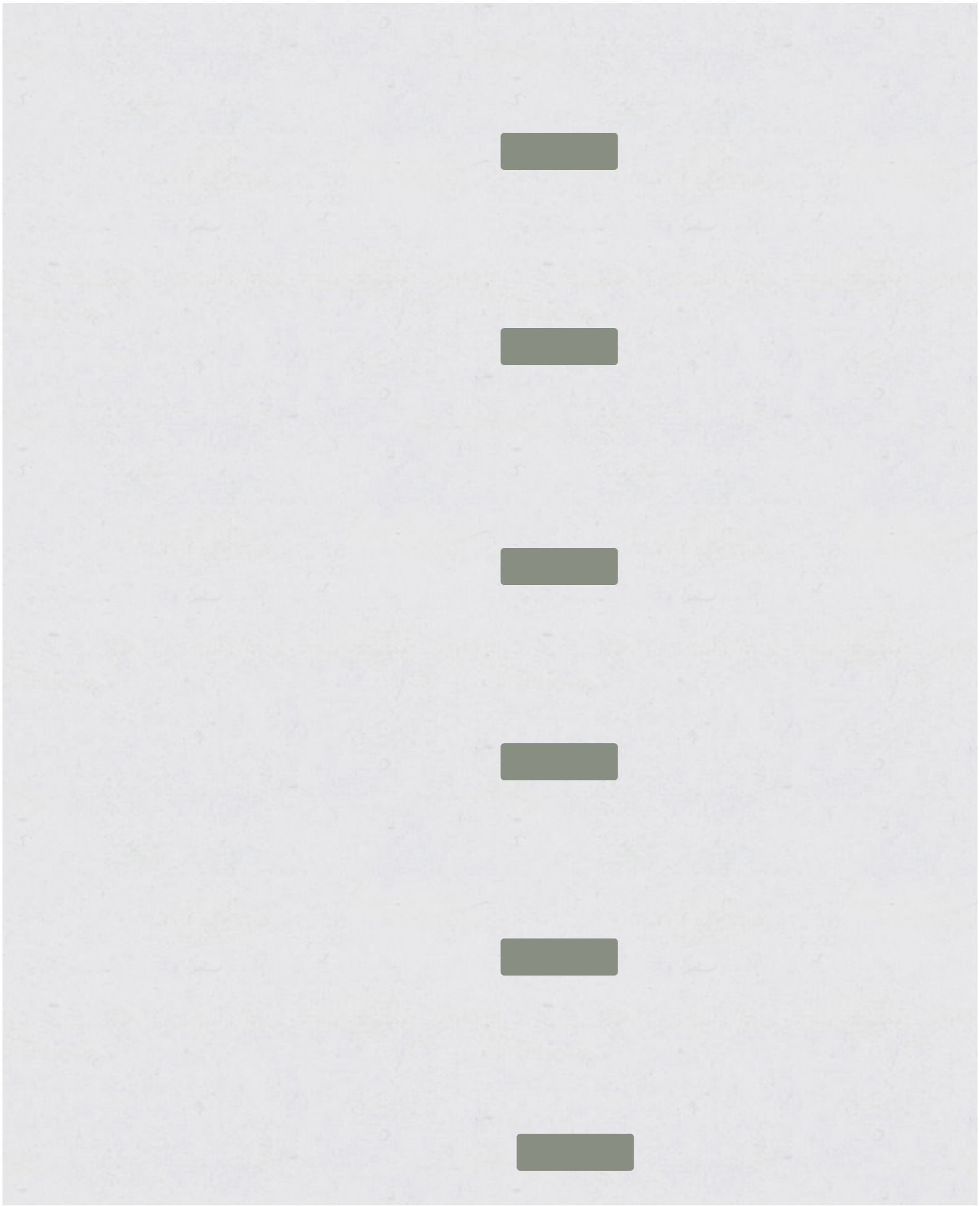
References: REFERENCES: (PIRA unknown.)

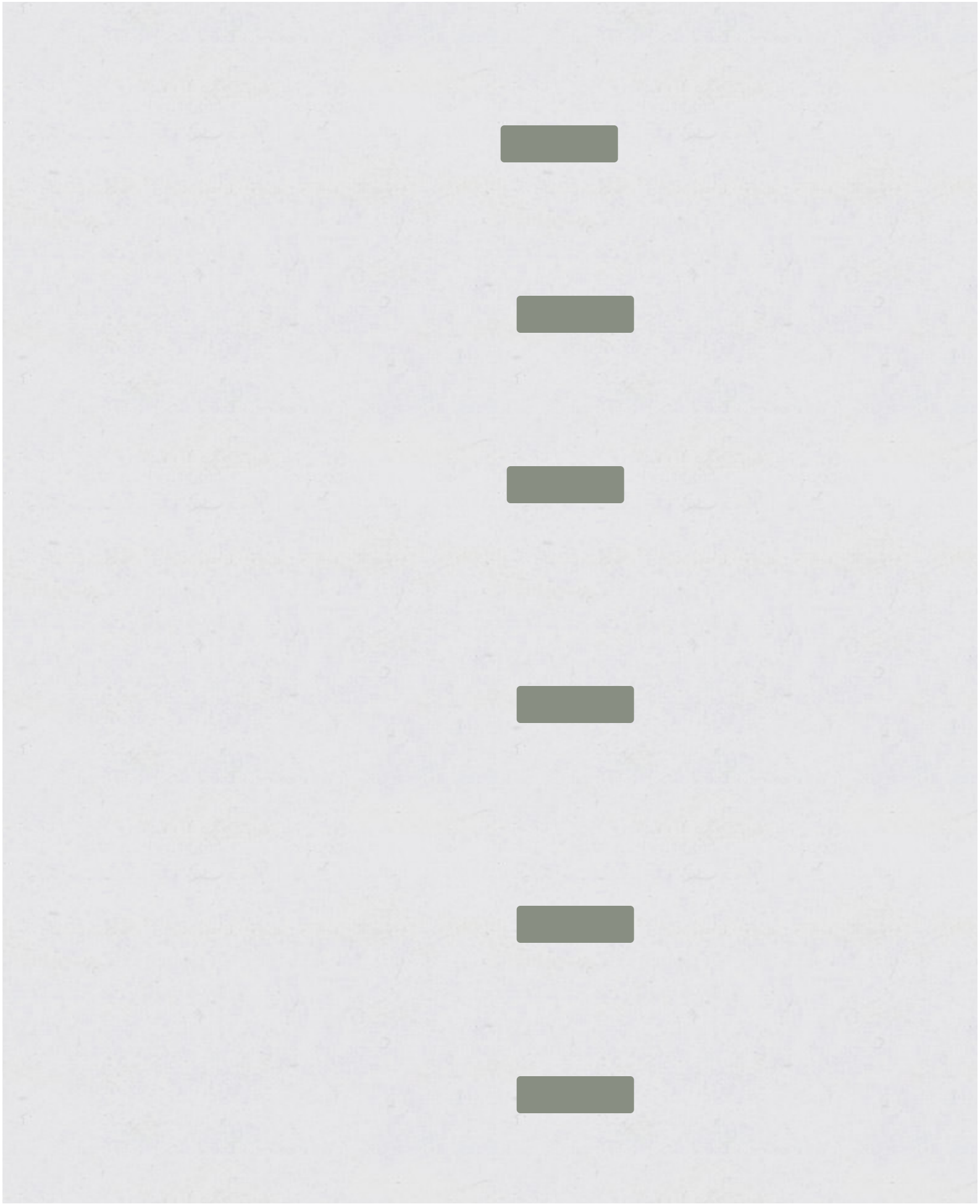
Videos-1: Click to see the action

Published in H2 Wave Properties of Sound

More in this category: « H2-26: PHASE REVERSAL BETWEEN STEREO SPEAKERS H2-28: FOURIER SYNTHESIZER - ADDITION OF WAVES »

back to top





University of Maryland
College Park, MD
20742-4111