Audio Interference

- 3 meters
- Switch

Rosen Audio Amp.

General Radio 310B Audio Osc.
In Spring 1988 U. Lewin used the following:

dist. b/w speakers: \(d = 1.5 \text{ m}\)

freq. of sound: \(f = 3000 \text{ Hz}\)
Acoustic Interference (Standing Waves - Sound)

Picture = 5'

Speakers are raised to prevent reflections

Audio Sound

Amp

Scope

Amp Base
Sound Interference

Equipment

Audio osc. G.R. 1310 B
BOGEN Power Amp.
2 mounted 8" Speakers

Procedure:

Audio osc. is set to 5kHz, and fed to the Bogon Amp. Aux. 1 input was used. The output of the Amp. is fed to both speakers. Speakers are placed on lecture table facing audience, 1.5 meters apart.

Interference of sound waves

Listen with one ear
Phase Speakers
Separate speakers by about 3' distance.
Direct them toward the audience and have them move their heads from side to side listening for the nulls in the sound.