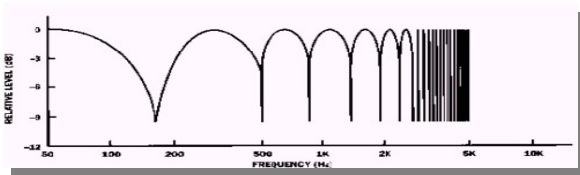
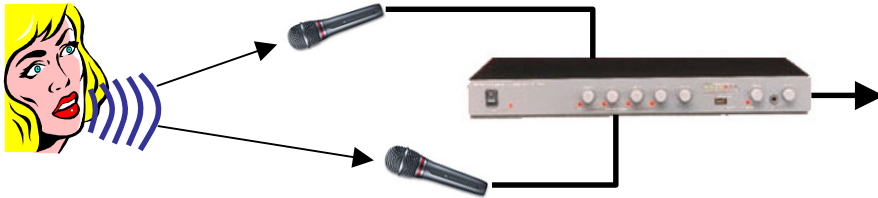
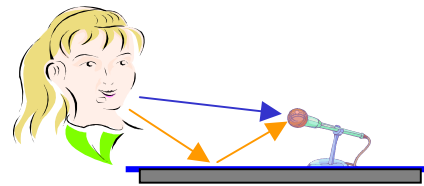


Acoustic Phase Interference

- Interaction between two microphones & same sound source
- Based on distance between mics and talker
- Sometimes called “comb filtering”



- Also can be caused by reflections of sound from tables and other surfaces or boundaries
- Solution:
 - Place microphone closer to sound source
 - Move microphone further from reflective source
 - Use “boundary type” microphone



Boundary Microphone

- Microphone element is close to surface
- Direct and reflected sound arrive at same time
- Polar Pattern is hemispherical
- Typically condenser microphones

