STEREO SOUND PERCEPTION

Phantom sources between and behind the loudspeakers
  The loudspeakers have disappeared
  The listening room is forgotten
  The illusion is believable and satisfying

ACOUSTIC REQUIREMENTS

“Constant” directivity loudspeakers (Dipole, Omni)
  Placement within 3 to 4 feet from walls
  Symmetrical setup relative to walls
  Normally live room (400-600ms RT)

HEARING

What you hear is not the air pressure variation in itself
  but how your brain has interpreted
  the superimposed streams of air pressure variations
  at the eardrums.
  We must remove misleading cues
  from the loudspeaker and room streams
  to perfect the stereo illusion.