

EARS

217

1982-8-28

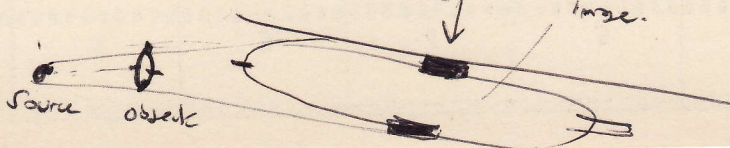
What are external ears for? What have the convolutions evolved to do? There must be some underlying geometric/round-refining/overlaying principle which will be common for all (human?) ears, of whatever gross shape. Do the ears impose some beats etc phenomenon which improves directional information gathering? Should sound microphones have ears? Can people with really good hearing tell the difference between headphones & loudspeaker stereo output?

MAGNIFICATION THROUGH PROJECTION

1982-6-7

Microscopes are avoided to use; one can magnify an image of a slide by projecting from a point source onto a screen - no lenses required (have no optical distortion, or wavelength dependence).

Also, if the screen is tilted at an angle, effectively much greater magnification can be got in one dimension. This must be exploitable (vertical magnification in one direction) image.



1982-4-22

POWER TRANSMISSION

There may be better alternatives to long-distance power transmission by electric lines. In particular, pressurized gas or air lines may be more economic. Bulk movement of air may not be necessary - (there may be other ways (piezo effects?) of utilizing a pressure thru air-driving machines).