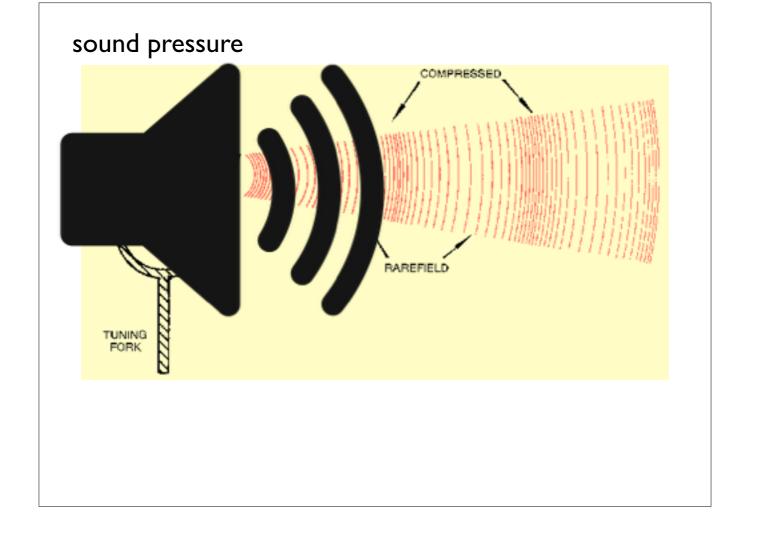
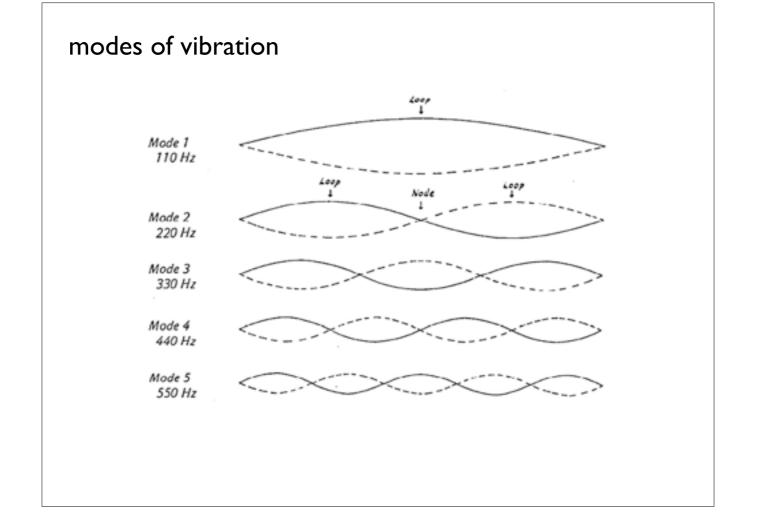


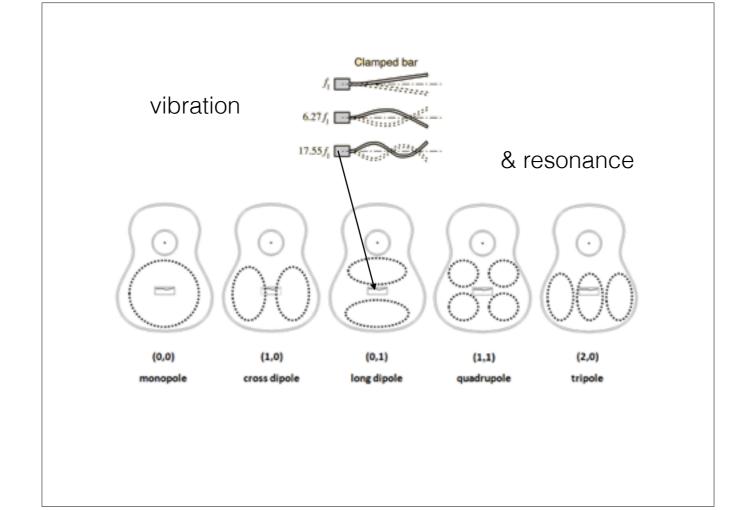
sound wave propagation eve propagation

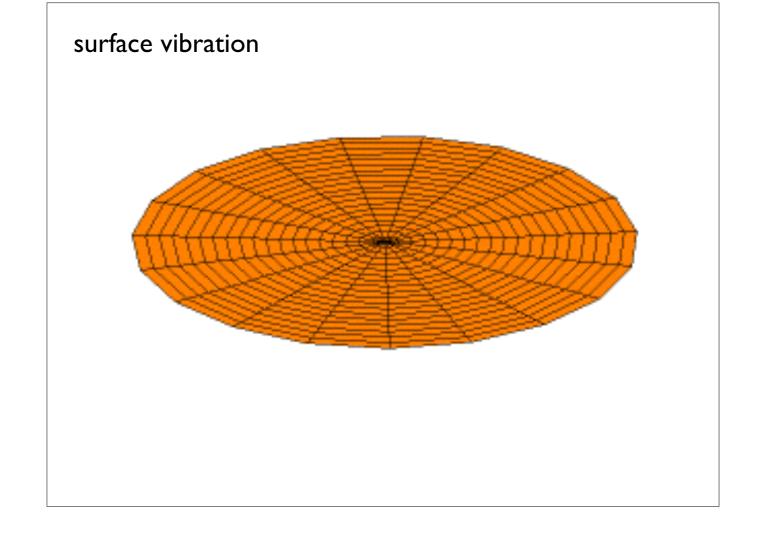
sound pressure RAREFIELD TUNING FORK

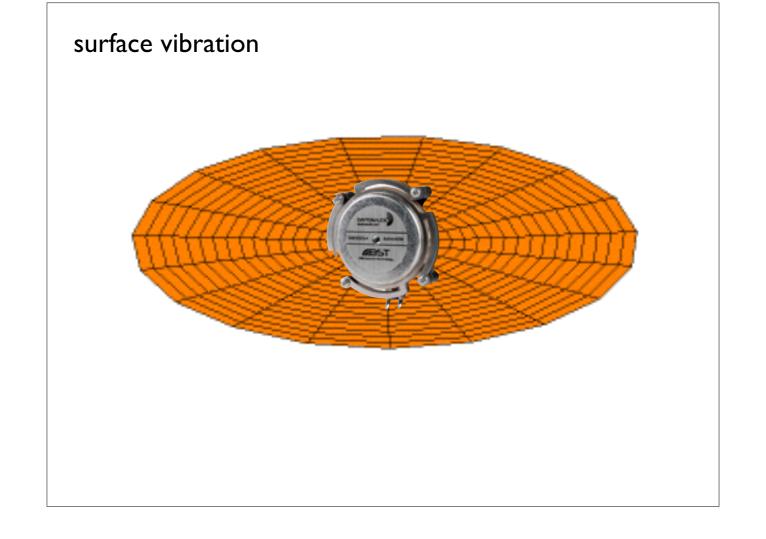


sound pressure Cone Suspension Support Chassis Permanent Magnet Moving Voice Coil Sound Wave Movement Electrical Leads Input Voltage Signal









so... back to sound pressure RAREFIELD TUNING FORK

reflections

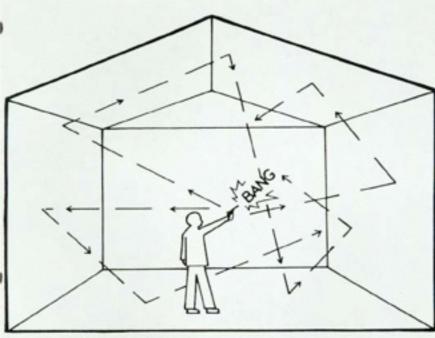
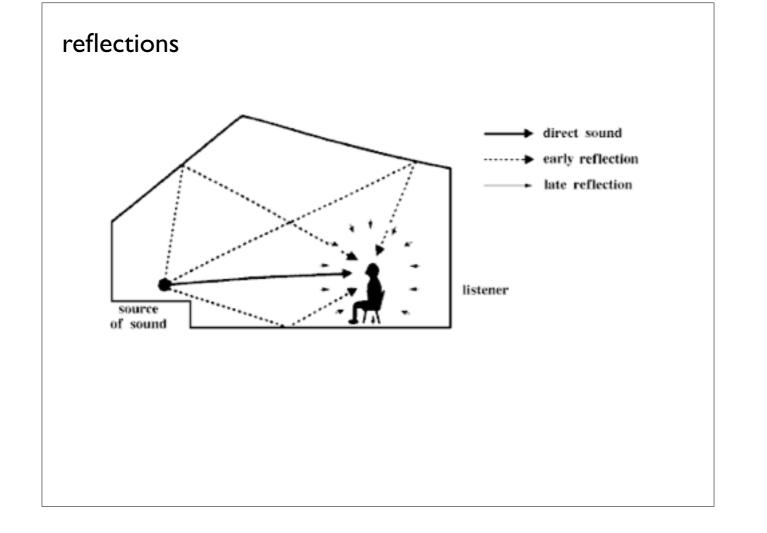
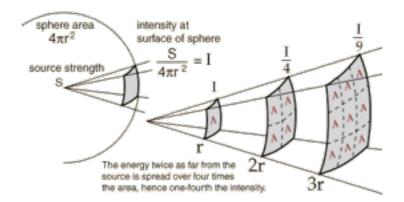


Fig 10 Sound reflects off all hard surfaces and will carry on reflecting until it is eventually absorbed.

sound wave propagation (is spherical)



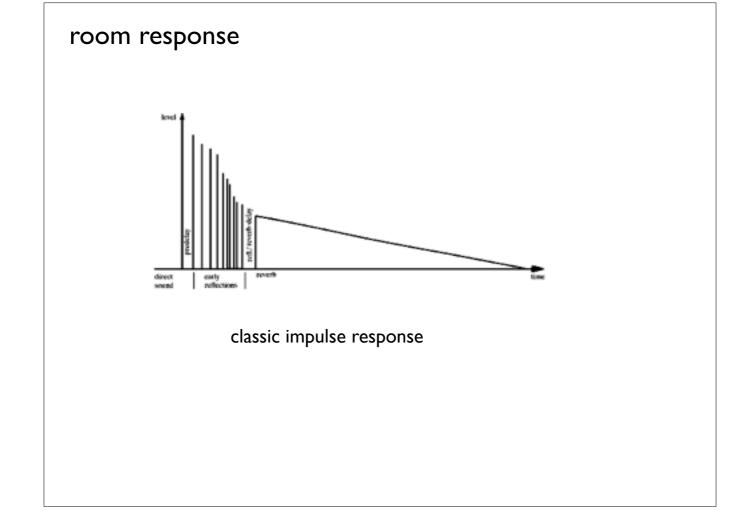
distance attenuation

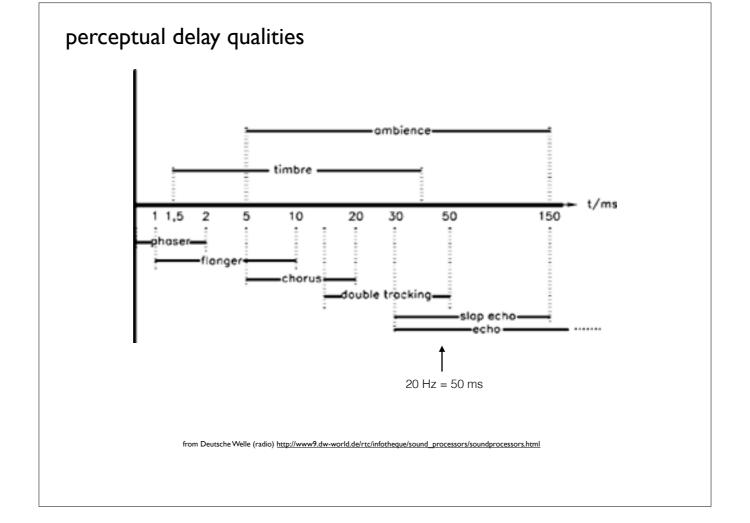


$$a = 1 / r$$

I = sound intensity
P = sound pressure (amplitude)

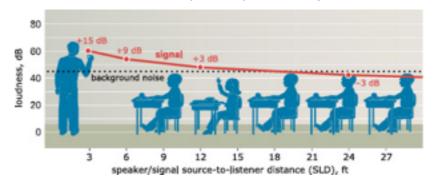
reflections

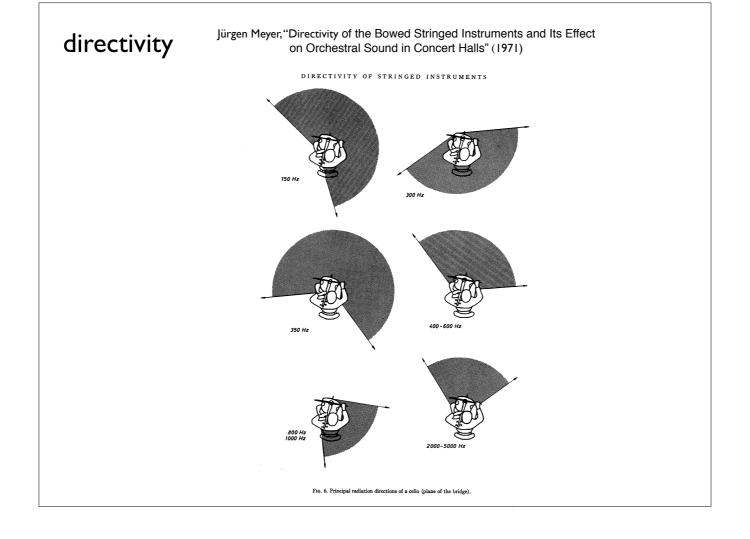


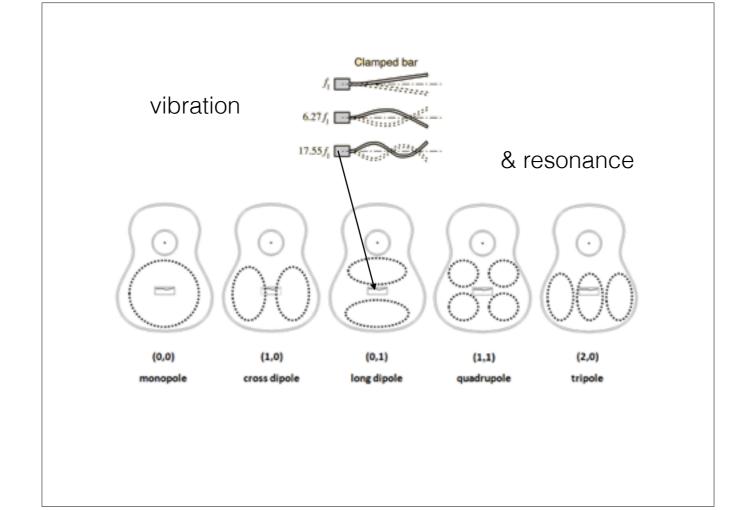


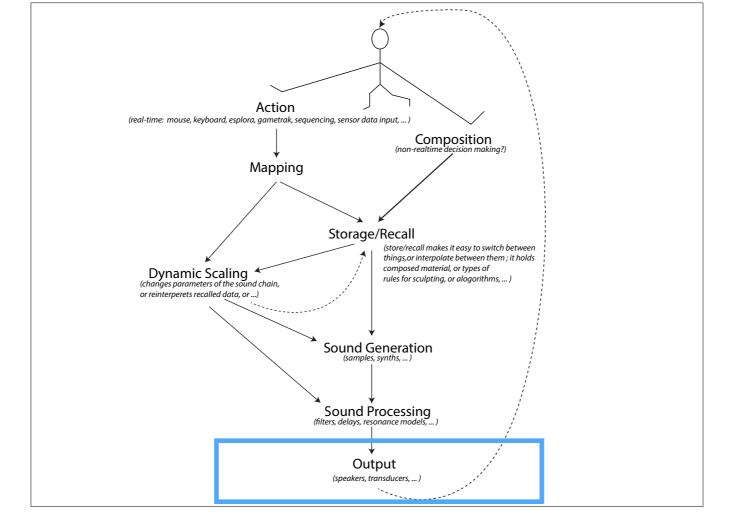
distance

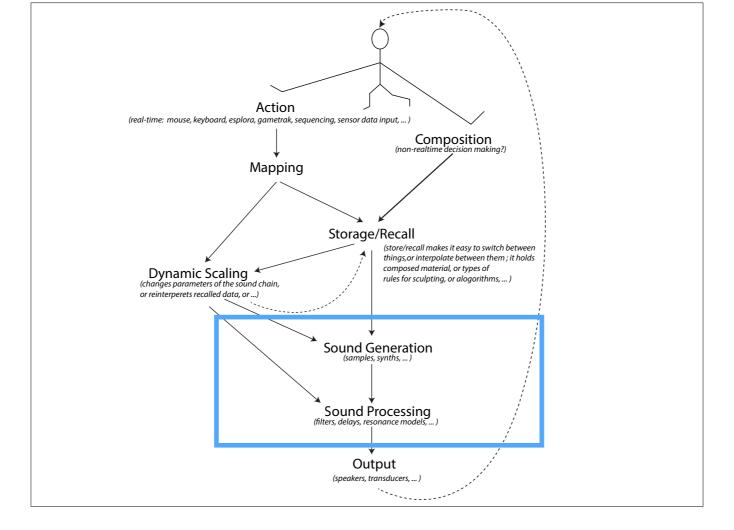


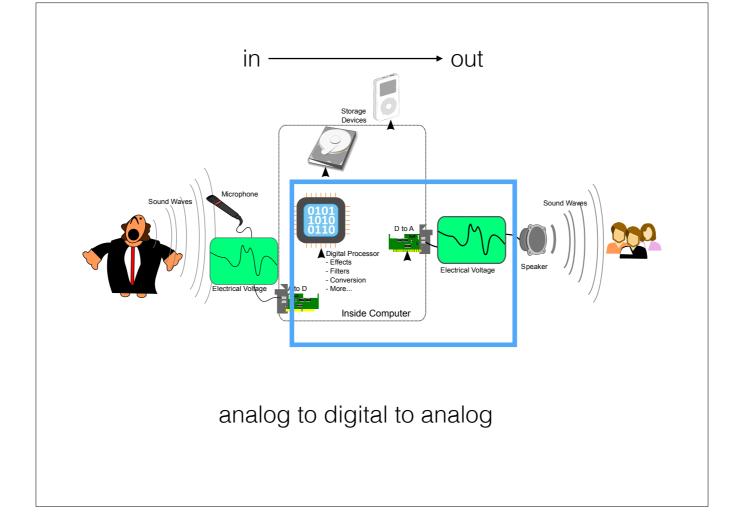


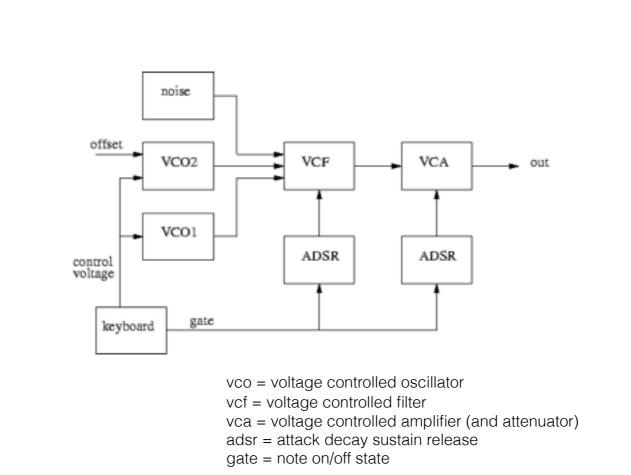


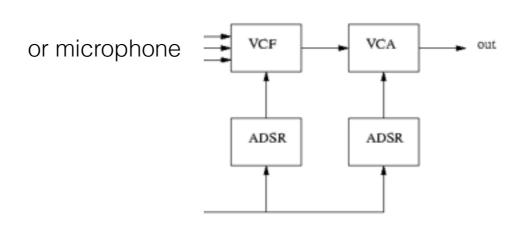












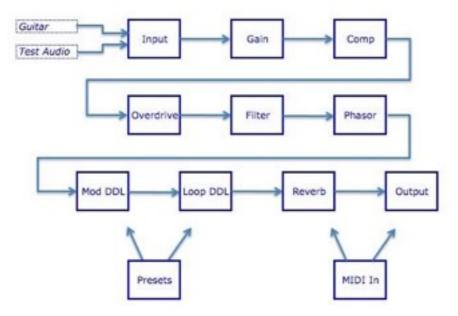
vco = voltage controlled oscillator

vcf = voltage controlled filter

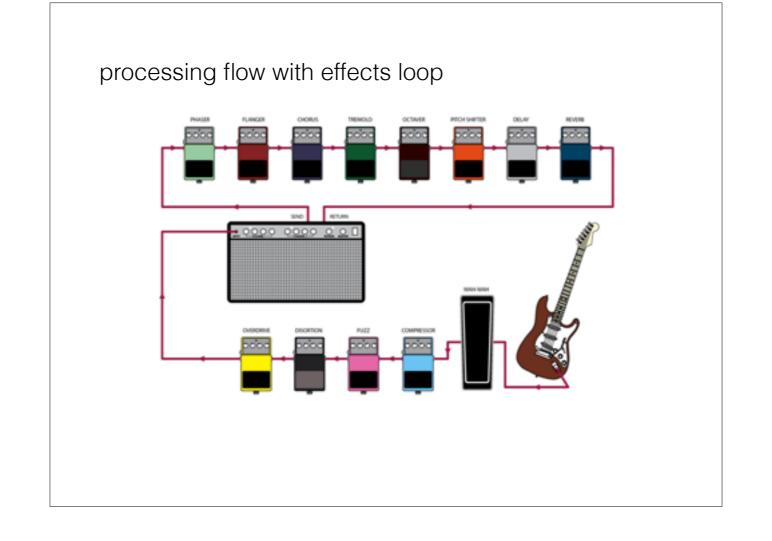
vca = voltage controlled amplifier (and attenuator)

adsr = attack decay sustain release gate = note on/off state

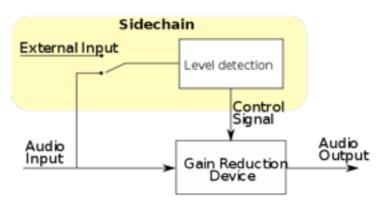
linear processing flow



remember every change in sequence sounds different!

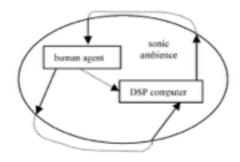


using signal analysis to control processing



side chain

using signal analysis to control processing



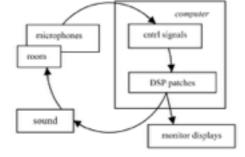


Figure 3. Triangular recursive ecosystemic connection.

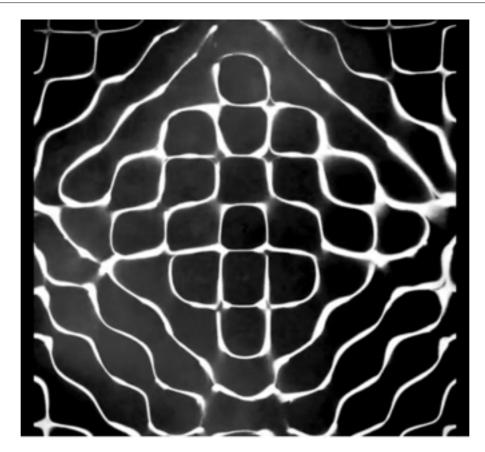
Figure 4. Basic design of the Audible Eco-Systemic Interface.

Agostino Di Scipio: "Sound is the interface"



Zimoun: 64 ventilators, 98m² polyethyleen foil 0.08mm, 2015

https://vimeo.com/126050589



Meara O'Reilly: https://vimeo.com/53453906



Michael Vorfeld: https://vimeo.com/3245278