TIME DELAY SCALES

	SINGLE	MULTIPLE	FEEDBACK
Micro Level:			
065 msec	pinna reflections/high freq. colouration interaural time differences sound source localization		
0-25 msec	phasing, comb filter timbral colouration	virtual p models a	itch added a resonator
Meso Level:			
50-100 msec	early reflection (80 m spatial image shift	is) reverber spatial in volume o	ration mpression of space
Macro Level:			
> 100 msec	echo, repetition rhythmic effect	slap ech multiple	o repetitions

very long structural recurrence cyclic repetition

Notes:

- boundaries between these various effects are fluid
- sounds with sharper attacks are more likely to be heard as repetitions, rather than fused wholes
- reflections in an actual space are highly frequency dependent; audio delays may not be
- acoustic reflections inherently lose energy; audio ones may not
- audio delays require a storage medium (e.g. tape, memory)
- audio feedback creates the phenomenon of multiple delays, but may be equally spaced
- impulse reverb (realized through convolution) incorporates both the spectral and temporal aspects of reverberation