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Room Acoustic treatment,

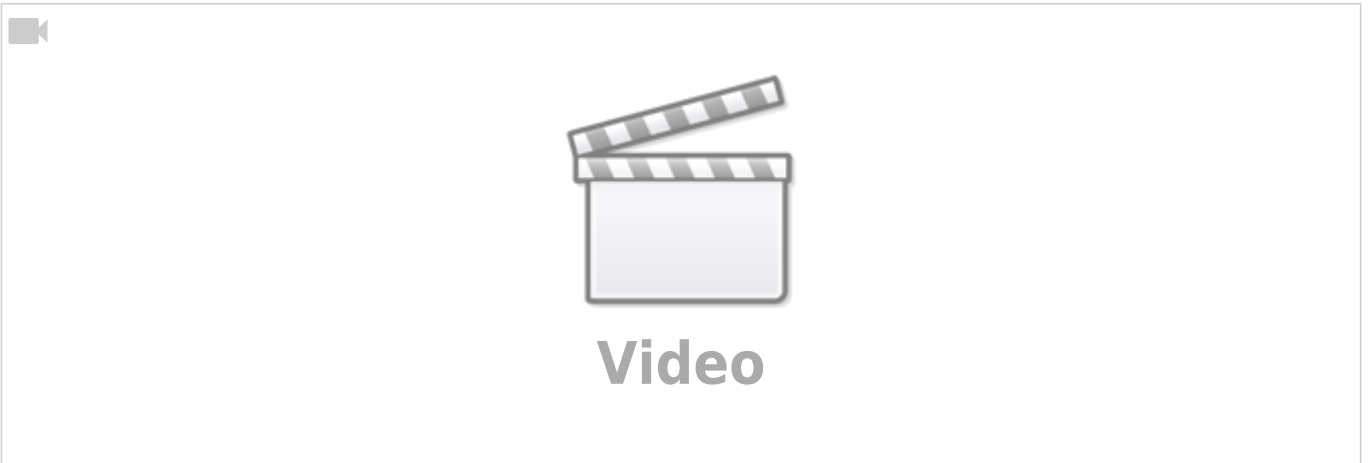
가 가

-
-

()

-
- RT60
-

. 1 가 2 , 3



DSP

가

1. RT60,

RT60

2. DSP

SoundID Reference IK

multimedia ARC3, Dirac

가 .

GLM

DSP

가

, DAC

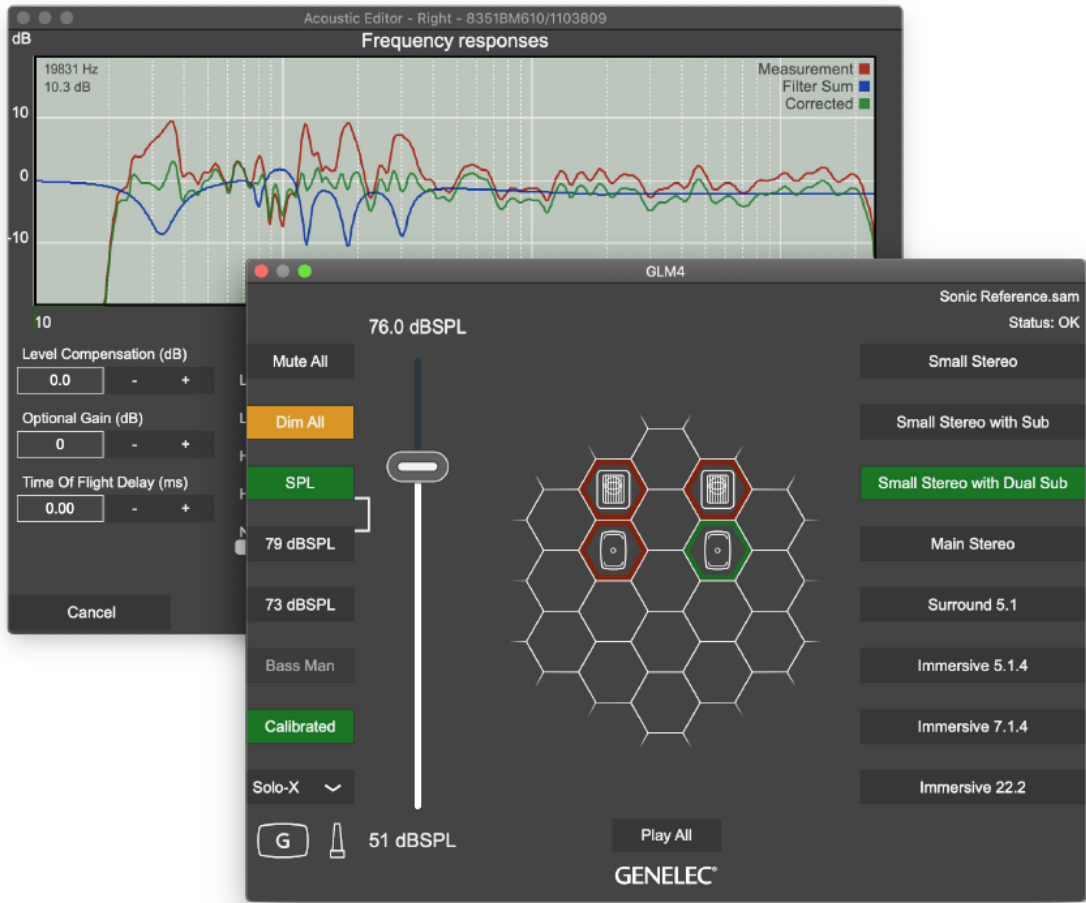
DSP

가

가 .



ADI-2, Room EQ

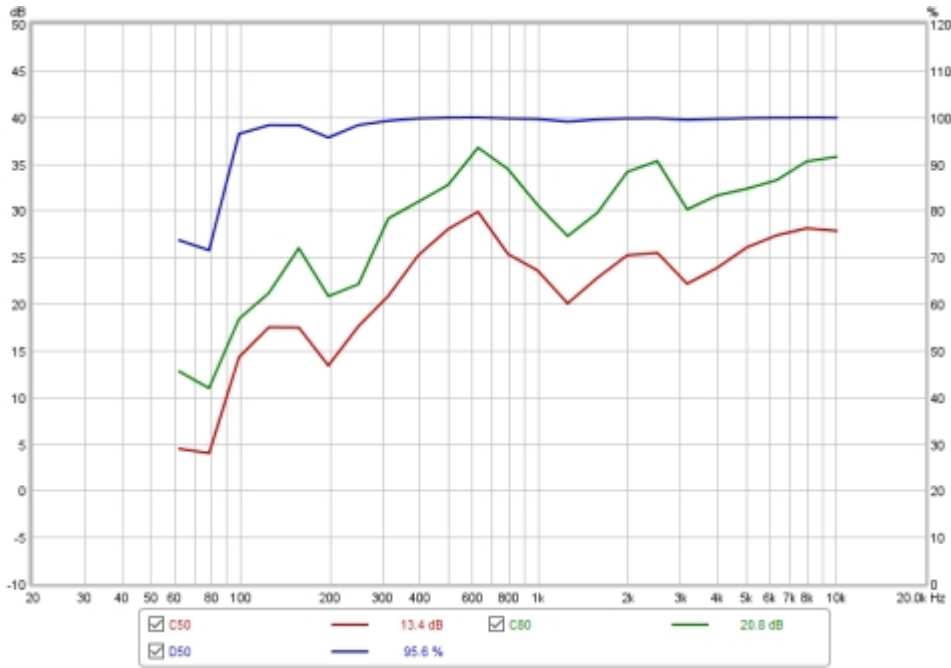


Genelec GLM

...

(Clarity)

가



- C50 : Clarity at 50ms, 50ms (dB) . C50 가
- C80 : Clarity at 80ms, 80ms (dB) . C80 가
- D50 : Definition at 50ms, 50ms (%)

...

Room modes,

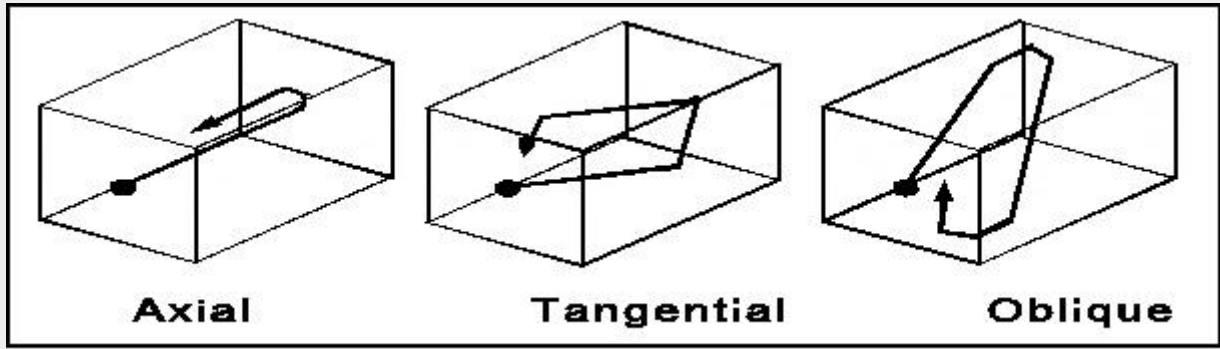
Room

X =

가

가

, 가



...

RT60

60dB

RT60

(Reverberation Time)

가

가 60dB

RT60

RT60

RT60

가

가

RT60

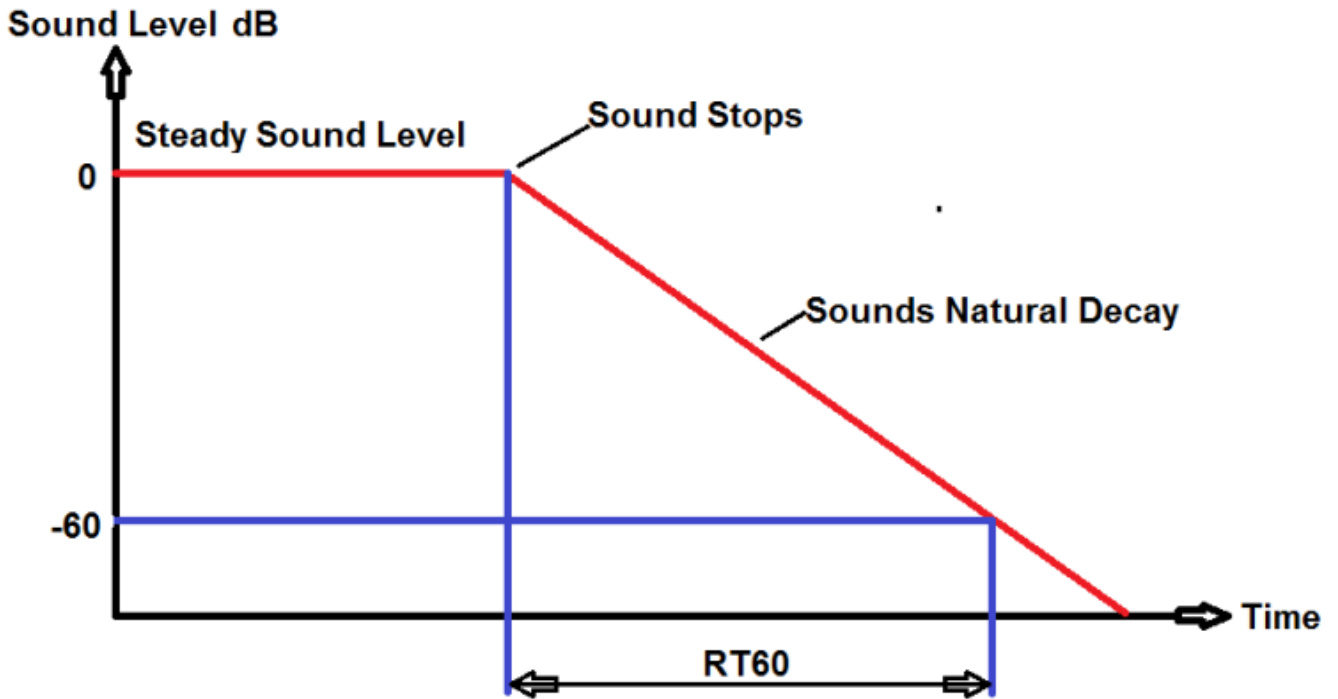
RT60

, 60dB

가

RT60

RT60



Room	RT60 (seconds)
Good classroom	0.6
Echoey classroom	1.2
Underground concrete car garage	3-4

...

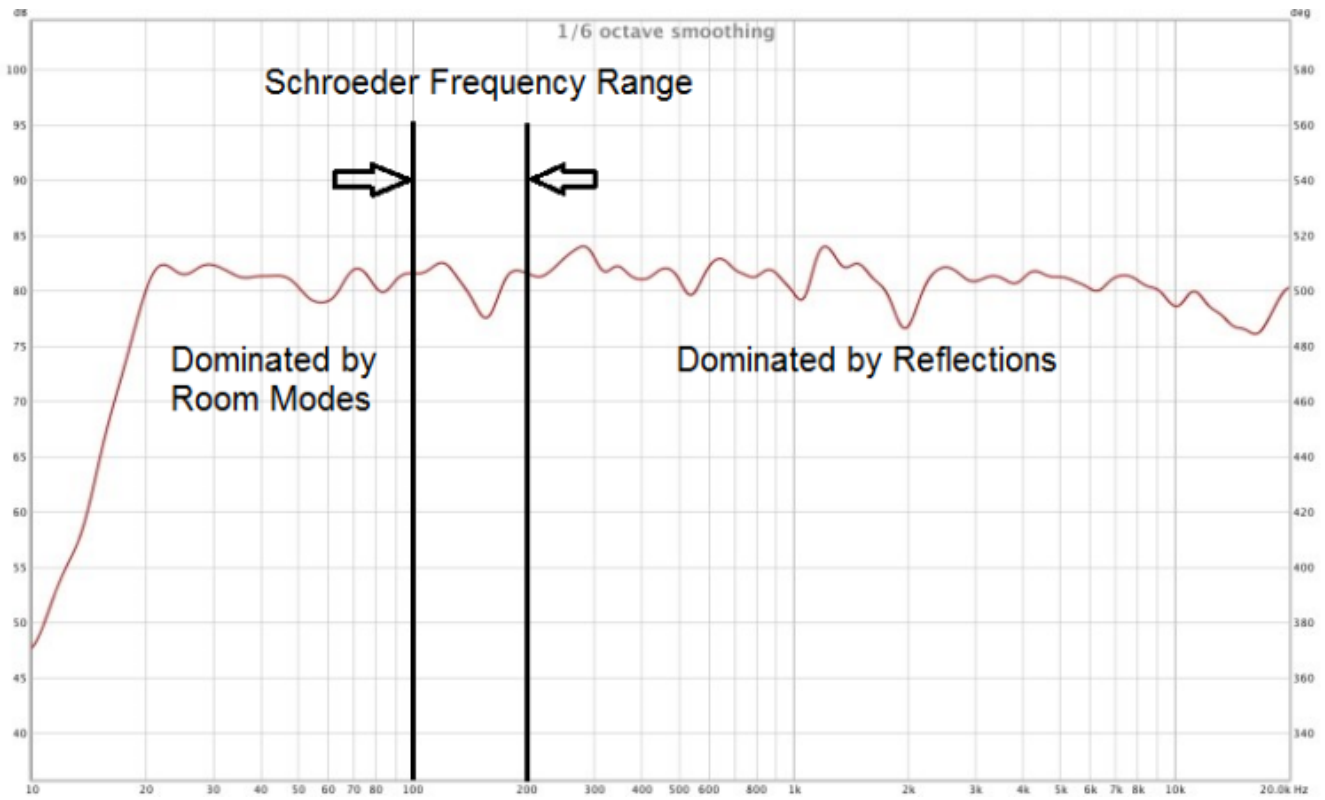
Shroeder frequency

V

RT60,

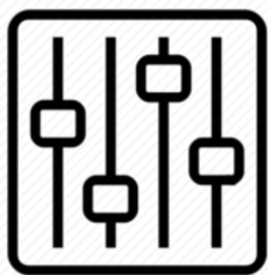
$$f_{shroeder} = 2000 \sqrt{\frac{RT60}{V}}$$

- 가
- 가



Reference

- https://en.wikipedia.org/wiki/Room_acoustics



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