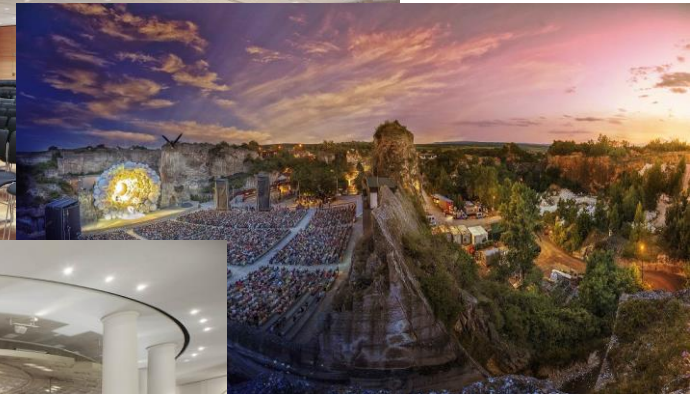


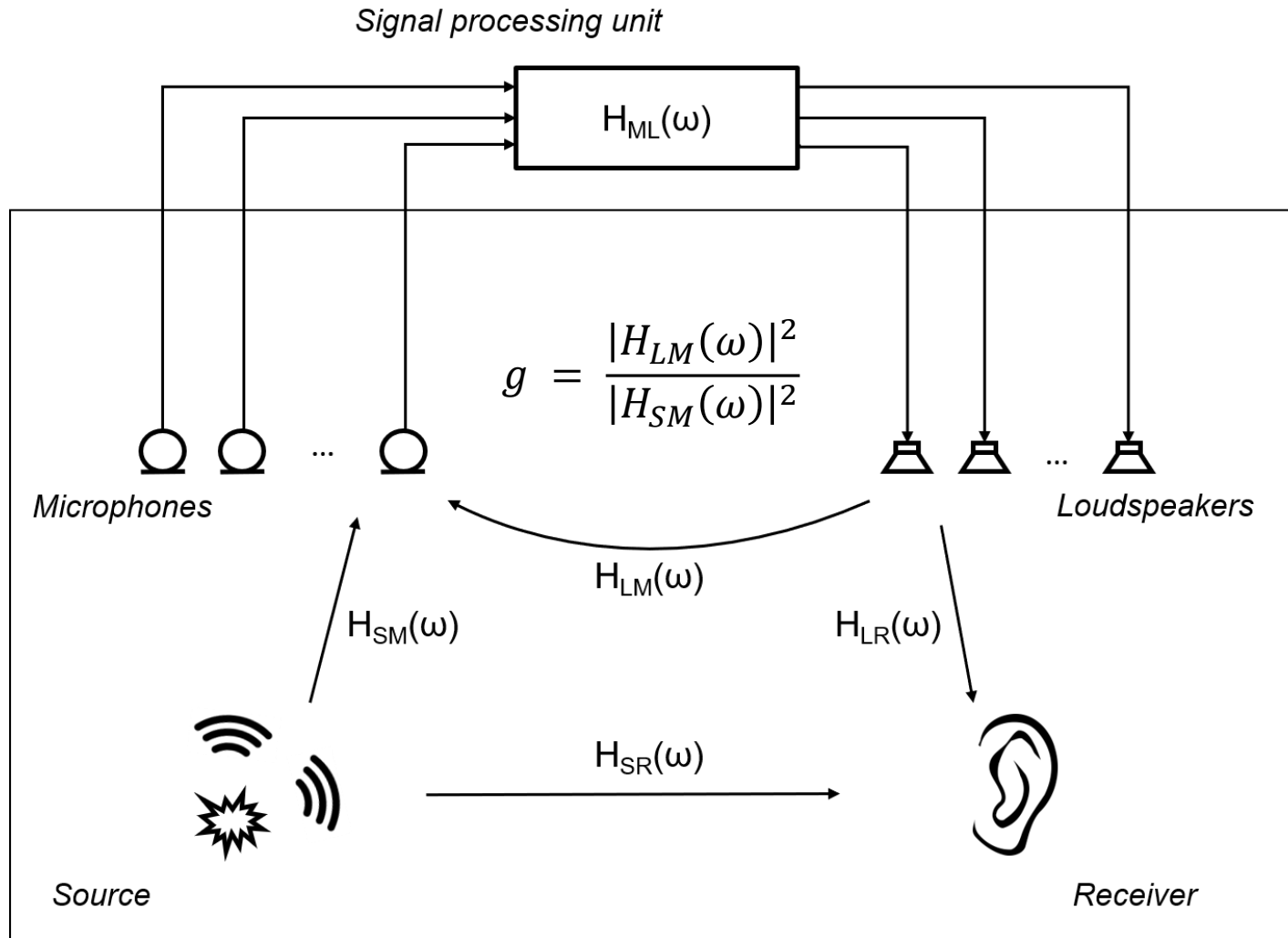
Working with room acoustics as a sound engineer using active acoustics

Authors:

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- Active Acoustics, Acoustic enhancement, Assisted reverberation
 - Since 1950s
 - Increase in installed systems over last 10 years
 - Reverberation time can be set to your liking
- Can we „work“ with the room acoustics?

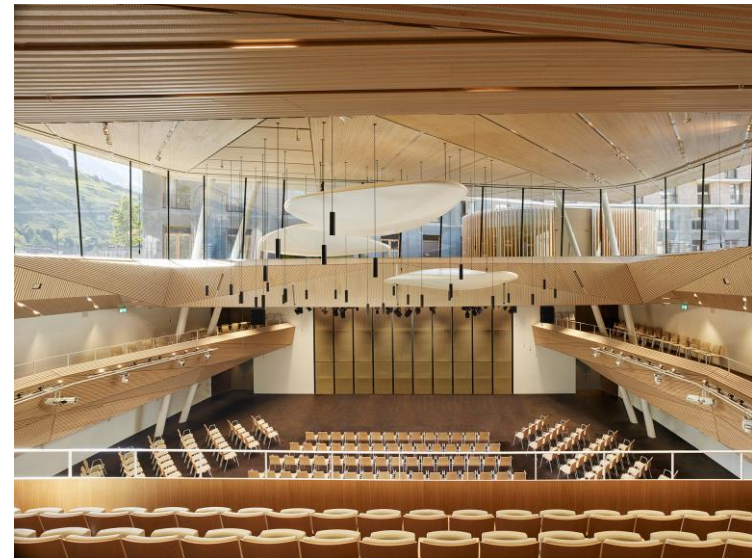


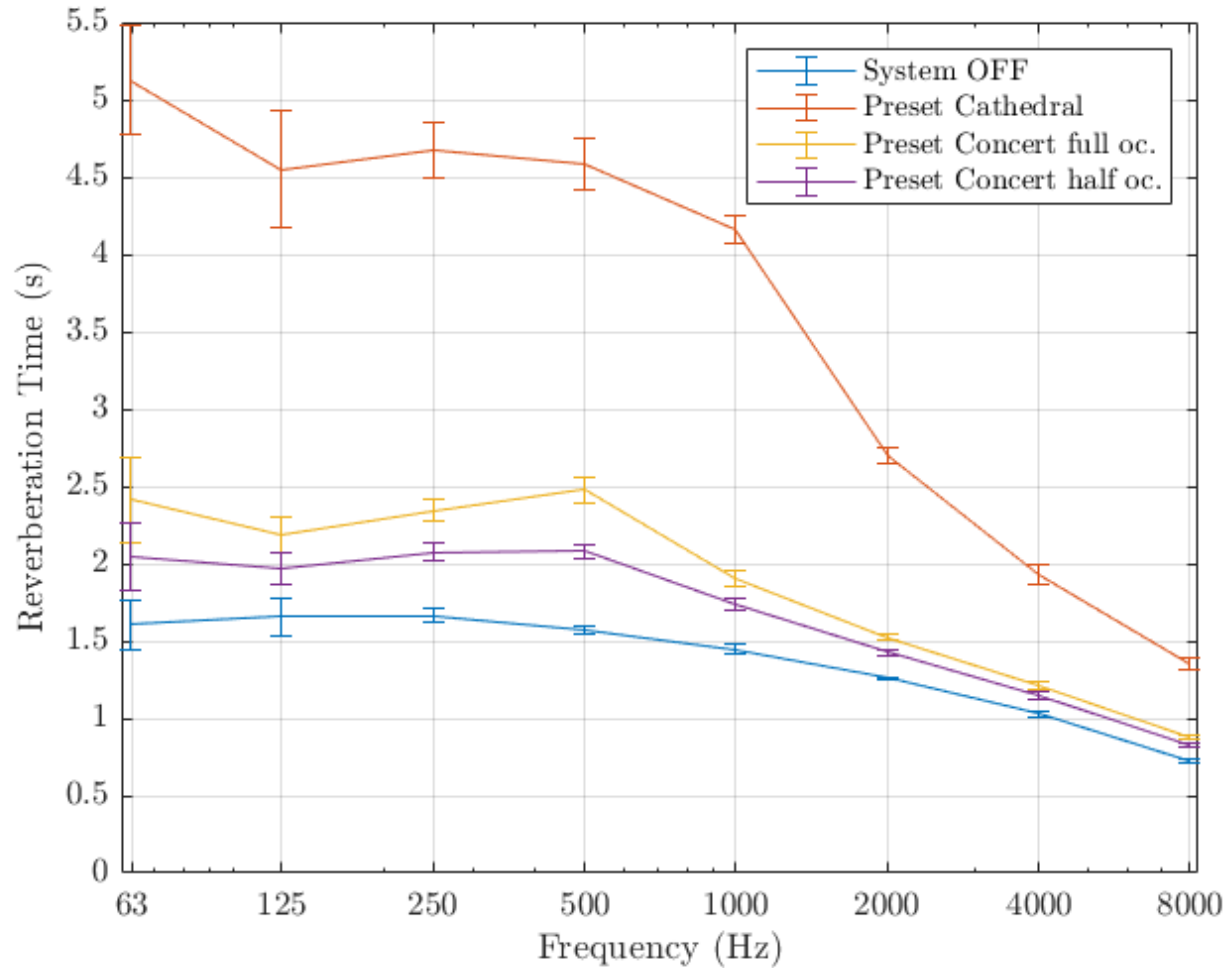


after Svensson, 1994

- Andermatt Concert Hall, Switzerland
 - Concert Hall and Multi-purpose hall
 - Seats: 400-700
 - Volume: 5.000 m³
 - Shoebox with balcony
 - LS/Mics: 72/32
 - Acoustic Design: Kahle Acoustics

Installed system: Amadeus Active
Acoustics (Hybrid approach)



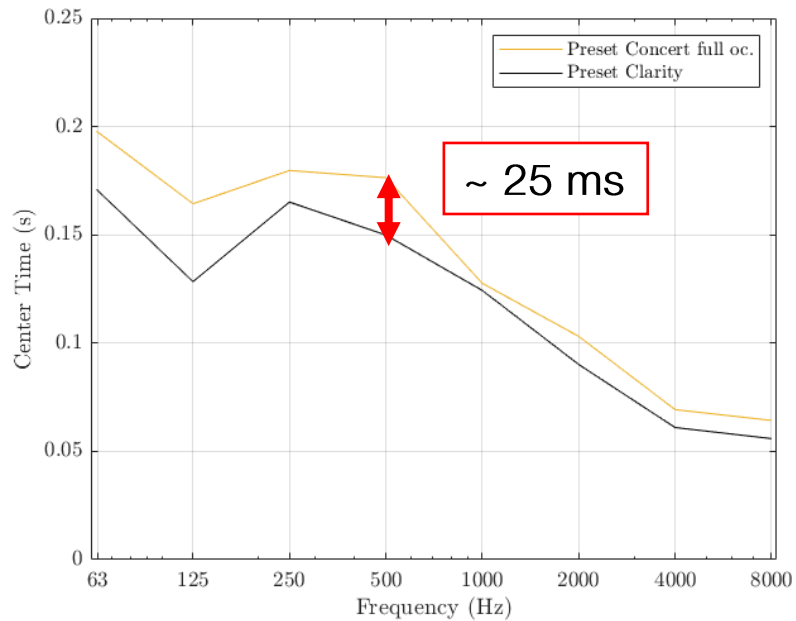




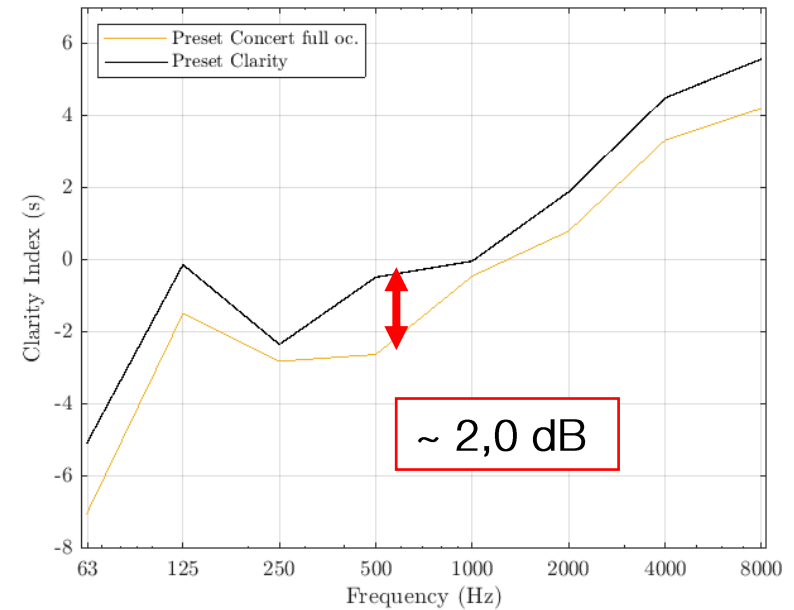




Center Time [s]



C80 [dB]



JND Center time: ~ 10 ms
JND C80: ~ 1 dB

- Working the room acoustics of a hall in real-time is fun!
- Active Acoustic systems can tune clarity independently of reverberation time
- kaiser@rohde.at
- Amadeus Active Acoustics, <https://www.facebook.com/AmadeusActiveAcoustics>

