

Welcome to aural demonstration using sound field simulator!

[Mathematics and physics for leading edge acoustics]

SAKAMOTO LAB.

Advanced Mobility Research Center

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Applied Acoustic Engineering

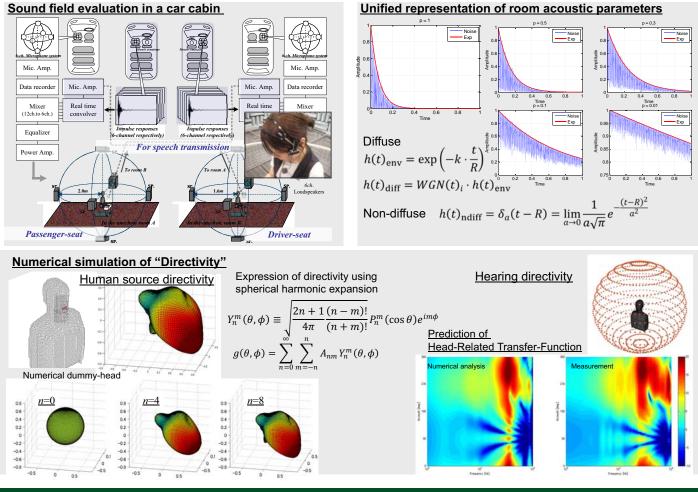
Department of Architecture, Graduate school of Engineering

-Toward a better sound environment-Mathematics and physics for leading edge acoustics

"Sound" is important for *our quality of life*. Our laboratory is making acoustic researches through prediction/measurement of physical aspects of sound and evaluation of psychological/physiological effects of sound on man, in order to contribute to creation of safe and comfortable acoustic environment.

- ◆ Development of prediction methods : Numerical analysis, Scale model experiment
- **Room acoustic design** : Auditoria, Open-type classrooms
- Acoustic measurement : Sound propagation, Sound insulation and absorption
- **Development of sound field simulation** : 6 channel recording-reproduction system
- ◆ Subjective evaluation : Concert halls, Living environments, Public spaces,

other small spaces such as a car cabin



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