

機械・精密システム工学科 論文発表

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題名	Acoustic Analysis with Consideration of Damping Effects of Air Viscosity in Sound Pathway
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著者	笹島学、渡邊光治、山口誉夫、 <u>黒沢良夫</u> 、小池美夫
概要	Sound pathways in the enclosures of small earphones are very narrow. In such narrow pathways, the speed of sound propagation and the phase of sound waves change because of the air viscosity. We have developed a new finite element method that includes the effects of damping due to air viscosity for modeling the sound pathway.