機械・精密システム工学科　論文発表

題名	Damped vibration analysis using finite element method with approximated modal damping for automotive double walls with a porous material
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概要	This paper provides a description of damped vibration analysis of automotive doublewalls with a porous material. The double walls are modeled by using finite element calculations and by considering the damping couplings a mongvarious materials. Damped sound field sinside of the porous materials are defined by complex effective density and complex bulk modulus.Particle displacements of the internal air in the porous materials are chosen as unknowns.