題名
掲載雑誌
著者
概要
山口誉夫, 黒沢良夫, 松村修二
A numerical method is proposed to calculate damping properties for soundproof structures involving solid bodies,
porous media and air in two-dimensional regions. Both effective density and bulk modulus have complex quantity to
represent damped sound fields in the porous media. Particle displacements in the media are discretized using finite
element method. Moreover, it is found that damping can be coupled in the mixed structures between solid bodies,
porous media and air.
機械・精密システム工学科論文発表
【発表者について】アンダーラインは本学教員および研究員、※は大学院生、卒研生または卒業生
FEA for damping of structures having elastic bodies, viscoelastic bodies, porous media and gas
Mechanical Systems and Signal Processing,Vol.21,No.1:pp535-552