

Boundary value problems of steady vibrations in the linear theory of viscoelasticity of binary mixtures with porous

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In the talk the linear theory of viscoelasticity of binary mixtures with porous is considered, where the constituents of mixture are a Kelvin-Voigt porous material and an isotropic elastic solid. The existence and uniqueness theorems for classical solutions of the boundary value problems of steady vibrations are proved by means of the potential method and the theory of singular integral equations.