

Ilham T. PIRMAMEDOV

PARAMETRIC VIBRATIONS OF NONLINEAR AND  
NONHOMOGENEOUS BY THICKNESS  
VISCO-PLASTIC CYLINDRICAL SHELL WITH  
FILLER

Abstract

*The given paper is devoted to the investigation of parametric vibrations of thin non-homogeneous nonlinear by thickness visco-elastic cylindrical shell completed with the medium and situated under the action of external pressure by means of variational principle. The case of linear visco-elasticity is considered. The characteristic curves of dependence on surface of loading frequency characterizing the change of zone of dynamic stability from the constructions parameters are constructed.*