

## Abstract

*The nonstationary wave propagation process in viscoelastic rectangular bars subjected to the action of suddenly applied axial forces, is studied.*

*Based on the results of [4], a method for construction of a solution, taking into account of properties of viscoelastic relation between strains and stress, is worked out. The solution is obtained for the case of Kelvin-Foight material and it was reduced to numerical calculations and illustrations.*