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# PARAMETRIC VIBRATIONS OF NONLINEAR-VISCOELASTIC ROD

## Abstract

*The rod having the thin-walled structural elements is widely used in techniques. There arise difficulties in analysis of these elements allowing for physical and geometrical nonlinearity and so such problem is solved by the variational method.*

*In this paper the parametric oscillations of rod allowing for physical and geometrical nonlinearity in elastic medium is investigated by variational method and the characteristic curves are constructed.*