

APPLIED PROBLEMS OF MATHEMATICS AND MECHANICS

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ASYMPTOTIC ANALYSIS OF MIXED PROBLEM  
OF ELASTICITY THEORY FOR NONLINEAR  
TRUNCATED HOLLOW CONE OF SMALL  
THICKNESS

Abstract

*In the paper [1-4] mode of deformation of nonhomogeneous truncated hollow cone of small thickness is investigated by the method of asymptotic integration of elasticity theory. In this paper a mixed problem of elasticity theory for nonhomogeneous truncated hollow cone of small thickness is investigated. Nonhomogeneous and homogeneous solutions are constructed. The character of mode of deformation is cleared up based on analysis.*