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ASYMPTOTIC ANALYSIS OF A SPACE
PROBLEM OF ELASTICITY THEORY
FOR NONHOMOGENEOUS HOLLOW
CONE OF SMALL THICKNESS

Abstract

By the method of direct asymptotic integration of equations of elasticity theory the space deflected mode of nonhomogeneous truncated hollow cone of small thickness is investigated. The nonhomogeneous and homogeneous solutions are constructed. On the base of qualitative analysis the nature of deflected mode is clarified.