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ASYMPTOTIC INVESTIGATION OF THE ROOTS  
OF A CHARACTERISTIC EQUATION OBTAINED  
IN A PROBLEM OF ELASTICITY THEORY FOR  
TRANSVERSALLY-ISOTROPIC HOLLOW CONE

Abstract

*We investigate the roots of a characteristic equation of a problem of elasticity theory for transversally-isotropic hollow cone of variable thickness with respect to spectral parameter. Statement on the existence of three groups of zeros with asymptotic properties is proved.*