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BENDING OF RECTANGLE ANISOTROPIC PLATE WITH LOCAL CURVED STRUCTURES

Abstract

The bending of linear anisotropic plate made of laminary composite materials with local curved materials under normal load is studied in frames of continual theory. To solve the problem a small parameter method is used. Zero approximation is the solution of the problem for homogeneous limear orthotropic plate. Recurrent equations was obtained for corresponding approximation. The methods for finding the quantities of each approximation in an analytic form are stated.