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# BENDING OF A RECTANGULAR ANISOTROPIC PLATE WITH CURVED STRUCTURES

## Abstract

In the frames of continual theory the bending of rectangular anisotropic plate made of laminar composite material with periodic curvatures in structure under the influence of normal loading. The method of small parameter is used for solution of the problem. The zero approximation is solution of the problem for homogeneous rectangular orthotropic plate. The recurrent equation for corresponding approximations is obtained. The method of finding the value of every approximation in analytical form is stated.