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ON THE STABILITY OF ORTHOTROPIC ELASTICOPLASTIC PLATES WITH REGARD TO CROSS SHEARS

Abstract

The problem on solvability of orthotropic elasticoplastic rectangle plates with regard to deformations of cross shears is investigated in the paper. All main correlations and the system of stability equations of the considered plate are received in general form. The characteristic equation for definition of load parameter were received at articulate fixation of plate's borders. The numerical calculations were carried out at concrete values of parameters.