

STABILITY OF VARIABLE THICKNESS PLATE MADE OF CONTINUOUS INHOMOGENEOUS MATERIAL

Abstract

In the paper it is assumed that a variable thickness plate is on Fous-Winkler basis and elasticity modulus is a continuous function of thickness coordinate. The thickness is a function of coordinate of mean plane. The main relations, differential equations are given in approximate statement. The calculation were carried out, typical graphs was constructed for a cylindrical form of stability loss.