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THE ASYMPTOTIC ANALYSIS OF  
EIGENFREQUENCIES OF OSCILLATIONS OF THE  
CYLINDRICAL ENVELOPES, STRENGTHENED BY  
TRANSVERSE RIBS AND FILLED WITH FLUID

Abstract

*In the present work the asymptotic analysis of eigenfrequencies of oscillations of the envelope, strengthened by transverse ribs, filled with fluid has been done. The motion of envelope is described on base of the theory of constructively-orthotropic envelopes. The partial equations are obtained and with the help of asymptotic method the simple formulae for getting eigenfrequencies of the considered constructions have been deduced.*