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INVESTIGATIONS OF EIGEN-OSCILLATIONS OF  
A MEDIUM FILLED CYLINDRICAL SHELL  
REINFORCED BY TWO CROSS SYSTEMS OF RIBS

Abstract

*The paper is devoted to the research of eigen-oscillations of a medium filled cylindrical shell stiffened by a cross system of ribs. Asymptotic analysis of frequencies and oscillations forms of the considered system is conducted on the smallness of the shell thickness, character of variability of stress state of a shell and medium, smallness of relation of elasticity modulus of medium and shell.*