Abstract

In the proposed paper in development of results of works [5-7], it is considered the problem of the flutter of truncated shell, there has been adduced data of evaluative computations, their comparison with similar ones obtained by the piston theory.

A new feature in he formulation of the problem resides in the fact that in the formula for the excess pressure, the item with the second mixed derivative of the shell flexure with the respect to the time and coordinate is held, the evaluation and qualitative analysis of the approximate solution have shown that taking into account the item can appreciably decline the flutter critical speed.