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A FLUTTER OF A PLATE ARRANGED ON WEDGE CHEEK

Abstract

Assume that a surface of a wedge occupies the domain

$$V = \{0 \leq x < \infty, y = \pm kx, |z| < \infty\}.$$

Then a thin elastic plate occupies the part $\Gamma = \{x_1 \leq x \leq x_2\}$ of the plate $y = kx$.

In the paper the flutter of this plate in supersonic gas flow whose velocity vector is directed along the axis x , is investigated.