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UNSTATIONARY WAVES IN TWO-LAYERED FLUID CAUSED BY NORMAL LOADING AT THE INTERFACE

Abstract

In theory, the dynamics of the transformation of long-linear waves at the interface of horizontal two-layered stratified fluid in a channel under loading, applied to this boundary is studied. The difference equation for disturbance of the interface of fluids, taking into account the laws of a change of concentrated load and a surface tension force is obtained.