

ABOUT ELABORATION DIAGNOSTIC METHODS OF ELEMENTS THE PNEUMOHYDROSYSTEM PRODUCTIONS

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This article describes the research work of influence of gas-filled "vessel-pipeline-valve" system element parameters on nature and quantitative indexes of initial pressure waves appeared after change of valve cross section. The mathematical model describing initiation of flow in the gas-filled pipeline during valve opening. The scheme of calculation of non-stationary movement of a nonviscous compressed liquid in the pipeline which area changes on time and longitudinal coordinate is offered.

Hydro-flowdynamics, pneumohydrosystem, diagnostic methods

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