

INFLUENCE OF VISCOELASTIC PROPERTIES OF
PIPES MATERIAL ON TRANSMISSION OF WAVES
OF PRESSURE DISTURBANCE AT MOVEMENT
OF NONEQUILIBRIUM GASES

Abstract

Use of pipes from a viscous and elastic material at construction of oil pipelines and gas pipelines puts before the researchers questions of study elastic-viscous properties of a material of a pipe on distribution of waves of indignation of pressure in the pipeline at the unsteady movement nonequilibrium gases. This influence is especially brightly shown at occurrence of non-regular situations in pipelines (having dug pipes and as a consequence outflow of gas, sharp changes in a mode of submission of gas, hydraulic impacts, etc.)