

DEVELOPMENT OF THE FINITE ELEMENT MODEL OF VIBROACOUSTICAL CHARACTERISTICS OF PIPE SYSTEM

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The finite element mathematical model of dynamic characteristics of pipe system is developed. The model allows calculations of pipe characteristics under force excitation by oscillating fluid flow, including unsteady conditions. The pipe system can be of complex configuration. Results of calculation on the developed model are presented..

Pipeline system, dynamic characteristic, fluid power, vibration, finite element model, fluctuation

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