Acoustic gas oscillations in coaxial tubes

Semenova E., Larionov V., lovleva O. Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Published under licence by IOP Publishing Ltd. Pulsating combustion is one of the possible solutions to improve energy efficiency of combustors that use hydrocarbon fuels. In this paper analysis of gas oscillations in coaxial tubes is provided. An influence of geometric parameters of the combustion chamber and the resonance tube on the installation frequency is considered.

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