IOP Conference Series: Materials Science and Engineering 2015 vol.86 N1

Equation of fluctuations frequency of gas in the devices such as capacity-tube

Iovleva O., Semenova E. Kazan Federal University, 420008, Kremlevskaya 18, Kazan, Russia

Abstract

© Published under licence by IOP Publishing Ltd. In this paper highlights gas oscillations in the devices consisting of a combustion chamber and a narrow tube for the outflow of combustion products. Considering the sound velocity gradient in the tube. The resulting equation of fluctuations frequency of gas in the test device with any geometrical parameters.

http://dx.doi.org/10.1088/1757-899X/86/1/012025