

EXPERIMENTAL STUDY OF COOLING SYSTEMS WITH INTENSIFICATION IN FIELD OF INERTIAL FORCES

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The article discusses the results of an experimental study of cooling systems with intensification of inertial forces in a field, obtained on a modernized experimental bench. This stand made it possible to study the efficiency of heating the components of liquid fuel of a hydrocarbon coolant in the field of inertial forces and verify the results obtained in ANSYS.

Keywords: liquid rocket engines, turbulization, heat transfer, cooling system, heat exchange, experimental stand.

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For citations

Shalay V. V., Shcherban K. V. Experimental study of cooling systems with intensification in field of inertial forces // Omsk Scientific Bulletin. Series Aviation-Rocket and Power Engineering. 2019. Vol. 3, no. 3. P. 63–74. DOI: 10.25206/2588-0373-2019-3-3-63-74.

Received 30 March 2019.

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