

EXPERIMENTAL DEVELOPMENT OF THE LRE WITH CCCM NOZZLE'S EXTENSION

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The peculiarities of experimental stand development of LRE with a nozzle extension from CCCM are presented, in which the zone of the cooling part mating with nozzle extension is combined with a section of symmetrical injection of the waste generator gas: application of small-size vacuum cell embracing only the CCCM nozzle extension; temperature measurement in the nozzle extension and application of the nondestructive methods of control at different phases of manufacture and exploitation of the CCCM nozzle extension.

Carbon-carbon composite material, combustion chamber, nozzle extension, liquid rocket engine, firing tests

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