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EXPERIMENTAL INVESTIGATION OF AUGMENTED SPARK IGNITION OF A LO₂LCH₄ REACTION CONTROL ENGINE AT ALTITUDE CONDITIONS



Experimental Investigation of Augmented Spark Ignition of a LO₂/LCH₄ Reaction Control Engine at Altitude Conditions

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Bibliogov. Paperback. Book Condition: New. This item is printed on demand. Paperback. 46 pages. Dimensions: 9.7in. x 7.4in. x 0.1in. The use of nontoxic propellants in future exploration vehicles would enable safer, more cost-effective mission scenarios. One promising green alternative to existing hypergols is liquid methane (LCH₄) with liquid oxygen (LO₂). A 100 lbf LO₂LCH₄ engine was developed under the NASA Propulsion and Cryogenic Advanced Development project and tested at the NASA Glenn Research Center Altitude Combustion Stand in a low...

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