SPACE PROPULSION SYMPOSIUM (C4)

Propulsion Systems I (1)

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SPACE LIQUID ROCKET ENGINES WITH MULTIPLE IN-FLIGHT RESTARTS AND THRUST REGULATION

Abstract

This paper presents data on the development of storable fuel space engines, in $2000-11000~\mathrm{N}$ thrust range.

The engines provide multiple in-flight restarts and thrust regulation. They can be used to ensure a soft landing onto space bodies.

Proven technologies and structural elements, crucial for LRE's serviceability, will be used during engine development to ensure the required performance within the speci-fied thrust range and development cost reduction.