

SPACE PROPULSION SYMPOSIUM (C4)  
Interactive Presentations (IP)

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GAS-CORE NUCLEAR ROCKET ENGINES AND NOT STANDARD PROPULSIVE MASS FOR  
THEM

**Abstract**

In the report the subject of use of the gas-phase reactor for creation of the jet stream consisting of plasma of regolith of celestial bodies will be continued. In this report schemes and methods of creation of gas-phase rocket engines by which propulsive mass for exhaust will be offered usual soil of celestial bodies is. Regolith, sand, stones, ice, and the even used space modules including Earth's space garbage, and so forth. This type of engines won't be replaceable at active development of distant planets and asteroids of solar system both in automatic and in piloted the modes. The author pays much attention to absolute safety of an exit of such engines in space and their operation.