

**Stationary Plasma Thruster Plume Characteristics  
(SuDoc NAS 1.26:194454) By Roger M. Myers**



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### **Cylindrical hall thrusters with permanent magnets**

differences in the plume characteristics measured for the CHTs with typical annular Hall thrusters so-called stationary plasma thruster or SPT Ref

### **Plasma instabilities in the ionization regime of**

Plasma instabilities in the ionization regime of a Hall characteristics of the thruster operating with both BN and Al<sub>2</sub>O<sub>3</sub> stationary plasma thrusters,

### **Analysis of energy balance in the discharge of spt**

Analysis of energy balance in the discharge of SPT using results of its integral parameters and plume characteristics in the stationary plasma thruster

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Stationary Plasma Thruster Plume This paper presents the results of a preliminary study of the thruster plume characteristics which are NAS 1.26:194454

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PLASMA THRUSTER PROPULSION FOR SMALL SATELLITES in the Stationary Plasma Thruster (SPT 100) Plume and its Plasma Thruster Plume Characteristics

### **Www.ntrs.nasa.gov**

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### **Citeseerx transport-property and mass spectral**

Stationary plasma thruster plume characteristics - Myers, Stationary Plasma Thruster Plume Emissions - Manzella 2: Energy Model and Mechanisms of

### **Plume characterization of the spt-100**

PLUME CHARACTERIZATION OF THE SPT-100 SPT-100 for far-field plume plasma and transport properties as well as thruster L Stationary Plasma Thruster,

### **Numerical assessment of slow ion back flow in**

NUMERICAL ASSESSMENT OF SLOW ION BACK FLOW and Ivanov M.S. Particle simulation of stationary plasma thruster plume // Thermophysics and Aeromechanics. 2001.

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### **Mathematical model of hypersonic plasma flows**

Mathematical model of hypersonic plasma flows have used an approximate description of stationary electric field plasma thruster plume characteristics.

## **Experimental investigations of a krypton**

Stationary plasma thrusters are attractive electric krypton plasma discharge inside the channel and the plume of HET are required characteristics,

## **Istc. project**

Project objective. Development of the scientific and engineering basis for the designing of medium power stationary plasma thrusters and ablative pulse plasma

## **Modeling of stationary plasma thruster-100**

Modeling of Stationary Plasma Thruster-100 Thruster measurements of a stationary plasma thruster plume. Plume Characteristics of a Stationary Plasma

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## **Modeling of the plasma jet of a stationary plasma**

MCC! model to study the plume of a stationary plasma thruster. The model is based on a uid In stationary plasma thrusters ~SPT!, or Hall thrusters, a

## **Study of plume characteristics of a stationary**

QIAN Zhong et al.: Study of Plume Characteristics of a Stationary Plasma Thruster Fig.2 Plume of thruster in Fig. 2, such as the pro les of electron temperature

## **Electric propulsion plasma plume interaction with**

Information on the SPT plume influence upon the SP characteristics is currently rather limited. End-of-life stationary plasma thruster far-field plume

## **Hybrid model for plasma thruster plume simulation**

The simulation of stationary plasma thruster plume is important for spacecraft design due to possible interaction plume with Characteristics of synchrotron

## **Hall effect thruster - wikipedia, the free**

(Redirected from Stationary Plasma Thruster) and neutralize the ions in the plume. Hall effect thrusters are sometimes referred to as Hall thrusters or Hall

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Experimental Characterization of a Micro-Hall stationary plasma thruster in the Stationary Plasma Thruster (SPT-100) Plume and Its

### **Numerical study of hall thruster plume and**

Study of plume characteristics of a stationary plasma thruster, Plasma Science and Computational modeling of hall thruster plasma plume in a

### **Self consistent kinetic simulations of spt and**

Stationary Plasma Thrusters Self consistent kinetic simulations of SPT and HEMP wall interaction characteristics. The SPT thruster relies on

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New NASA project includes powerful plasma thruster vacuum vessels one needs to know the parameters of plume plasma in very far For stationary plasma (0 w w t

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STATIONARY PLASMA THRUSTERS SEMINAR REPORT Submitted by PRABHATH A Stationary Plasma Thruster 2.0 operating characteristics, and plume structure of

### **Particle-in-cell simulation of stationary plasma**

in-Cell Simulation of Stationary Plasma Thruster. plume simulation of multi-channel thruster of discharge characteristics in

### **Preliminary far-field plume sputtering**

Preliminary far-field plume sputtering characterization of the stationary plasma thruster (SPT--100). [Eric J Pencil;

### **A closer look at a stationary plasma thruster**

A closer look at a stationary plasma thruster (SPT-100D EM1) C. Bundesmann. 1, Stationary plasma thruster 2D current density maps, 3D plume plot possible

### **Alexey arhipov, ph.d. | linkedin**

Three-dimensional numerical simulation of the plasma plume from a Stationary Plasma Thruster out measurements of plasma plume characteristics in vacuum

### **Global characteristics of an aton stationary**

Global Characteristics of an ATON Stationary Plasma Thruster Operating with Krypton and Xenon GLOBAL CHARACTERISTICS OF AN ATON STATIONARY PLASMA THRUSTER1037

### **Abstract - national space grant foundation**

893 IEPC-93-096 STATIONARY PLASMA THRUSTER PLUME CHARACTERISTICS Roger M. Myers1 and David H. Manzella2 Sverdrup Technology, Inc. NASA Lewis Research Center Group

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### **Three-dimensional numerical simulation of the**

Three-Dimensional Numerical Simulation of the Plasma Plume from a Stationary Plasma Thruster For characteristics (3.1) leaving the thruster exit,

### **Ieee transactions on plasma science, vol. 27, no**

of a Stationary Plasma Thruster Shawn G. Ohler, Member, IEEE, Brian E. Gilchrist, Member, IEEE, and Alec D. Gallimore highly directed plasma plume. It is

### **Near- and far-field characterization of stationary**

Near- and Far-Field Characterization of Stationary Plasma Thruster Plumes Alec D. Gallimore E Bprobe were used to characterize Hall thruster plume ions.

### **The performance and plume characterization of a**

The Performance and Plume Characterization of a and the SPT-1 stationary plasma thruster (SPT), characteristics were selected:

### **Facility effects on stationary plasma thruster**

FACILITY EFFECTS ON STATIONARY PLASMA THRUSTER TESTING T. Randolph<sup>4</sup>, V. Kim<sup>3</sup>, testing has been performed at several facilities to characteristics, plume densities

### **Stationary plasma thruster plume simulation**

Stationary plasma thruster plume simulation Francesco Taccogna\*, 1.a) is non uniform in both coordinates in order to adapt to the local plasma density.

### **Stationary plasma thruster plume characteristics**

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