

巻頭言 The Plasma Crystal Research Program on the International Space Station (ISS)

H. THOMAS

320301

特集 :Complex Plasmas Experiments in Microgravity and Related Researches

(解説) Complex (Dusty) Plasma Research under Microgravity Conditions:
PK-3 Plus Laboratory on the International Space Station

V.I. MOLOTKOV, H.M. THOMAS, A.M. LIPAIEV, V.N. NAUMKIN, A.V. IVLEV and S.A. KHRAPAK

320302

(解説) PK-3 Plus微小重力実験への参加と将来計画

足立 聡・東辻 浩夫・高橋 和

320303

(原著論文) パルスレーザーを用いた静電浮遊液滴の大変形挙動の観察

野口 正晴・正木匡彦・松本聡

320304

編集委員長
編集委員

石川毅彦

足立 聡, 今井良二, 今村 宰, 上野一郎, 宇宿功史郎, 大西 充, 小澤俊平,
栗林一彦, 木暮和美, 鈴木進補, 田仲広明, 永井秀明, 吉崎 泉, 渡邊匡人

H. Kuhlmann, V. Molotkov, P.-F. Paradis, H.Thomas

発行日

2015年7月31日 (年4回発行)

発行者

日本マイクロ重力応用学会 (会長 石川正道)

© 2015 The Jpn. Soc. Microgravity Appl.

<http://www.jasma.info/journal/ja>

PRINT ISSN: 0915-3616 ONLINE ISSN: 2188-9783

CONTENTS

- Preface** The Plasma Crystal Research Program on the International Space Station (ISS)
H. THOMAS
320301
-

Special Articles: Complex Plasmas Experiments in Microgravity and Related Researches

- (Review) Complex (Dusty) Plasma Research under Microgravity Conditions:
PK-3 Plus Laboratory on the International Space Station
V.I. MOLOTKOV, H.M. THOMAS, A.M. LIPAIEV, V.N. NAUMKIN, A.V. IVLEV and S.A. KHRAPAK
320302

- (Review) International Collaboration on Microgravity Experiments Using PK-3 Plus Apparatus and
Future Plans
S. ADACHI, H. TOTSUJI and K. TAKAHASHI
320303
-

- (Original Paper) Large Deformation Behavior of Electrostatic Levitated Liquid due to the Photon Energy by
Using a Pulse Laser
M. NOGUCHI, T. MASAKI and S. MATSUMOTO
320304

Editorial Committee

- | | |
|---|--|
| T. Ishikawa (JAXA), Editor in chief | S. Ozawa (Chiba Institute of Technology) |
| S. Adachi (JAXA) | S. Suzuki (Waseda University) |
| R. Imai (Muroran Institute of Technology) | H. Tanaka (Confocal Science Inc.) |
| O. Imamura (Nihon University) | I. Ueno (Tokyo University of Science) |
| K. Kogure (JSF) | K. Usuku (IHI Aerospace) |
| K. Kuribayashi (Shibaura Institute of Technology) | I. Yoshizaki (JAXA) |
| H. Nagai (AIST) | M. Watanabe (Gakushuin University) |
| M. Ohnishi (JAXA) | V. Molotkov (JIHT, Russia) |
| H. Kuhlmann (TUW, Austria) | H. Thomas (DLR, Germany) |
| P.-F. Paradis (INO, Canada) | |