

## PROCEEDINGS AT THE 908TH GENERAL MEETING

The 908th General Meeting of the Academy was held on Monday, April 14, 1997, at 1:05 p.m., Dr. Yoshio FUJITA, President, taking the chair. Ninety-six members were present, and the following communications were made:

- The time-theme in Milton's *Paradise Lost*. . . . . Masao HIRAI, M. J. A.  
 "Population of lawyer" in Japan . . . . . Yasuharu HIRABA, M. J. A.  
 Revolution in dental caries treatment . . . . . Takao FUSAYAMA, M. J. A.  
 Presence of helium ( $^4\text{He}$ ,  $^3\text{He}$ ) confirmed in deuterated Pd-black by the "Vi-effect" in a "closed QMS"  
 environment . . . . . Yoshiaki ARATA, M. J. A., and Zhang-Yue CHANG  
 Periodic solutions of the heat convection equations in exterior domains . . . . . Kazuo ÔEDA  
 Communicated by Kiyosi ITÔ, M. J. A.  
 An interpretation of the 1914 eruption of Sakurajima volcano . . . . . Izumi YOKOYAMA, M. J. A.  
 Measurement of isotopic composition of "O-16 oxygen" enriched to 99.99 atom percent . . . . .  
 . . . . . Yongzhong LIU and Akimasa MASUDA  
 Communicated by Kazuo YAMASAKI, M. J. A.  
 Circular geodesic submanifolds with parallel mean curvature vector in a non-flat complex space form . . .  
 . . . . . Sadahiro MAEDA and Ryoichi TAKAGI  
 Odd dimensional tori and contact structure . . . . . Mitsuhiro ITOH  
 A theta product formula for Jackson integrals associated with root systems . . . . . Masahiko ITO  
 Above three communicated by Heisuke HIRONAKA, M. J. A.  
 $L^p$ -analysis on homogeneous manifolds of reductive type and representation theory . . . . .  
 . . . . . Toshiyuki KOBAYASHI  
 Maximal unramified extensions of imaginary quadratic number fields of small conductors . . . . . Ken YAMAMURA  
 Above two communicated by Shokichi IYANAGA, M. J. A.

After a recess during which the members present met in their respective Sections, the General Meeting was resumed for business transactions.

First, the Chairmen of both Sections made reports of the matters dealt with at the respective Sectional Meetings.

Next, the election of the President for the coming term took place; and Dr. Yoshio FUJITA was re-elected. The Meeting adjourned at 4:40 p.m.



# 日本学士院紀要

平成九年四月 第七十三卷A 第四号

平成九年五月二日 印刷  
平成九年五月八日 発行

編集兼 日本学士院  
発行者 東京都台東区上野公園七の三十二  
印刷所 株式会社東京プレス  
東京都板橋区桜川二丁目二十七の十二  
印刷者 依田義一  
東京都板橋区桜川二丁目二十七の十二

Printed by  
TOKYO PRESS COMPANY LIMITED  
No. 27-12, Sakuragawa 2-chome, Itabashi-ku,  
Tokyo 174 Japan  
Tel.: (3932) 9291~4

APRIL, 1997

# PROCEEDINGS OF THE JAPAN ACADEMY

## SERIES A MATHEMATICAL SCIENCES

---

### CONTENTS

#### Papers Communicated:—

	Page
K. ŌEDA: Periodic Solutions of the Heat Convection Equations in Exterior Domains . . . . .	49
S. MAEDA and R. TAKAGI: Circular Geodesic Submanifolds with Parallel Mean Curvature Vector in a Non-flat Complex Space Form. . . . .	55
M. ITOH: Odd Dimensional Tori and Contact Structure . . . . .	58
M. ITO: A Theta Product Formula for Jackson Integrals Associated with Root Systems . . . . .	60
T. KOBAYASHI: $L^p$ -analysis on Homogeneous Manifolds of Reductive Type and Representation Theory . . . . .	62
K. YAMAMURA: Maximal Unramified Extensions of Imaginary Quadratic Number Fields of Small Conductors . . . . .	67
<b>Proceedings at the 908th General Meeting . . . . .</b>	<b>VII</b>