

## PROCEEDINGS AT THE 819TH GENERAL MEETING

The 819th General Meeting of the Academy was held on Thursday, May 12, 1988, at 1:30 p.m., Dr. Yoshitaro WAKIMURA, President, taking the chair. Ninety-five members were present, and the following communications were made:

- 'Saṅkara's standpoint and the role of speculation—the conflict between tradition and rationalism . . . . . Hajime NAKAMURA, M. J. A.  
 Chromosomes of an African lungfish, *Protopterus annectens* . . . . .  
 . . . . . Atsushi SUZUKI and Kaoru YAMANAKA  
 The effect of caffeine on the fragile sites in newborns . . . . .  
 . . . . . Tetsuji KADOTANI, Yoko WATANABE, and Noriko KUROSAKI  
 A study of the fragile sites in the cases with ring chromosome no. 22  
 . . . . . Suzue KANATA, Tetsuji KADOTANI,  
 Yoko WATANABE, Noriko KUROSAKI, Toshio KUMADA, and Osamu TOI  
 Characteristics of cis- and trans-orientation chromatid types of association in human extreme old age . . . . .  
 . . . . . T. A. LEZHAVA and E. V. KHMALADZE  
 Aneuploidy in human lymphocytes in extreme old age. The relationship between natural and artefactual aneuploidy . . . . .  
 . . . . . T. A. LEZHAVA and E. V. KHMALADZE  
 Above five, communicated by Sajiro MAKINO, M. J. A.  
 On fundamental solution of differential equation with time delay in Banach space . . . . . Hiroki TANABE  
 The structure of gravity-capillary waves of permanent profiles on deep water . . . . . Mayumi SHŌJI  
 A note on the Nash-Moser implicit function theorem . . . . .  
 . . . . . Kiyoshi ASANO  
 On the initial value problem for the heat convection equation of Boussinesq approximation in a time-dependent domain . . . Kazuo ŌEDA  
 On representations of Lie superalgebras. II . . . Hirotohi FURUTSU  
 On a weak generalization of the fundamental theorem of the theory of curves or hypersurfaces . . . . . Kazushige UENO  
 Above six, communicated by Kōsaku YOSIDA, M. J. A.  
 Visualization of  $\text{Ca}^{2+}$  localization in caffeine-treated endoplasmic drops of *Physarum plasmodium* . . . . .  
 . . . . . Yasuaki YOSHIMOTO, Kiyoko KURODA, and Yukio HIRAMOTO  
 Communicated by Noburō KAMIYA, M. J. A.  
 Pleomorphism in beetle-gallery conidial fungi and protoplast reversion . . . . . Akihiko TSUNEDA  
 Communicated by Naohide HIRATSUKA, M. J. A.  
 The Devonian trilobites from the Fukuji and other formations in Japan . . . . . Teiichi KOBAYASHI, M. J. A.  
 New trilobites of the Devonian Fukuji fauna . . . . .  
 . . . . . Teiichi KOBAYASHI, M. J. A.  
 A mathematical theory of randomized computation. II . . . . .  
 . . . . . Shinichi YAMADA  
 Symmetrization of the van der Corput generalized sequences . . . . .  
 . . . . . Petko D. PROINOV  
 Azumaya algebras split by real closure . . . . .  
 . . . . . Teruo KANZAKI and Yutaka WATANABE

Classification of normal congruence subgroups of $G(\sqrt{q})$ . I . . . . .	Toshikazu TAKAGI
On the class groups of pure function fields . . . . Humio ICHIMURA	
Above five, communicated by Shokichi IYANAGA, M. J. A.	
Zeros of $L(s, \chi)$ in short segments on the critical line . . . . .	Yoichi MOTOHASHI
An inequality of Chern numbers of Bogomolov type for minimal varieties . . . . .	Hajime TSUJI
Above two, communicated by Kunihiko KODAIRA, M. J. A.	
Age-related changes in bile pigments of various strains of rats . . . . .	Kazuaki KAMISAKA, Toshiya KOYO, Shinobu YAMASUGE, Hiroe IGARASHI, and Takashi UESUGI
Communicated by Tamio YAMAKAWA, M. J. A.	
Immunoglobulin-like sequences in the extracellular domains of proto-oncogene <i>fms</i> and platelet-derived growth factor receptor . . . . .	Hidenori HAYASHIDA, Kei-ichi KUMA, and Takashi MIYATA

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

First, Dr. Mikio SUMIYA, M. J. A., paid a tribute of admiration to the late Dr. Hiromi ARISAWA's meritorious services to academic circles.

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

Then, the election of the Secretary-General for the coming term took place; and Dr. Yoshio FUJITA was elected.

The meeting was adjourned at 5:00 p.m.

# 日本学士院紀要

昭和六十三年五月 第六十四卷A 第五号

昭和六十三年六月五日 印刷  
昭和六十三年六月八日 発行

編集兼  
発行者 日本学士院  
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 依田高夫  
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.: (932) 9291~4

CONTENTS

*(Continued from Front Cover)*

	Page
Y. MOTOHASHI: Zeros of $L(s, \chi)$ in Short Segments on the Critical Line .....	174
H. TSUJI: An Inequality of Chern Numbers of Bogomolov Type for Minimal Varieties .....	177
Proceedings at the 819th General Meeting .....	XI