

PROCEEDINGS AT THE 891ST GENERAL MEETING

The 891st General Meeting of the Academy was held on Tuesday, September 12, 1995, at 1:00 p.m., Dr. Yoshio FUJITA, President, taking the chair. Eighty-five members were present, and the following communications were made:

- Peinture romane de l'église de Saint-Savin-sur-Gartempe Itsuji YOSHIKAWA, M. J. A.
 Die Unerreichbarkeit des Gläubigerzwecks Tetsu ISOMURA, M. J. A.
 Understanding of mechanisms of carcinogenesis and progress in diagnosis, treatment and prevention of cancer Takashi SUGIMURA, M. J. A.
 Production of phytoene, an oxidative stress protective carotenoid, in mammalian cells by introduction of phytoene synthase gene *crtB* isolated from a bacterium *Erwinia uredovora* Yoshiko SATOMI, Teruhiko, YOSHIDA, Kazunori AOKI, Norihiko MISAWA, Mitsuharu MASUDA, Michiaki MURAKOSHI, Nobuo TAKASUKA, Takashi SUGIMURA, M. J. A., and Hoyoku NISHINO
 Positive associations between dopamine D4 receptor polymorphism and schizophrenia. A study on two schizophrenic groups with genetic loading and unloading Michiko NAKAMURA, Akira INOUE, Hiromichi HEMMI, and Jiro SUZUKI
 Communicated by Takashi SUGIMURA, M. J. A.
 Sigma factors have two DNA-binding domains which resemble DBDs of histone H5, BirA, LexA and DtxR Masashi SUZUKI and Kozo MAKINO
 Expression of choline acetyltransferase mRNA and protein in T-lymphocytes. Takeshi FUJII, Shin YAMADA, Hidemi MISAWA, Sonoko TAJIMA, Kazuko FUJIMOTO, Takeshi SUZUKI, and Koichiro KAWASHIMA
 Above two, communicated by Setsuro EBASHI, M. J. A.
 Interaction of chemically stratified subducted oceanic lithosphere with the 660 km discontinuity. Shun-ichiro KARATO
 Communicated by Yoshihumi TOMODA, M. J. A.
 A simple way to identify functional sites in protein. III. Application of DEV Analysis to proteins other than trypsin Yukio KIIHO, Keizo MIYATA, Aiko UBAZAWA, Guru BHANDARI, Hiroshi MIZUNO, Teizo IWAI, Yoshio OKADA, M. J. A.
 Extremely high damage potential of near field earthquake ground motion. Comparison of the Hyogo-ken Nanbu and the Northridge Earthquakes. Hirokazu IEMURA
 Communicated by Shunzo OKAMOTO, M. J. A.
 Examination of mathematical treatment of lanthanide tetrad phenomenon based on four-segmented abscissa Akimasa MASUDA, Junji SHIMODA, and Hiroshi YAMAMOTO
 Communicated by Kazuo YAMASAKI, M. J. A.
 Orders in quadratic fields. IV. R. A. MOLLIN
 Corps linéairement compacts discrets Mohamed TABAÁ
 Triangles and elliptic curves. V. Takashi ONO
 A uniform construction of the root lattices E_6 , E_7 , E_8 and their dual lattices. Tetsuji SHIODA
 On Cartier-Voros type Selberg trace formula for congruence subgroups of $PSL(2, \mathbf{R})$ Miki HIRANO
 Gamma factors for generalized Selberg zeta functions Yasuro GON
 Quadratic relations between logarithms of algebraic numbers. Damien ROY and Michel WALDSCHMIDT
 Above seven, communicated by Shokichi IYANAGA, M. J. A.
 Wavelet transforms associated to a principal series representation of semisimple Lie groups. I Takeshi KAWAZOE
 Wavelet transforms associated to a principal series representation of semisimple Lie groups. II Takeshi KAWAZOE

- Positive solution of some nonlinear elliptic equation with Neumann boundary conditions Nicolae TARFULEA
-
- A Lusternik-Schnirelmann type theorem for locally Lipschitz functionals with applications to multivalued periodic problems Vicentiu D. RĂDULESCU
- Remark on the range inclusions of Toeplitz and Hankel operators Yuka SONE and Takashi YOSHINO
-
- Duality for hypergeometric period matrices Michitake KITA and Keiji MATSUMOTO
- Identification of the potential term of the wave equation Masayoshi KUBO
- Above seven, communicated by Kiyosi ITÔ, M. J. A.
- Highly stereoregular polymerization of aromatic acetylenes by $[\text{Rh}(\text{norbornadiene})\text{Cl}]_2$ catalyst. Masayoshi TABATA, Yuji NOZAKI, Wu YANG, Kazuaki YOKOTA, and Yuichi TAZUKE
- Communicated by Seizo OKAMURA, 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 respective Sectional Meetings.

Next, the President announced that Dr. Norimune SODA, M. J. A., had passed away on June 30, 1995. The members rose from their seats in silence, expressing profound sense of grief.

Then, Dr. Shunzo OKAMOTO, M. J. A., and Dr. Yoshitaka IRIYA, M. J. A., paid a tribute of admiration to the late Dr. Toshio FUKUYAMA's and the late Dr. Takeo HIRAOKA's meritorious services to academic circles.

After that, the chairmen of both Sections made reports of the matters dealt with at the respective Sectional Meetings.

Finally, the President reported that Dr. Setsuro EBASHI was elected Chairman of Section II. The Meeting was adjourned at 4:50 p.m.

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PROCEEDINGS OF THE JAPAN ACADEMY

SERIES A MATHEMATICAL SCIENCES

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