

PROCEEDINGS AT THE 911ST GENERAL MEETING

The 911st General Meeting of the Academy was held on Friday, September 12, 1997, at 1:00 p.m., Dr. Yoshio FUJITA, President, taking the chair. Ninety-seven members were present, and the following communications were made:

- The significance of Sankinkotai-system. Kota KODAMA, M. J. A.
 Japanese Civil Code Eiichi HOSHINO, M. J. A.
 Analysis of surface molecular motion of amorphous polymeric solids on the basis of scanning force
 microscopy and X-ray photoelectron spectroscopy
 Tisato KAJIYAMA, Keiji TANAKA, and Atsushi TAKAHARA
 Communicated by Seizo OKAMURA, M. J. A.
 Growth of *Mycobacterium leprae* in macrophages *in vitro* Nobutaka OSAWA
 Growth of *Mycobacterium leprae* *in vitro* Nobutaka OSAWA
 Above two, communicated by Kiku NAKAO, M. J. A.
 Multiplicity of the discrete delay time of the response of the solar total irradiance variation to the long-term
 solar magnetic cycle amplitude modulation deduced from the greenland ^{10}Be data.
 Hirokazu YOSHIMURA
 Decadal components of the solar total irradiance and terrestrial climatic variations as seen in the land air
 temperature anomaly and Lake Victoria water level changes Hirokazu YOSHIMURA
 Above two, communicated by Yoshio FUJITA, M. J. A.
 The origin of a linear mitochondrial plasmid (mF) that promotes mitochondrial fusion in laboratory strains of
physarum polycephalum Shigeyuki KAWANO, Takashi ABE, Kimie MORI, and Hiroyoshi TAKANO
 Communicated by Noburô KAMIYA, M. J. A.
 Antitumor effect of indomethacin and telomerase activity in the tumor in Colon 26 bearing CDF₁ mice . . .
 Mitsuharu OGINO, Hisashi HISATOMI, and Makoto HANAZONO
 Three-dimensional structure of microbial 2-hydroxyl-6-oxo-6-phenylhexa-2,4-dienoic acid (HPDA) hydro-
 lase (BphD enzyme) from *Rhodococcus* sp. strain RHA1, in the PCB degradation pathway
 Narayanasamy NANDHAGOPAL,
 Toshiya SENDA, Takashi HATTA, Akihiro YAMADA, Eiji MASAI, Masao FUKUDA, and Yukio MITSUI
 Capture of [^3H]-choline by fibrocytes of frog motor endplate region
 Shigeru TSUJI, Ion MOTELICA-HEINO, and Philippe ANGLADE
 Above three, communicated by Setsuro EBASHI, M. J. A.
 Multifractal spectrum of multinomial meadsues
 Tatsuya OKADA, Takeshi SEKIGUCHI, and Yasunobu SHIOTA
 On the local energy decay of higher derivatives of solutions for the equations of motion of compressible
 viscous and heat-conductive gases in an exterior domain in \mathbf{R}^3 Takayuki KOBAYASHI
 The generalized whittaker functions for several admissible representations of $Sp(2, \mathbf{R})$
 Takuya MIYAZAKI
 Asymptotic behavior of solutions of certain second order differential equations at infinity
 Tetsumi YOSHINAGA
 On the zeros of $\sum a_i \exp g_i$ Tuen-Wai NG and Chung-Chun YANG
 Above five, communicated by Kiyosi ITÔ, M. J. A.
 Transcendence of Rogers-Ramanujan continued fraction and reciprocal sums of Fibonacci numbers . . .
 Daniel DUVERNEY, Keiji NISHIOKA, Kumiko NISHIOKA, and Iekata SHIOKAWA
 On hasse principle for $x^n = a$ Takashi ONO and Tomohide TERASOMA
 A remark on naive height of a polarized abelian variety and its applications. Masami FUJIMORI
 A note on the diophantine equation $(m^3 - 3m)^x + (3m^2 - 1)^y = (m^2 +)^z$ Maohua LE
 Above four, communicated by Shokichi IYANAGA, M. J. A.