

PROCEEDINGS AT THE 759TH GENERAL MEETING

The 759th General Meeting of the Academy was held on Wednesday, May 12, 1982, at 1:00 p.m., Dr. Hiromi ARISAWA, President, taking the chair. Ninety-six members were present, and the following communications were made:

- Some considerations of origins of the scientific revolution Torataro SHIMOMURA, M. J. A.
 Kaitokudo and townsmen (chonins) Mataji MIYAMOTO, M. J. A.
 Remarks on the uniqueness in an inverse problem for the heat equation. II Takashi SUZUKI
 Euler's finite difference scheme and chaos in R^n Masayoshi HATA
 z -transformation by the new operator methods Sirō HAYABARA
 Calculus on Gaussian white noise. IV Izumi KUBO and Shigeo TAKENAKA
 Spectra of domains with small spherical Neumann boundary Shin OZAWA
 A complement to Trotter's product formula for nonlinear semigroups generated by the subdifferentials of convex functionals Simeon REICH
 Above six, communicated by Kōsaku YOSIDA, M. J. A.
 Object and color naming in chimpanzees (*Pan troglodytes*) Toshio ASANO, Tetsuya KOJIMA,
 Tetsuro MATSUZAWA, Kisou KUBOTA, and Kiyoko MUROFUSHI
 Asymmetry of the human autonomic nervous system under stimulation of the head by heat Tadanobu TSUNODA
 Kinetics of action of guanidine on the neuromuscular transmission Takashi MAENO, Mitsuyuki ICHINOSE, and Masashi SAWADA
 Above three, communicated by Yasuji KATSUKI, M. J. A.
 An ultrastructural study of extracellular matrix components of gastrulating *Xenopus laevis* embryos Shinji KOMAZAKI and Reiji HIRAKOW
 Communicated by Teizo OGAWA, M. J. A.
 On the identification of the intersection form on the middle homology group with the flat function via period mapping Kyoji SAITO
 Rational functions of (0, 1)-type on the two-dimensional complex projective space Hiroko KASHIWARA
 Conformally related product Riemannian manifolds Yoshihiro TASHIRO and In-Bae KIM
 Conformally related product Riemannian manifolds with Einstein parts Yoshihiro TASHIRO and In-Bae KIM
 Above four, communicated by Kunihiro KODAIRA, M. J. A.
 On the Killing radical of Lie triple algebras Michihiko KIKKAWA
 On formal groups over complete discrete valuation rings. I Keiichi OSHIKAWA
 Integral basis of the field $Q(\sqrt[3]{a})$ Kōsaku OKUTSU
 On certain generalized Gaussian sums Michio OZEKI
 Above four, communicated by Shokichi IYANAGA, M. J. A.
 A chromosome study in a case of Klinefelter's syndrome associated with diabetes mellitus and polycythemia vera