

JANUARY, 1982

VOL. LVIII, Ser. A, No. 1
PJAADT 58A(1) 1-50 (1982)
ISSN 0386-2194

PROCEEDINGS
OF THE
JAPAN ACADEMY

SERIES A
MATHEMATICAL SCIENCES

CONTENTS

Papers Communicated:—

	Page
I. MIYADERA: On the Infinitesimal Generators and the Asymptotic Behavior of Nonlinear Contraction Semi-Groups	1
S. OZAWA: An Asymptotic Formula for the Eigenvalues of the Laplacian in a Domain with a Small Hole	5
T. MIWA: On Hirota's Difference Equations	9
S. ISHIURA and M. NOUMI: A Calculus of the Gauss-Manin System of Type A_l . I. The Residual Representation	13
F. GROSS and C.-C. YANG: On Preimage and Range Sets of Meromorphic Functions	17
N. YANAGIHARA: Meromorphic Solutions of Some Difference Equations of Higher Order	21
A. KASUE: On Laplacian and Hessian Comparison Theorems	25
M. SAITO: Gauss Manin System and Mixed Hodge Structure	29
S. MIZUMOTO: On Eisenstein Series of Degree Two for Hilbert-Siegel Modular Groups	33
T. HIRAI: On the Inducing of Unipotent Classes for Semisimple Algebraic Groups. I. Case of Exceptional Type	37
Y. KITAOKA: Fourier Coefficients of Siegel Cusp Forms of Degree Two	41
S. NAGAOKA: On Hilbert Modular Forms. II	44
K. OKUTSU: Construction of Integral Basis. I	47
Proceedings at the 755th General Meeting	I

Published by the Japan Academy
Ueno Park, Tokyo