CONTENTS

Kimio Ueno and Kanehisa Takasaki — Toda Lattice Hierarchy	1
Michio Jimbo and Tetsuji Miwa — Irreducible Decomposition of Fundamental Modules for $A_l^{(1)}$ and $C_l^{(1)}$, and Hecke Modular	
Forms	97
Takeshi Kawazoe — Maximal Functions on Non-Compact, Rank One Symmetric Spaces — Radial Maximal Functions and Atoms	121
Kanehisa Такаsакі — Initial Value Problem for the Toda Lattice Hierarchy	139
Kazuhiko Aомото — Configurations and Invariant Theory of $Gau\beta$ -Manin Systems	165
Takashi Aoкi — Symbols and Formal Symbols of Pseudo-Differential Operators	181
Masatoshi Noumi — Regular Holonomic Systems and their Minimal Extensions I	209
Toshinori ÔAKU — F-mild Hyperfunctions and Fuchsian Partial Differential Equations	223
Jiro Sekiguchi — Regular Holonomic Systems and their Minimal Extensions II — Application to the Multiplicity Formula for Verma Modules	243
Etsuro Date — On a Calculation of Vertex Operators for $E_n^{(1)}$ $(n = 6, 7, 8)$	255
Takahiro Kawai and H. P. Stapp — Infra-red Finiteness in Quantum Electro-Dynamics	263
Mikio Sato, Masaki Kashiwara and Takahiro Kawai — Microlocal Analysis of Theta Functions	267
Michihiko Hashizume — Geometric Approach to the Completely Integrable Hamiltonian Systems Attached to the Root Systems	•
tems with Signature Toshio Oshima and Toshihiko Matsuki — A Description of Dis-	291
crete Series for Semisimple Symmetric Spaces	331
Toshio Oshima — Boundary Value Problems for Systems of Linear Partial Differential Equations with Regular Singulari-	
ties	391

Toshio Oshima and Jiro Sekiguchi — The Restricted Root System of a Semisimple Symmetric Pair 433