

Contents
of
Festschrift in honor of I.I. Piatetski-Shapiro
Part 1: Papers in Representation Theory

PREFACE	iii
BIBLIOGRAPHY OF I. I. PIATETSKI-SHAPIRO	xi
PERSONAL REMINISCENCES	
I.I. Piatetski-Shapiro, My Advisor and Friend	1
L.N. Vaserstein	
Siegel Domains etc.	5
S. Gindikin	
PAPERS IN REPRESENTATION THEORY	
Exceptional Representations and Shimura's	19
Integral for the Local Unitary Group $U(3)$ Stephen S. Gelbart and Jonathan D. Rogawski	
Quelques Remarques sur les Théorèmes Réciproques	77
Guy Henniart	
Another Look at the Local θ -correspondence	93
for an Unramified Dual Pair Roger Howe	
Rankin-Selberg Convolutions: Archimedean Theory	125
Hervé Jacquet and Joseph Shalika	
The Smallest Representation of Simply Laced Groups	209
D. Kazhdan and G. Savin	
On Formal Dimensions for Reductive p -adic Groups	225
Marie-France Vignéras	
Démonstration d'une Conjecture de Dualité de Howe	267
dans le cas p -adique, $p \neq 2$ J.-L. Waldspurger	
LIST OF CONTRIBUTORS, WITH ADDRESSES	325

**Part 2: Papers in Analysis, Number Theory
and Automorphic \mathcal{L} -functions
(contained in Vol. 3 of this series)**

PREFACE	iii
 PAPERS IN ANALYSIS, NUMBER THEORY AND AUTOMORPHIC L-FUNCTIONS	
The Riesz-Raikov Theorem for Algebraic Numbers	1
J. Bourgain	
The Exterior Square Automorphic L -functions on $GL(n)$	47
Daniel Bump and Solomon Friedberg	
A Problem on Certain p -adic Zeta-functions	67
Jun-ichi Igusa	
Poles of Eisenstein Series and L -functions	81
Stephen S. Kudla and Stephen Rallis	
Rank-one Residues of Eisenstein Series	111
Robert P. Langlands	
Orbits of Group Actions and Values of Quadratic	127
Forms at Integral Points	
G. A. Margulis	
Spectrum of a Position of a Convex Body and	151
Linear Duality Relations	
V. Milman	
On Ruelle's Zeta-function	163
S.J. Patterson	
The Converse Theorem for $GL(n)$	185
Ilya Piatetski-Shapiro	
Factorization of Operator Valued Analytic Functions	197
and Complex Interpolation	
Gilles Pisier	

Multiplicities of Galois Representations in Jacobians of Shimura Curves Kenneth A. Ribet	221
On Cusp Forms II P. Sarnak	237
Remarks on the Distribution of Poles of Eisenstein Series Atle Selberg	251
On Multiplicity of Local Factors Freydoon Shahidi	279
Automorphic Forms in $\mathrm{GSp}(4)$ David Soudry	291
Kuznetsov Formulas for Products of Groups of R -rank One N.R. Wallach and R. Miatello	305
Hecke Operators and Periods of Modular Forms Don Zagier	321
LIST OF CONTRIBUTORS, WITH ADDRESSES	337