

TABLE OF CONTENTS

PREFACE	III
FREQUENTLY USED SYMBOLS AND NOTATION	IX
 CHAPTER	
I. AUTOMORPHIC FORMS ON $GL(2)$	1
II. THE DIFFERENTIAL EQUATIONS SATISFIED BY WHITTAKER FUNCTIONS	17
III. JACQUET'S WHITTAKER FUNCTIONS	40
IV. FOURIER EXPANSIONS OF AUTOMORPHIC FORMS	63
V. INVARIANTS OF $G_{\infty} \backslash G$	73
VI. RAMANUJAN SUMS ON $GL(3)$	81
VII. EISENSTEIN SERIES	99
VIII. THE ANALYTIC CONTINUATION AND FUNCTIONAL EQUATIONS SATISFIED BY THE L-SERIES OF AN AUTOMORPHIC FORM . . .	133
IX. HECKE OPERATORS AND L-SERIES	148
X. THE MELLIN TRANSFORMS OF THE WHITTAKER FUNCTIONS	161
 REFERENCES	 181