

Contents

Introduction	1
Chapter 1. Preliminaries	4
1.1. The Group	4
1.2. The Diagonal Subgroup and Its Representations	7
1.3. Intertwining Operators	10
1.4. Product of Two Intertwining Operators	13
1.5. Normalization of Intertwining Operators	16
1.6. The Special Value of an Intertwining Operator	17
1.7. The Langlands Quotient	18
Chapter 2. Local Intertwining Operators	21
2.1. Irreducibility and Intertwining Operators	21
2.2. Speh Modules (p -adic Case)	24
2.3. The Principal Lemma	27
2.4. Generalization and Completion of the Proof	31
2.5. The Complex Case	33
Chapter 3. Spectrum Associated with the Diagonal Subgroup	36
3.1. The Global Metaplectic Group	36
3.2. Representations of Metaplectic Groups	38
3.3. Statement of the Problem	40
3.4. Representations of the Diagonal Subgroup	42
3.5. The Main Theorem	45
Chapter 4. CONTOUR INTEGRATION (after MW)	51
4.1. Holomorphy at the Origin of a Singular Hyper-plane	51
4.2. Corollaries	56
4.3. Residues by Induction	57
Bibliography	61
Index	62