

## Table of Contents

### Chapter I : Local Theory

§ 1. Weil representations .....	1
§ 2. Representations of $GL(2, F)$ in the non-archimedean case ..	23
§ 3. The principal series for non-archimedean fields .....	92
§ 4. Examples of absolutely cuspidal representations .....	124
§ 5. Representations of $GL(2, \mathbb{R})$ .....	153
§ 6. Representations of $GL(2, \mathbb{C})$ .....	220
§ 7. Characters .....	243
§ 8. Odds and ends .....	277

### Chapter II : Global Theory

§ 9. The global Hecke algebra .....	301
§ 10. Automorphic forms .....	324
§ 11. Hecke theory .....	349
§ 12. Some extraordinary representations .....	392

### Chapter III : Quaternion Algebras

§ 13. Zeta-functions for $M(2, F)$ .....	417
§ 14. Automorphic forms and quaternion algebras .....	456
§ 15. Some orthogonality relations .....	471
§ 16. An application of the Selberg trace formula .....	494