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| Nota di bibliografia | Includes bibliographical references (p. 311-319) and index. |
| Nota di contenuto | PREFACE; ACKNOWLEDGMENT; CONTENTS; PART 1. LIFTING AUTOMORPHIC FORMS OF PGSp(2) TO PGL(4); I. PRELIMINARIES; II. BASIC FACTS; III. TRACE FORMULAE; IV. LIFTING FROM SO(4) TO PGL(4); V. LIFTING FROM PGSp(2) TO PGL(4); VI. FUNDAMENTAL LEMMA; PART 2. ZETA FUNCTIONS OF SHIMURA VARIETIES OF PGSp(2); I. PRELIMINARIES; II. AUTOMORPHIC REPRESENTATIONS; III. LOCAL TERMS; IV. REAL REPRESENTATIONS; V. GALOIS REPRESENTATIONS; PART 3. BACKGROUND; I. ON AUTOMORPHIC FORMS; II. ON ARTIN'S CONJECTURE; REFERENCES; INDEX; AUTOMORPHIC FORMS AND SHIMURA VARIETIES OF PGSp(2) |
| Sommario/riassunto | The area of automorphic representations is a natural continuation of studies in the 19th and 20th centuries on number theory and modular forms. A guiding principle is a reciprocity law relating infinite dimensional automorphic representations with finite dimensional Galois representations. Simple relations on the Galois side reflect deep relations on the automorphic side, called "liftings." This in-depth book concentrates on an initial example of the lifting, from a rank 2 symplectic group PGSp(2) to PGL(4), reflecting the natural embedding of Sp(2,?) in SL(4, ?). It develops the technique of |

