

1. Record Nr.	UNISA996466500203316
Autore	Kaise Tetsuo
Titolo	Représentations de Weil et GL2 - Algèbres de division et GLn [[electronic resource]] : Vers les corps de classes galoisiens I, II / / by Tetsuo Kaise
Pubbl/distr/stampa	Berlin, Heidelberg : , : Springer Berlin Heidelberg : , : Imprint : Springer, , 1987
ISBN	3-540-47871-X
Edizione	[1st ed. 1987.]
Descrizione fisica	1 online resource (VIII, 204 p.)
Collana	Lecture Notes in Mathematics, , 0075-8434 ; ; 1252
Classificazione	12B27 22E50
Disciplina	512.7
Soggetti	Number theory Number Theory
Lingua di pubblicazione	Francese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Sommario/riassunto	<p>This monograph represents the first two parts of the author's research on the generalization of class field theory for the noncommutative case. Part I concentrates on the construction of all the irreducible representations of a multiplicative group B^* of a quaternion algebra B over a local field k with residue field of characteristic 2. These results are of considerable significance in the light of the connections found by Jacquet-Langlands between representations of $GL_2(k)$ and B^* and although they concern GL_2 they also provide a model for GL_n. Part II deals with $n \geq 2$ unifying results previously obtained by Weil, Jacquet-Langlands, Bernstein-Zelevinskii, Deligne-Kazdan and others. More than a mere comparison of these results, it reveals an intrinsic correspondence found with the aid of the base restriction process of algebraic groups and the substitution of division of algebras for Cartan subalgebras. The approach is purely local and therefore may be applied also to other types of reductive groups, in particular Sp_{2l} as well as to archimedean cases. This book will be of great interest to researchers and graduate students working in algebraic number theory and automorphic forms.</p>

