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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
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Sommario/riassunto	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.

