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The Breuil-Mézard conjecture for quaternion algebras. (La conjecture de Breuil-Mézard pour les algèbres de quaternions.) (English. French summary) Zbl 1395.11085

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Summary: We formulate a version of the Breuil-Mézard conjecture for quaternion algebras, and show that it follows from the Breuil-Mézard conjecture for GL_2 . In the course of the proof we establish a mod p analogue of the Jacquet-Langlands correspondence for representations of $\mathrm{GL}_2(k)$, k a finite field of characteristic p .

MSC:

11F80 Galois representations

11F33 Congruences for modular and p -adic modular forms

Cited in 4 Documents

Keywords:

Galois representations; Breuil-Mézard conjecture

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