

Le Floc'h, Matthieu

On Fitting ideals of certain étale K -groups. (English) [Zbl 1083.11073](#)
K-Theory 27, No. 3, 281-292 (2002).

The author computes the first Fitting ideal of $K_{2i-2}^{\text{ét}}(O_F^S)(\phi)$, showing it is principal and generated by a Brumer-Stickelberger element, where O_F^S is the S -integer ring of the abelian number field F/\mathbb{Q} , S is a set of primes of F tamely or wildly ramified over the odd prime number p , ϕ is a character of $\text{Gal}(F/\mathbb{Q})$ of order prime to p different from the i th power of the Teichmüller character, and $H(\phi)$ means $e_\phi H$ with e_ϕ the usual orthogonal idempotent.

Reviewer: [Zhang Xianke \(Beijing\)](#)

MSC:

- [11R70](#) K -theory of global fields
- [11R23](#) Iwasawa theory
- [19D50](#) Computations of higher K -theory of rings
- [19F27](#) Étale cohomology, higher regulators, zeta and L -functions (K -theoretic aspects)

Cited in **2** Documents

Keywords:

K -theory étale K -group; Fitting ideal; Iwasawa module; Stickelberger element

Full Text: [DOI](#)