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The Coates-Sinnott Conjecture

The Coates-Sinnott Conjecture was formulated in 1974 as a K-theory analogue of Stickelberger's Theorem and proven for K_2 for abelian number fields

of odd prime degree up to 2-torsion. In this talk we present recent results about the general situation of higher K-groups, arbitrary relative abelian extensions of number fields

of odd prime degree and all primes including 2. The most complete general results for all primes are due to R. Taleb, and in some more specific situations to Taleb and myself.