

L-functions of multi-quadratic extensions at $s = -1$ and annihilation of the tame kernel

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Summary: The Brumer-Stark conjecture on obtaining annihilators of class groups from the values of L-functions at $s = 0$ has a natural analog originating with Coates and Sinnott in which the class group is replaced by K_2 of the ring of integers and $s = 0$ is replaced by $s = -1$. We report on progress with Lloyd Simons towards proving this conjecture in the case of multi-quadratic extensions.