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Guido KINGS. Equivariant motivic Eisenstein classes and a generalization of the Damerell/Shimura/Katz theorem.

Wednesday, June 26, 2019 10:15 AM (1 hour)

(joint with J. Sprang).

Abstract: The equivariant polylogarithm allows to construct in a very general setting cohomology classes of arithmetic groups with values in motivic cohomology. Using the regulator to algebraic de Rham cohomology gives interesting algebraic Eisenstein classes. We use this theory to generalize the results of Damerell, Shimura and Katz on the algebraicity of special values of L-Funktionen for Hecke characters for CM fields K to the case of finite extensions L/K over CM fields K .