

CCSU
DEPARTMENT OF MATHEMATICAL SCIENCES

COLLOQUIUM

Friday, February 1
2:00 – 3:00 PM
Maria Sanford, Room 101

UNSTABLE ANALOGUES OF THE LICHTENBAUM-QUILLEN CONJECTURE

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Abstract

The Lichtenbaum-Quillen Conjecture (now implied by the Voevodsky-Rost Theorem) attempts to describe the algebraic K-theory of rings of integers in number fields in terms of much more accessible “etale models”. Suitable versions of the conjecture predict the cohomology of infinite general linear groups of rings of S-integers over suitable number fields. In this talk we survey an unstable version of this form of the conjecture and report on our joint work with Joshua Roberts.

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