

ALGEBRA AND NUMBER THEORY  
SEMINAR

*The Rost invariant for groups of type A*

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**Abstract:** We discuss an invariant due to Rost for torsors under simple simply connected groups with values in degree three Galois cohomology. We will explain how one can provide an exact formula to compute the Rost invariant of a torsor under the group  $SL_1(A)$  of norm 1 elements in a central simple algebra. This talk is based on a joint work with Philippe Gille.

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MATHEMATICS AND COMPUTER SCIENCE  
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