

abstract

SPECIAL TALK ON A^1 -HOMOTOPY THEORY AND ITS RECENT DEVELOPMENTS

Topic:

Speaker:

Affiliation:

Date:

Time/Room:

In this talk I will recall the statement of the Friedlander conjecture on the cohomology of a reductive group G and give a short recollection on known results. I will present a new approach which relies on the study of the A^1 homotopy type of the classifying space of the Suslin-Voevodsky construction on the group G . This approach allows us to prove the first complete cases of semi-simple groups: mainly SL_2 and SL_3 . We will explain the basic strategy of the proof of this result and how to potentially extend it to a complete proof of the conjecture.