

Séminaire de théorie des nombres

Le 17 mai 2010 à 14h

Pro-algebraic l-adic fundamental groups

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Résumé : The l-adic pro-algebraic fundamental group is the universal object classifying smooth l-adic sheaves. For smooth varieties in finite and mixed characteristics, the it is largely determined as a Galois representation by cohomology of semisimple local systems, and the same holds for big Malcev completions. There are also a pro-algebraic crystalline fundamental group and a non-abelian étale-crystalline comparison theorem.