

Étale Homotopy Theory and Application

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Abstract

We introduce the étale topology type constructed via rigid hypercoverings, and explain its role in anabelian geometry. A key application is a result of Schmidt and Stix, which characterizes isomorphisms of hyperbolic curves over fields finitely generated over the rational numbers in terms of their étale topology types.

List of Talks

- Talk 1 Simplicial schemes and their cohomologies
- Talk 2 Definition of the étale topology type for simplicial scheme
- Talk 3 The étale homotopy/cohomology groups of an étale topolog type
- Talk 4 Introduction to étale topological anabelian resutls

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