Séminaire de théorie des nombres

Le 13 juin à 14h

A naive construction of motivic tubular neighborhoods

Exposé de Marc Levine

Résumé : Works of Spitzweck, Voevodsky, Ayoub and Roendigs have defined operations giving in particular an algebraic version of the classical constructions of a tubular neighborhood, and a punctured tubular neighborhood. We give another construction of tubular neighborhoods and show how this allows one to define algebraic invariants of the stable moduli spaces of smooth curves, such as motivic cohomology or algebraic K-theory.