

Séminaire d'Algèbre, Topologie et Géométrie
Jeudi 28 Octobre à 13h45
Salle II

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Constanta

Title : *Which real candidate poles of expected order one of the Igusa local zeta function for curves are poles ?*

Abstract : We explore the real poles of expected order one of the Igusa local zeta function for curves and determine which one of them are poles and which are not. In 1990 (W. Veys, *On the poles of Igusa's local zeta function for curves*, J. London Math. Soc. 41 (1990), p.27-32), Willem Veys considered the real candidate poles for curves with "good reduction mod p " and almost all primes p . Our main improvement of his result is the fact that we pass from p big enough to any prime p .

This is a part of a joint work with Dirk Segers, Katholieke University of Leuven, Belgium.