



# THE WORLDWIDE CENTER OF MATHEMATICS

## Plane Curve Singularities and the Absolute Galois Group of $\mathbb{Q}$



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**Friday, January 27, 2012**

**Coffee, tea, cookies: 3:30pm**

**Talk: 4-5pm**

**929 Massachusetts Ave., Cambridge, Suite #102**

Abstract: We demonstrate how topological singularity invariants are the key to "seeing" geometry inside of fundamental groups of function fields of surfaces, and explain the relation to Grothendieck's program of Anabelian Geometry.

The Worldwide Center of Mathematics, [www.centerofmath.org](http://www.centerofmath.org), is located midway between Harvard and Central Squares, at 929 Massachusetts Avenue, Cambridge, MA, in Suite #102. Travel to the Center by public transportation is easy via the #1 bus, or by taking the subway (the T) to Central Square, and walking for 10 minutes. Suite #102 is located on floor 01, which is distinct from floor 1.

**All attendees will need to sign a release form, as the lecture will be recorded for distribution on the Web.**