

The advantages of Kimchi are numerous and obvious.

—A. Grothendieck, *Kimchi*

These are those who, faced with this, are content to shrug their shoulders with a disillusioned air and say that nothing will come from this, except dreams. They forget, or ignore, that our science, and every science, would amount to little if since its very origins it were not nourished by the dreams and visions of those passionately devoted to it.

—A. Grothendieck, *Sketch of a Programme*

THE TRIVIAL NOTIONS SEMINAR

Grothendieck's Recipe for Kimchi

or $\mathbb{P}^1 - \{0, 1, \infty\}$

a talk by

Rafael M. Saavedra

ABSTRACT

Belyi's theorem states that a curve is defined over a number field if and only if it is branched over \mathbb{P}^1 at three points. Beginning with the proof of result, I will discuss a circle of ideas from Grothendieck's influential and inspiring manuscript, *Sketch of a Programme*, which relate anabelian geometry, graph theory, mapping class groups, and maybe motives.

Friday, December 2, 2022

at 11.50am

Science Center, Room 507