

PMI Number Theory Reading seminar

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March 9 – June 29, 2017 every Thursday
5pm, Math.Bldg.404

Title

Etale cohomology of number fields

Abstract

The main goal of this series of lectures will be to present several types of duality in number theory using etale cohomology language. We will closely follow the paper, Notes on etale cohomology of number fields, by Mazur.

It will be helpful if you are familiar with algebraic number theory, group cohomology, and general sheaf cohomology theory (e.g. Chapter 3 of Hartshorne's book).

(Several useful references can be found in

<https://sites.google.com/site/hwajong/seminar>.)

If some of those are necessary during the lecture, I will take them for granted.

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