p-ADIC COHOMOLOGIES AND RECIPROCITY LAWS

Denis Benois (Bordeaux)

In the first part of this course, we give an overview of the computation of the p-adic cohomology of varieties over local fields using the theory of (φ, Γ)-modules, following Colmez and Nizioł. In the second part, we discuss applications of this theory to the problem of explicit reciprocity laws.

The schedule of this course is:

(1) March 12 at 11h, room 409.B in Omega building.
(2) March 19 at 10h, room 409.B in Omega building.
(3) April 9th at 10h, room 409.B in Omega building.
(4) April 16th at 10h, room 409.B in Omega building.
(5) April 23th at 10h, room 409.B in Omega building.