

Interpolation of Kato's Euler system

Speaker: Shanwen Wang
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Venue: Room 448, SCMS

Abstract: Using Kato's result on Iwasawa theory for modular form, Emerton's result on factorisation of completed cohomology and very fine properties of p -adic local Langlands correspondance, we show that the modular symbol $(0, \infty)$ can produce an explicit element which interpolates Kato's elements in a suitable sense, which serves as a building block for our study of the factorisation of Beilinson-Kato's element. We remark that, for the existence of such an interpolation, Nakamura has a different approach. This talk is based on a joint work with Pierre Colmez.