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Generalised perfectoid rings and perfectoid spaces

Thursday, June 26, 2014 3:30 PM (1 hour)

Scholze's theory of perfectoid rings and perfectoid spaces is rather recent, but it has already had some spectacular applications to étale cohomology, p -adic Hodge theory and p -adic representations. I will present a generalization of this theory that I am developing in collaboration with Ofer Gabber. I will also explain the questions that have led us to this generalization.

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Session Classification: Arithmetic geometry and Galois theory

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