

Oberwolfach Seminar: Perfectoid Spaces

Date: 16 October - 22 October 2016

Organizers:

- Rebecca Bellovin, London
- Brian Conrad, Stanford
- Kiran Kedlaya, San Diego
- Jared Weinstein, Boston

Programme: This seminar is an introduction to the theory of perfectoid fields. Topics will include:

- Perfectoid fields, and the tilting equivalence
- Banach algebras and perfectoid algebras
- Some almost ring theory
- An introduction to adic spaces
- Modular curves at infinite level

Recommended reading: Participants may find useful the notes from the Stanford seminar on perfectoid spaces, <http://math.stanford.edu/~conrad/Perfseminar>.

Deadline for applications: 14 August, 2016 (to seminars@mfo.de)