

Session 16, Effective Analytic Geometry over Complete Fields

Wednesday 18, Room 307

- 16:00–17:00 **Average bit length of initial points in linear homotopy polynomial solving**
Luis M. Pardo
- 17:30–18:30 **Solving linear differential equations in H-fields**
Lou van den Dries
- 18:30–19:30 **p-adic integration and exponential sums**
Raf Cluckers
- 19:30–20:00 **Discussion**

Thursday 19, Room 308

- 18:30–19:30 **A P-adic nullstellensatz**
Simon Kochen

Friday 20, Room 307

- 10:30–11:30 **Betti numbers of definable sets**
Andrei Gabrielov
- 11:30–12:30 **Analytic difference rings**
Thomas Scanlon
- 12:30–13:30 **Non-archimedean semi-analytic and subanalytic sets**
Leonard Lipshitz

Saturday 21, Room 308

- 08:30–09:00 **An introduction to ultrametric fewnomial theory**
J. Maurice Rojas
- 09:00–09:30 **Discussion**