

Workshop The geometry of the Frobenius automorphism

CIRM, 25 - 29 March 2013

Programme

Monday 25 March

- 9h: Elisabeth Bouscaren, Introduction: Statement of the theorem, link with model theory
- 10h45: Jean-Benoît Bost, Introduction: geometric versions of the main theorem
- 16h: Jean-Benoît Bost, Introduction: geometric versions of the main theorem (ctd)
- 17h15: Alice Medvedev, Very basic definitions in difference algebra and geometry

Tuesday 26 March

- 9h: Jean-Benoît Bost, *Introduction: difference schemes and the difference version of the main theorem*
- 10h45: Zoé Chatzidakis, *More basic difference algebra*
- 16h: Piotr Kowalski, *First upper bound lemma*
- 18h: Françoise Point, *Control of multiplicities*
- 20h30: François Loeser, *Applications*

Wednesday 27 March

- 9h: Immanuel Halupczok, *Valued difference fields*
- 10h30: William Johnson, *Analysability*
- 11h30: James Freitag, *Co-analysability and inertial dimension*
- Free afternoon
- 20h30: *Question session*

Thursday 28 March

- 9h: Tom Scanlon, *Structure of the proof*
- 10h: Martin Hils, *Key bound for transformal specialisations*
- 11h30: François Charles, *Basics on intersection theory*
- 16h: François Charles, *Moving lemma*
- 17h30: Jean-Benoît Bost, *Moving Lemma, the difference case*

Friday 29 March

- 9h: Damien Röessler, *The smooth projective separable case*
- 11h30: Tom Scanlon, *Putting everything together*
- 14h: Tom Scanlon, *Putting everything together (ctd)*