

"Ricci flow and the Poincaré Conjecture"
5.10.-11.10.2008
Programme

Monday 6 October

- 9:00 - 10:00 Burkhard Wilking: Geometry and topology of 3-manifolds
- 10:10 - 11:10 Thomas Schick: Topology of canonical neighbourhoods
- 11:20 - 12:20 Jürgen Eichhorn: Introduction to Ricciflow and basic example
Lunch
- 15:00 - 16:00 Adrian Hammerschmidt: Derivation of evolution equations
- 16:00 - 17:00 Discussion
- 17:00 - 18:00 Christian Bär: Maximum principles
- 18:00 - 18:30 Discussion

Tuesday 7. October

- 9:00 - 10:00 Christian Becker: Preserving curvature inequalities;
Hamilton-Ivey theorem
- 10:00 - 11:00 Discussion
- 11:00 - 12:00 Glen Wheeler, Shi's local estimates
- 12:00 - 12:30 Discussion
Lunch
- 15:00 - 16:00 Simon Blatt: Compactness theorems for Ricciflow
- 16:00 - 17:00 Discussion
- 17:00 - 18:00 Valentina Vulcanov: Perelman's ℓ - distance
- 18:00 - 18:30 Discussion

Wednesday 8. October

- 9:00 - 10:00 Valentina Vulcanov: Monotonicity of reduced volume;
local non-collapsing
- 10:00 - 11:00 Discussion
- 11:00 - 12:00 Oliver Schnürer: Properties of κ -solutions
- 12:00 - 12:30 Discussion
Lunch and Excursion

Thursday 9. October

- 9:00 - 10:00 Mario Listing: Bounded curvature at bounded distance
- 10:00 - 11:00 Discussion
- 11:00 - 12:00 Reto Müller: Standard solution
- Lunch
- 15:00 - 16:00 Sebastian Götte: Surgery
- 16:00 - 17:00 Discussion
- 17:00 - 18:00 Miles Simon: Canonical neighbourhood theorem
- 18:00 - 18:30 Discussion

Friday 10. October

- 9:00 - 10:00 Christoph Böhm: Non-accumulation of surgery times
- 10:00 - 11:00 Discussion
- 11:00 - 12:00 Florian Hanisch: Finite extinction time for simply connected 3-manifolds
- 12:00 - 12:30 Discussion
- Lunch
- 14.30 - 15:30 Klaus Ecker: Proof of the Poincaré conjecture