

Workshop on the Arithmetic of Curves

(Deformation Theory and Counting Points on Curves)

University of Stellenbosch, 29 – 31 January 2001

Venue: *Department of Mathematics, Van der Sterr Building, 3021*

Organizers: Barry Green, Arnold Keet

Monday 29 January:

9.30 - 10.30: *T. Sekiguchi*, On Deformations of Curves I

10.30 - 11.00: *Tea*

11.00 - 12.00: *R. Omar*, Modular curves over \mathbb{C}

14.30 - 15.30: *M. Knebusch*, Valuations and Prüfer extensions I

15.30 - 16.00: *Tea*

16.00 - 17.00: *P. Cherenack*, Deformations in Frölicher spaces and analogues in algebraic geometry

Tuesday 30 January:

9.30 - 10.30: *N. Suwa*, On Deformations of Curves II

10.30 - 11.00: *Tea*

11.00 - 12.00: *A. Keet*, Rigid analytic geometry: Application to Drinfeld modular curves

12.15 - 13.00: *M. Knebusch*, Valuations and Prüfer extensions II

14.30 - 15.30: *D. Balduzzi*, Geometric realization of representations of $\mathrm{GL}_n(\mathbb{C})$

15.30 - 16.00: *Tea*

16.00 - 17.00: *B. Green*, Liftings of galois covers of curves, group theoretic obstructions

Wednesday 31 January:

9.00 - 10.00: *T. Sekiguchi/N. Suwa*, On Deformations of Curves III

10.00 - 10.30: *Tea*

10.30 - 11.30: *M. Wild*, The asymptotic number of inequivalent binary codes

11.45 - 12.45: *To be announced*

14.00 - 17.30: *Outing*

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