WORKSHOP ON DIOPHANTINE PROBLEMS

19. – 20. Mai 2014, TU Graz

Monday, May 19 2014 (HS AE01 = Steyrergasse 30/EG, SR A306 = Steyrergasse 30/III)

Eröffnung durch O. Unvi.-Prof. Dr. Robert Tichy

<u>11.00, HS AE01:</u>   Andrej Dujella (Univ. Zagreb) – Root separation for integer polynomials.

<u>11.45, HS AE01:</u>   Clemens Fuchs (Univ. Salzburg) – Siegel's theorem after Siegel's proof.

Lunch break

<u>14.00, SR A306:</u>   Dijana Kreso (TU Graz) – Invariants of rational function decomposition.

<u>14.30, SR A306:</u>   Daniel Krenn (TU Graz) – Partitions and Compositions into Powers of b.

Coffee break

<u>15.30, SR A306:</u>   Davide Lombardo (Univ. Paris Sud) – An explicit form of Serre´s open image theorem.

<u>16.30, SR A306:</u>   Poj Lertchoosakul (Polish Acad. Sci.) – On the metric Diophantine approximation in positive characteristic.

18.30 Dinner

Tuesday, May 20 2014 (SR C208 = Steyrergasse 30/II)

<u>10.00, SR C208:</u>   Oriol Serra (Univ. Barcelona) – Algebraic Removal Lemma.

<u>11.00, SR C208:</u>   Volker Ziegler (RICAM Linz) – On the corner avoidance of Halton sequences.

<u>11.45, SR C208:</u>   Attila Bérczes (Univ. Debrecen) – Effective results for Diophantine equation over finitely generated domains.

12.30 Lunch break

<u>14.00, SR C208:</u>   Roland Paulin (Univ. Salzburg) – An explicit Andre-Oort type result for $P^1(C) \times G_m(C)$.

<u>14.30, SR C208:</u>   Mingxi Wang (Univ. Salzburg) – Integral points on algebraic varieties attached to coverings.

15.00 Coffee break

<u>15.30, SR C208:</u>   Francesco Veneziano (TU Graz) – Bounds for the greatest common divisor between values of certain exponential sequences.

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