

FRONTIERS OF NEVANLINNA THEORY 4

Nevanlinna theory and number theory

University College London, 18–20 June 2012

PROGRAMME

Monday, 18th June 2012

10:00–10:50: Paul Vojta (University of California at Berkeley, USA)

On a possible Dyson lemma for products of arbitrary curves

10:50–11:20: *Coffee/tea*

11:20–12:10: Junjiro Noguchi (University of Tokyo, Japan)

Lemma on logarithmic differentials and some related topics

12:10–14:00: *Lunch*

14:00–14:50: Gordon Heier (University of Houston, USA)

On uniformly effective birationality and the Shafarevich Conjecture over curves

14:50–15:40: Patrick, Tuen Wai Ng (University of Hong Kong)

Chebyshev-Blaschke products

15:40–16:10: *Coffee/tea*

16:10–17:00: Alexandre Eremenko (Purdue University, USA)

Brody curves omitting hyperplanes

Tuesday, 19th June 2012

10:00–10:50: Yum-Tong Siu (Harvard University, USA)

Explicit construction of jet differentials in hyperbolicity problem

10:50–11:20: *Coffee/tea*

11:20–12:10: Yik Man Chiang (Hong Kong University of Science and Technology)

Difference Nevanlinna theories arising from special functions

12:10–14:00: *Lunch*

14:00–14:50: Davide Masoero (Univerdade de Lisboa, Portugal)

Poles of solutions of Painlevé I and Belyi functions

14:50–15:40: Grigor Barsegian (National Academy of Sciences of Armenia)

On some general properties of meromorphic functions

15:40–16:10: *Coffee/tea*

16:10–17:00: Joseph Silverman (Brown University, USA)

Quasi-integral points in orbits

Wednesday, 20th June 2012

10:00–10:50: Walter Hayman (Imperial College, UK)
Waring's Theorem and the super Fermat problem

10:50–11:20: *Coffee/tea*

11:20–12:10: Aaron Levin (Michigan State University, USA)
Towards Schmidt's Theorem for algebraic points of bounded degree

12:10–14:00: *Lunch*

14:00–14:50: Detta Dickinson (National University of Ireland at Maynooth)
Diophantine approximation on polynomial curves

14:50–15:40: Zhuan Ye (Northern Illinois University, USA)
Analytic properties of the Hasse-Weil L-function

15:40–16:10: *Coffee/tea*

All talks will be in room 500 in the Department of Mathematics at University College London
(25 Gordon Street — use the set of lifts towards the back of the building).