

Preliminary version
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FOCUSED WEEK ON QUADRATIC FORMS AND THETA FUNCTIONS

March 22 – 26, 2010

University of Florida, Gainesville, FL 32611

SCHEDULE

Location. All lectures are in Little Hall Room 339 (The Atrium) except for that The Ramanujan Colloquium (Wednesday, 4:00pm) which will be held in FAB 103.

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Monday, March 22, 2010

3:00 - 3:50PM

Bruce Berndt, University of Illinois

The Circle Problem, The Divisor Problem, and Two Bessel Series Expansions in Ramanujan's Lost Notebook

4:05 - 4:55PM

Michael Schlosser, University of Vienna, Austria

Special Commutation Relations and Combinatorial Identities

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Tuesday, March 23, 2010

9:35 - 10:25AM

Atul Dixit, University of Illinois

Transformation Formulas Associated with Integrals Involving the Riemann Xi Function

12:50 - 1:40PM

William Jagy, MSRI Berkeley

Ternary Quadratic Forms

4:05 - 4:55PM

Steve Milne, Ohio State University

Sums of Squares, Schur Functions, and Multiple basic Hypergeometric Series

7:00PM - 9:00PM

DINNER at the Hilton

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Wednesday, March 24, 2010

9:00AM

OUTING trip to Payne's Prairie

3:00 - 3:30PM

Bruce Berndt, University of Illinois

Questions about Four Sets of Problems from Ramanujan's Lost Notebook

4:00 - 4:55PM

Kannan Soundararajan, Stanford University

Quantum Unique Ergodicity and Number Theory

8:00PM - 10:00PM

PARTY at the home of Krishna and Mathura Alladi

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Thursday, March 25, 2010

9:35 - 10:25AM

Sun Kim, University of Illinois

Proof of Ramanujan's Second Bessel Function Identity

10:40 - 11:30AM

Kannan Soundararajan, Stanford University

Mean Values of Multiplicative Functions and Applications

1:55 - 2:45PM

Byungchan Kim, University of Illinois

Asymptotic Formulas for Some Theta Functions

3:00 - 3:50PM

Brandt Kronholm, SUNY at Albany

Generalized Ramanujan Congruence Properties of the Restricted Partition Function $p(n, m)$

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Friday, March 26, 2010

9:35 - 10:25AM

George Andrews, Pennsylvania State University

New Aspects of False Theta Functions

10:40 - 11:40AM

Kannan Soundararajan, Stanford University

The Distribution of Values of zeta and L-Functions

3:00 - 3:50PM

Roger Baker, Brigham Young University

Asymptotic Formulas for Positive Definite Quadratic Forms