



Der Wissenschaftsfonds.



SFB Mentoring – Workshop no. 3

Professor Vitaly Bergelson (Ohio State University): Dynamical systems in number theory

March 13–17, 2017

Dept. of Mathematics, University of Salzburg, Austria

Professor Vitaly Bergelson will give a workshop about the basic concepts and applications of the theory of dynamical systems and ergodic theory to number theory. He is one of the leading experts in this field, with over 100 refereed publications on these topics.

In order to prepare for this workshop, the following literature is recommended:

1. Chapters 1 and 3 in Harry Furstenberg's book "Recurrence in Ergodic Theory and Combinatorial Number Theory".
2. From the book "An Introduction to Ergodic Theory" by Peter Walters: Chapter 0, Sections 0.1 through 0.8, Chapter 1, Chapter 3, Chapter 5: Sections 5.1 and 5.2, and Chapter 6.

Venue: Department of Mathematics, University of Salzburg, Hellbrunnerstrasse 34, 5020 Salzburg. Tel.: +43 662 8044 ext. 5310 or ext. 5300

Organizer: Peter Hellekalek, University of Salzburg

Registration: Limited number of places! Please register as soon as possible by email with Mrs. Beatrice Haring: beatrice.haring@sbg.ac.at

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