

SCMS Seminar



EFFECTIVE COUNTING OF SADDLE CONNECTIONS

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Lecture

Time: 4:30-5:30 pm., Monday, Mar. 5, 2018

Venue: Room 2201, East Main Guanghua Tower, Handan Campus

Abstract: In 1998, Veech introduced the concept of Siegel measures, which can be utilised to obtain counting statements of holonomy vectors of saddle connection on a generic translation surface under assumption of a spectral gap of the SL_2 action and L^2 -integrability of what is now called Siegel-Veech transform. Eskin-Masur showed pointwise asymptotic without the full knowledge of these properties. Combining both works, one may also read of a polynomial error term. (joint with Amos Nevo and Barak Weiss)