

abstract

Analysis Seminar
Topic:

Speaker:

Affiliation:

Date:

Time/Room:

I shall explain the structure of correlation functions for square-free numbers and describe a 'natural' dynamical system associated to them. Spectral analysis allows us to show that this system is metrically isomorphic to a translation on a compact abelian group, and this fact has a number of dynamical consequences. These results are closely related to the recent work by P. Sarnak on the "Möbius randomness law". Joint work with Ya.G. Sinai.