

Mathematical Colloquia

Monday, 23 September 2024

17:15 h, lecture room B6 (ExWi)

Prof. Dr. Florian Richter, EPFL

Multiplicative Number Theory from a dynamical perspective

Abstract : Multiplicative number theory is the study of prime numbers, factorizations, divisors, and other basic mathematical concepts related to the multiplicative structure of the integers. The focus of this lecture lies on some of the newly emerging interfaces between multiplicative number theory and ergodic theory, which has led to significant advancements in recent years. We will provide an overview of the latest developments and explore some of the new methods and applications that have emerged.