

**Diophantine Approximation, Fractal Geometry and Related topics /  
Approximation diophantienne, géométrie fractale et sujets connexes**

ID de Contribution: **1**

Type: **Non spécifié**

## **Victor Beresnevich**

*lundi 3 juin 2024 09:30 (1 heure)*

Khintchine's Theorem - one hundred years on!

Khintchine's Theorem (1924) on rational approximations to real numbers is one of the most beautiful applications of the Borel-Cantelli lemma outside of probability theory. In this talk I will discuss problems and progress concerning inhomogeneous generalisations of this classical result, including the Duffin-Schaeffer Conjecture in the inhomogeneous setting. This is a joint work with Manuel Hauke and Sanju Velani.