

Sasha SKRIPCHENKO

Title: Arnoux - Rauzy Interval Exchange Transformations: yesterday, today, tomorrow

When Pierre Arnoux and Gérard Rauzy introduced in 1991 their special family of interval exchange transformations, they barely could predict its destiny: this rather simple object became a very powerful tool to bring together specialists in different areas of mathematics, including symbolic dynamics, ergodic theory, low-dimensional topology, geometric group theory, number theory and even physics of metals (no finance up to now!). In my talk I will try to tell you what exactly happened and also outline a few challenging questions that still remain open.