Frontiers of Mathematics Lecture
Joint Moments

Abstract

Professor Keating will discuss the evaluation of the joint moments of the characteristic polynomials of random unitary matrices and their derivatives, and in this context the joint moments of the Riemann zeta-function and its derivates, on the critical line.

Biography

Professor Jon Keating is a mathematical physicist who is renowned for his contributions to quantum chaos, random matrix theory and connections with number theory.

Professor Keating is the Sedleian Professor of Natural Philosophy at the University of Oxford. He was elected a Fellow of the Royal Society in 2009 and is a former EPSRC Senior Research Fellow. He was awarded the London Mathematical Society's Fölich Prize in 2010, a Royal Society Leverhulme Senior Research Fellowship in 2014, a Royal Society Wolfson Research Merit Award in 2014, and an ERC Advanced Grant in 2018.

He is currently the treasurer and Vice-President of the Royal Society.

Professor Jon Keating
Sedleian Professor of Natural Philosophy
University of Oxford

Date :
May 30, 2024 (Thursday)

Time :
5:00 – 6:00pm
(Tea Reception starts at 4:30 pm)

Venue :
Lecture Theatre C, LG1/F,
Chow Yei Ching Building,
The University of Hong Kong

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