



Colloquium

Numbers, polynomials and randomness

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ISTA

Host: Tamas Hausel

The basic tension between addition and multiplication has kept humans interested in integers for millennia. It is hardly surprising that prime numbers, the so-called atoms of arithmetic, lie at the heart of several schemes to detect or communicate with distant civilisations. There are many interesting sequences of integers that reflect the behaviour of primes in one way or another. In this colloquium I'll talk about some special sequences drawn from the set $\{-1, +1\}$ and recent attempts to identify randomness in them. I'll also discuss how similar ideas yield insight into basic questions about the existence of integer solutions to random polynomial equations. This talk will be accessible to non-mathematicians.

Monday, March 6, 2023 11:30am - 12:30pm

Raiffeisen Lecture Hall



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station.

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<https://ista.ac.at/en/campus/how-to-get-here/> The ISTA Shuttle bus is marked ISTA Shuttle (#142) and has the Institute Logo printed on the side.