



Seminar/Talk

The Alon-Jaeger-Tarsi conjecture via group ring identities

Péter Pál Pach

Renyi Institute

Host: Matthew Kwan and Uli Wagner

Abstract: The Alon-Jaeger-Tarsi conjecture states that for any finite field F of size at least 4 and any nonsingular matrix A over F there exists a vector x such that neither x nor Ax has a 0 component. In this talk we discuss the proof of this result for $|F| > 79$ and further applications of our method about coset covers and additive bases. Joint work with János Nagy and István Tomon.

Tuesday, May 19, 2026 03:00pm - 06:00pm

Raiffeisen Lecture Hall, Central Building



This invitation is valid as a ticket for the ISTA Shuttle from and to Heiligenstadt Station. Please find a schedule of the ISTA Shuttle on our webpage: <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.

www.ista.ac.at | Institute of Science and Technology Austria | Am Campus 1 | 3400 Klosterneuburg