Analysis Seminar

Title: An additive application of the resonance method

Speaker: Athanasios Soumerlidis (CNRS, Université de Lille)

Date: Tue 3rd February 2026 at 3:00PM

Location: E0.32 (beside Pi restaurant)

Abstract: In this talk I will describe a way to implement the so-called resonance method in analytic number theory to a more general setting of problems related to the extremal behavior of trigonometric polynomials. This extension of the method not only produces improved extreme results wherever Dirichelt's approximation theorem has been usually employed but it also highlights its connection to Bohr's and Jessen's proof of Kronecker's approximation theorem.

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