Analysis Seminar

Title: How to split a tera-polynomial

Speaker: Nicolae Mihalache (Université Paris-Est)

Date: Thu 21st November 2024 at 2:00PM

Location: E0.32 (beside Pi restaurant)

Abstract: I will present a short proof of the fundamental theorem of algebra and explain its relation to a new algorithm we developed to find all roots of certain high degree polynomials. This algorithm works unusually well and enabled us to factorise polynomials of degree up to $10^12. The polynomials of interest are related to the Mandelbrot set.$

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