



Analysis Seminar

Title: Polynomials and Holomorphic Functions on Complex Banach Lattices

Speaker: Nina Snigireva (University of Galway)

Date: Tue 28th November 2023 at 3:00PM

Location: E0.32 (beside Pi restaurant)

Abstract: We will first define regular m -homogeneous polynomials on complex Banach lattices and consider their properties. We will then discuss power series of regular polynomials and introduce the concept of regular convergence. In particular, we will focus on the domain of convergence of such power series. This will lead us to the discussion of regular holomorphic functions and radius of regular convergence which is in general smaller than the radius of convergence.

This is joint work with C. Boyd and R. Ryan

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