



Analysis Seminar

Title: Properties of Abel universal functions II: boundary behaviour

Speaker: Konstantinos Maronikolakis

Date: Tue 31st October 2023 at 3:00PM

Location: E0.32 (beside Pi restaurant)

Abstract: A holomorphic function on the unit disc \mathbb{D} is called Abel universal if the family of its dilates is dense in the space of continuous functions on K , for any proper compact subset K of the unit circle. It has been recently shown that the class of Abel universal functions is residual in the space of holomorphic functions on \mathbb{D} . In this talk, I will discuss a wide range of boundary properties of Abel universal functions such as local growth, existence of Picard points and asymptotic values. Moreover, I will make comparisons with other well-known classes of holomorphic functions. (Joint work with Stéphane Charpentier and Myrto Manolaki)

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