

Wild boundary behaviour of holomorphic functions in domains of \mathbb{C}^N .

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Talk given at Seminar on Complex Analysis,
meeting 2286, November 30, 2020

Let D be a domain in \mathbb{C}^N and denote by $\mathcal{O}(D)$ the space of holomorphic functions in D . We present two results confirming that the boundary behaviour of a "generic" function holomorphic in $\mathcal{O}(D)$ is rather wild. For example, we prove that "generically" any function f holomorphic in a pseudoconvex domain has a maximal cluster set along any finite length path to the boundary. This relies on the recent construction of "labyrinth" in such domains. (Joint work with Łukasz Kosiński).