



Analysis Seminar

Title: Inner iteration of holomorphic functions on hyperbolic domains

Speaker: M. Mackey

Date: Tue 5th December 2017 at 4:15PM

Location: SCN 125

Abstract: If (f_n) is a sequence of holomorphic self-maps of a domain then the associated inner iterated function system is (F_n) where $F_n = f_1 \circ \cdots \circ f_n$. We survey results of Gill, Lorentzen, Beardon et al., Keen and Lakic, and Bracci concerning the convergence of such systems, focusing (in the spirit of the Denjoy-Wolff theorem) on conditions which guarantee that limit points are constant.