
PAUL GAUTHIER, Université de Montréal

A characterization of non-tangential cluster sets for holomorphic functions $f : D \rightarrow D$.

For a holomorphic function in the unit disc, denote the non-tangential (=angular) cluster set as $C_{NT}(f, 1)$. Harald Woracek asked for a description (other than the definition) of sets A , for which $A = C_{NT}(f, 1)$, for some holomorphic function in the unit disc and bounded by 1. We characterize such sets as the union of a countable increasing sequence of continua in the closed disc.