



FS

sequence of nonnegative real numbers and assume that (F_n) is a FIFS on \mathbb{C} and (a_n) is a sequence of non negative real numbers. Then the Julia set corresponds to (a_n)

$$\mathcal{J}_c^{(a_n)} = \{z \in \mathbb{C} \mid (F_n^{a_n}) \text{ is not normal}\}$$

Let (F_n) be a FIFS on \mathbb{C} and (a_n) is a sequence of non negative real numbers. Let $k \in \mathbb{N}$ such that $a_n \in S_c(n+k) \forall n \geq N$. Let $h_{c,z} : \mathbb{R}^+ \cup \{0\} \rightarrow \mathbb{C}$ defined as $h_{c,z}(t) = F_c^t(z)$ are analytic. And $h_{c,z} \in \mathcal{H}_c$. And $h_{c,z}$ is analytic.

$$\mathcal{J}_c^{(a_n)} = \mathcal{J}_c$$

