Correction to "Semihyperbolic transcendental semigroups"

(This Journal Vol. 40, No. 2, 2000, 205-216)

Ву

Hartje Kriete and Hiroki Sumi

Page 208.

A.2 in Theorem 2 in [KS] should be replaced by the following:

"there exist some neighborhood U_2 of z_0 and some positive real number $\tilde{\varepsilon}$ such that the set

$$\mathscr{T} := \{ (c, \lambda) \in \mathbb{C} \times \Lambda \mid c \in C(f_{\lambda}), \ G^*(f_{\lambda}(c)) \cap U_2 \neq \emptyset \}$$

is finite and for each $(c, \lambda) \in \mathscr{T}$ we have

$$\chi(c,\ \overline{G^*(f_\lambda(c))\setminus\{c\}})\geq \tilde\varepsilon>0,"$$

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References

[KS] H. Kriete and H. Sumi, Semihyperbolic transcendental semigroups, J. Math. Kyoto Univ. 40-2 (2000), 205–216.