SIMILARITY RESULTS FOR OPERATORS
OF CLASS $C_0$ AND THE ALGEBRA $H^\infty(T)$

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Abstract. Given two multiplicity-free operators $T_1$ and $T_2$ of class $C_0$ having the same finite Blaschke product as minimal function, the operator algebras $H^\infty(T_1)$ and $H^\infty(T_2)$ are isomorphic and $T_1$ is similar to $T_2$. We find conditions under which the norm of the similarity between the operators can be controlled by the norm of the algebra isomorphism. As an application, we improve upon earlier work and obtain results regarding similarity when the minimal function is an infinite product of finite Blaschke products satisfying the generalized Carleson condition.

Keywords and phrases: Operators of class $C_0$, similarity.

REFERENCES