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COMPACT WEIGHTED COMPOSITION OPERATORS ON FUNCTION SPACES ON LOCALLY CONNECTED SETS

Abstract

Let X be a locally connected compact metric space and $C(X)$ denote the space of all continuous complex-valued functions on X equipped with sup-norm. In this paper we investigate compactness of weighted composition operators on a uniformly closed subspaces of $C(X)$ and give as some applications compactness criterion on uniform algebras.