
William T. Ross and Harold S. Shapiro

Prolongations and Cyclic Vectors

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Abstract. For functions belonging to invariant subspaces of the backward shift operator $Bf := (f - f(0))/z$ on spaces of analytic functions on the unit disk \mathbb{D} , we explore, in a systematic way, the continuation properties of these functions.

Keywords. Backward shift operator, analytic continuation, pseudocontinuation.

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