

New Characterizations of the Weighted Composition Operators Between Bloch Type Spaces in the Polydisk

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Abstract. We give some new characterizations for compactness of weighted composition operators uC_φ acting on Bloch-type spaces in terms of the power of the components of φ , where φ is a holomorphic self-map of the polydisk \mathbb{D}^n , thus generalizing the results obtained by Hyvärinen and Lindström in 2012.