

The essential norm of a composition operator mapping into Q_K type spaces*

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Abstract. An asymptotic formula for the essential norm of the composition operator $C_\varphi(f) := f \circ \varphi$, induced by an analytic self-map φ of the unit disc, mapping from the α -Bloch space \mathcal{B}^α or the Dirichlet type space \mathcal{D}_α^p into $Q_K(p, q)$ is established in terms of an integral condition.

1. Introduction

Every analytic self-map φ of the unit disc \mathbb{D} induces the composition operator $C_\varphi(f) := f \circ \varphi$ acting on the space of all analytic functions in \mathbb{D} . Composition operators in spaces of analytic functions have been actively

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