CERTAIN DISTANCE ESTIMATES FOR OPERATORS ON THE BERGMAN SPACE

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ABSTRACT. Let $\mathbb{D}$ be the open unit disk with its boundary $\partial\mathbb{D}$ in the complex plane $\mathbb{C}$ and $dA(z) = \frac{1}{\pi}dxdy$, the normalized area measure on $\mathbb{D}$. Let $L_a^2(\mathbb{D}, dA)$ be the Bergman space consisting of analytic functions on $\mathbb{D}$ that are also in $L^2(\mathbb{D}, dA)$. In this paper we obtain certain distance estimates for bounded linear operators defined on the Bergman space.

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