

عنوان مقاله:

On the reduced minimum modulus of multiplication operators

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خلاصه مقاله:

In this paper, we investigate the properties of the reduced minimum modulus in the context of Banach spaces. Given a Banach space X , we denote the algebra of bounded operators on X as $B(X)$. Our primary focus is on examining the relationship between the reduced minimum modulus of a given operator $T \in B(X)$ and its associated left and right multiplication operators, denoted by $L_T: S \mapsto TS$ and $R_T: S \mapsto ST$, respectively. By analyzing these relationships, we present a comprehensive analysis of their properties and derive novel results concerning the reduced minimum modulus of L_T and R_T .

کلمات کلیدی:

closed range operator, Reduced minimum modulus, Multiplication operator

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