SOME BANACH ALGEBRA PROPERTIES IN THE CARTESIAN PRODUCT OF BANACH ALGEBRAS

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Dedicated to Professor T. Ando with respect

Communicated by M. S. Moslehian

ABSTRACT. For semisimple, commutative Banach algebras $\mathcal{A}$ and $\mathcal{B}$, some Banach algebra properties of the Cartesin product $\mathcal{A} \times \mathcal{B}$ are characterized in terms of $\mathcal{A}$ and $\mathcal{B}$. A couple of results are also proved for non-commutative Banach algebras.

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