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Strongly (O) - bounded operators and Daniell vector integral

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Abstract : In this paper we introduce the definition of the strongly (o) - bounded operators and the relation between them and the Daniell vector integral . We prove that if $T(L,Y)$ is the space of the strongly (o) - bounded operators and $R(L,Y)$ is the space of the regular operators , then $T(L,Y)$ is a band in $R(L,Y)$. We also prove that any linear and positive operator defined on a special reunion of Banach spaces with values in a space of the type (A M)) is strongly (o) - bounded .
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