

## SOME INEQUALITIES ON POWER BOUNDED OPERATORS ACTING ON LOCALLY CONVEX SPACES

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*Abstract.* In this paper are presented some evaluations regarding characterizations of power boundedness of an operator from  $\mathcal{B}_{\mathcal{P}}(X)$  algebra. This represents a generalization from the Banach spaces framework to the locally convex spaces where the operators acting on them are universally bounded. The authors extend some Ritt type theorems according to Kreiss conditions in the context of  $\mathcal{B}_{\mathcal{P}}(X)$  algebra.

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