

Maximal dominated operator semigroups

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In 1997 Košir, Omladič and Radjavi considered a multiplicative semigroup of complex matrices which is maximal among semigroups with the property that the absolute value of each entry of any matrix in the semigroup is at most 1. They proved that any such semigroup is the semigroup of all contractions with respect to some operator norm. We extend their result to infinite-dimensional vector spaces.