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ERGODIC RESULTS FOR CESÀRO BOUNDED OPERATORS

Let T be a linear bounded operator on a Banach space. It is said to be that T is Cesàro bounded if its means $\frac{1}{n+1} \sum_{j=0}^n T^j$ are uniformly bounded on $\mathcal{B}(X)$. This concept extends to the power-boundedness and, in the last years, some authors have considered the analogous for the fractional order means.

In this talk, I will present ergodic results of the orbits and means of Cesàro bounded operators. Also, I will show examples, some specific techniques and tools needed to face the mentioned results, and the sketch of some proofs.