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 ${\bf Title:}\ {\bf Tauberian}\ {\bf type}\ {\bf conditions}\ {\bf for}\ {\bf Cesaro}\ {\bf means}\ {\bf of}\ {\bf operators}$

Abstract: New growth conditions on the Cesaro means are investigated for Banach space operators with peripheral spectrum reduced to 1. Certain results concerning the powers of such an operator with Cesaro boundedness conditions are obtained. The uniform and strong convergence of differences of consecutive Cesaro means is studied, and several examples presented are related to these results