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Ruhan Zhao* (rzhao@brockport.edu), Department of Mathematics, College at Brockport,
SUNY, Brockport, NY 14420. *Generalization of Schur's test and its application.*

We generalize the classical Schur's test to the boundedness of integral operators from L^p to L^q spaces equipped with different measures, for $1 \leq p \leq q < \infty$. As an application, we determine exactly when a class of integral operators are bounded between different weighted L^p spaces on the unit ball of \mathbb{C}^n . (Received September 20, 2011)