# On Weakly Compact Operators

by
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**Abstract**

In this paper for a finite, complete and positive measure space $(\Omega, \Sigma, \mu)$ and Banach spaces X and Y over the real or complex field, mappings U from $\Omega$ into W(X,Y), the space of weakly compact operators from X to Y, are considered. It is shown, if U is strongly integrable and uniformly norm bounded, that the integral operator $\int_\Omega U(\omega)(\cdot)d\mu(\omega)$ is again weakly compact.