

# Weak Sequential Completeness of $\mathcal{K}(X, Y)$

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*Abstract.* For Banach spaces  $X$  and  $Y$ , we show that if  $X^*$  and  $Y$  are weakly sequentially complete and every weakly compact operator from  $X$  to  $Y$  is compact then the space of all compact operators from  $X$  to  $Y$  is weakly sequentially complete. The converse is also true if, in addition, either  $X^*$  or  $Y$  has the bounded compact approximation property.