

**ABSTRACT.** We study the extension of linear operators with range in a  $\mathcal{C}(K)$ -space, comparing and contrasting our results with the corresponding results for the nonlinear problem of extending Lipschitz maps with values in a  $\mathcal{C}(K)$ -space. We give necessary and sufficient conditions on a separable Banach space  $X$  which ensure that every operator  $T : E \rightarrow \mathcal{C}(K)$  defined on a subspace may be extended to an operator  $\tilde{T} : X \rightarrow \mathcal{C}(K)$  with  $\|\tilde{T}\| \leq (1 + \epsilon)\|T\|$  (for any  $\epsilon > 0$ ). Based on these we give new examples of such spaces (including all Orlicz sequence spaces with separable dual for a certain equivalent norm). We answer a question of Johnson and Zippin by showing that if  $E$  is a weak\*-closed subspace of  $\ell_1$  then every operator  $T : E \rightarrow \mathcal{C}(K)$  can be extended to an operator  $\tilde{T} : \ell_1 \rightarrow \mathcal{C}(K)$  with  $\|\tilde{T}\| \leq (1 + \epsilon)\|T\|$ . We then show that  $\ell_1$  has a universal extension property: if  $X$  is a separable Banach space containing  $\ell_1$  then any operator  $T : \ell_1 \rightarrow \mathcal{C}(K)$  can be extended to an operator  $\tilde{T} : X \rightarrow \mathcal{C}(K)$  with  $\|\tilde{T}\| \leq (1 + \epsilon)\|T\|$ ; this answers a question of Speegle.