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**Nigel J. Kalton\*** ([nigel@math.missouri.edu](mailto:nigel@math.missouri.edu)), Department of Mathematics, University of Missouri, Columbia, MO 65211. *Extending Lipschitz maps into  $C(K)$ -spaces.*

If  $K$  is compact metric then  $C(K)$  is an absolute Lipschitz retract (Lindenstrauss 1964). We show that the correct constant in Lindenstrauss's theorem is 2 and then study the precise extension constant for a fixed metric space  $M$ , following up work by Lancien and Randrianantoanina. Our techniques allow us to answer a recent question of Naor on the relationship between Lipschitz and Holder extension constants. (Received August 15, 2005)