Title: Diameter preserving linear bijections of $C_0(X)$

Author(s): Máté Győry

The purpose of this paper is to solve a linear preserver problem on the function algebra $C_0(X)$. In [GyM], we determined all diameter preserving linear bijections of $C(X)$ in the case when X is a first countable compact Hausdorff space. In this paper we generalize this result to the case of first countable locally compact Hausdorff spaces.

Address:
Máté Győry
Institute of Mathematics
Lajos Kossuth University
H-4010 Debrecen, P.O. Box 12
Hungary
E-mail: gyorym@math.klte.hu