Title: Non-linear commutativity preserving maps on symmetric matrices

Author(s): Ajda Fošner

We study bijective maps on the set of all symmetric matrices in $M_n(\mathbb{C})$, $n \geq 3$, that preserve commutativity in both directions.

Address:
Ajda Fošner
Department of Mathematics and Computer Science
Faculty of Natural Sciences and Mathematics
University of Maribor
Koroška cesta 160
SI-2000 Maribor
Slovenia
E-mail: ajda.fosner@uni-mb.si