Title: Self-stabilization in certain infinite-dimensional matrix algebras

Author(s): Gyula Lakos

Analytical tools to $K$-theory; namely, self-stabilization of rapidly decreasing matrices, linearization of cyclic loops, and the contractibility of the pointed stable Toeplitz algebra are discussed in terms of concrete formulas. Adaptation to the $*$-algebra and finite perturbation categories is also considered. The finite linearizability of algebraically finite cyclic loops is demonstrated.

Address:
Gyula Lakos
Department of Geometry
Eötvös University
Pázmány Péter s. 1/C
Budapest, H–1117
Hungary