Krystyna Kuperberg

(Auburn University)

Shape theory applications to continuous dynamical systems

Shape theory, introduced by Karol Borsuk in the late 1960's, was a very geometric and intuitive approach to Vietoris-type homotopy theory. It is especially suitable to study properties of invariant sets in continuous dynamical systems. We concentrate on the notions of movability, other UV-type properties, and shape of minimal sets in continuous dynamical systems.

This talk will include memories of meetings with Andrzej Granas many years ago in Warsaw at the IMPAN seminar conducted by Karol Borsuk and Kazimierz Kuratowski, somewhat later participating in a seminar in Gdańsk conducted by Granas together with Kazimierz Gęba, as well as conversations at many conferences.