

Cauty's Topologically Exotic Metric Linear Space

Speaker: Dr. Jerzy Mogilski

Abstract: We will talk about Cauty's construction of a metric linear space which does not have the extension property for continuous maps. This space is obtained by selecting a certain metric in the free topological vector space over the infinite-dimensional compactum which is a cell-like image of the seven-dimensional sphere. The existence of such compactum follows from the work of R. D. Edwards, A. Dranishnikov and J. Walsh and we will talk about it very briefly. We will rather present the concept and applications of free topological vector space in the most detailed and accessible way.

Talk time: 2:00-3:00PM,
October 25, Friday
Room: BLHSB 1.316 and
in zoom link



Coffee and
cookies will
be provided

For further information or for special accommodations, please contact Dr. Alexey Glazyrin via email alexey.glazyrin@utrgv.edu. More information about the seminar talks is available at the website: [website link!](#)