SEMINARIO
"PROFESOR FÉLIX MONDÉJAR"
DPTO. DE MATEMÁTICA APLICADA Y ESTADÍSTICA

CONFERENCIA

"Differentiable periodic point free dynamical systems with vanishing derivative everywhere"

PONENTE: **JIRI KUPKA**

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FECHA : **MIÉRCOLES, 29 DE NOVIEMBRE**

HORA: **17:00h.**

LUGAR: **Despacho B028 de I+D+I del DMAE-P. Baja-C. Muralla**

ABSTRACT:

Motivated by a recent result of Ciesielski and Jasiński we study periodic point free Cantor systems that are conjugate to systems with vanishing derivative everywhere, and more generally locally radially shrinking maps. Our study uncovers a whole spectrum of dynamical behaviors attainable for such systems, providing new counterexamples to the Conjecture of Edrei from 1952, first disproved by Williams in 1954. (Joint work with J. Boronski and P. Oprocha.)