SEMINARIO DE MATEMÁTICA APLICADA

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Integrability of dynamical systems: overview of main techniques with emphasis on the Darboux Theory of Integrability.

The first part of the talk is a survey on the main techniques of integrability for polynomial vector fields on $\mathbb{R}$. Then we provide new results about application of the Darboux Theory of Integrability on systems of type Lotka-Volterra and on polynomial vector fields defined on S . These results come from my collaboration with Professors Jaume Llibre and Antonio E. Teruel.

Fecha: Miércoles, 30 de mayo
Hora: 11:00h
Lugar: Aula 209, seminario Alberto Dou
Facultad de CC Matemáticas, UCM