

**UCSC****FACULTAD DE
INGENIERÍA**DEPARTAMENTO
DE MATEMÁTICA
Y FÍSICA APLICADAS

Seminario de Sistemas Dinámicos

The quadratic and cubic polynomial differential systems in $\mathbb{R}^2$ and the Euler Jacobi formula

Resumen: The Euler-Jacobi formula provides an algebraic relation between the singular points of a polynomial vector field and their topological indices. Using this formula we obtain the configuration of the singular points together with their topological indices for the planar cubic polynomial differential systems when these systems have nine singular points.

Expositora: Dra. Claudia Valls (Universidade de Lisboa, Portugal)

Datos del evento

Fecha y hora: Martes 04 de noviembre de 2025, 16:30–17:30

Lugar: Auditorio San José Obrero, Facultad de Ingeniería, UCSC

Organizan: Johanna García y Marco Uribe.

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