Instituto Universitario de Investigación de Matemáticas y Aplicaciones Universidad Zaragoza

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Conferencia

por

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título

"On Geometric Graphs on Point Sets in the Plane"

Abstract:
A graph whose vertex set is a set *P* of points in the plane and whose edges are line segments joining pairs of elements of *P* is called a *geometric graph*. In this talk, we will survey several results on geometric graphs on colored point sets, that is, point sets $P= C_1 \cup ... \cup C_k$, where we may assume that the elements of C_i are colored with color *i*. Of particular interest are bicolored point sets, in which the elements of *P* are most of the time considered to be colored red or blue. We will pay particular attention to perfect matchings, spanning trees and paths whose vertex sets are colored point sets. We will also give some results on point sets *P* whose elements are labelled with the integers *{1,…,n}* such that different elements of *P* receive different labels.

Fecha: Lunes, 17 de junio de 2019
Hora: 12:00 horas
Lugar: Aula 11, Edificio de Matemáticas