



istanbul matematiksel bilimler merkezi
istanbul center for mathematical sciences

SIXTY-FOUR CURVES OF DEGREE SIX

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Abstract

This lecture is an invitation to real algebraic geometry, along with computational aspects, ranging from bitangents and K^3 surfaces to eigenvectors and ranks of tensors. We present an experimental study - with many pictures - of smooth curves of degree six in the real plane. This is joint work with Nidhi Kainhsa, Mario Kummer, Mahsa Sayyari and Daniel Plaumann. The number 64 refers to the Rokhlin-Nikulin classification of sextic curves.

Date : Thursday, September 12, 2019

Time: 16:00

Place: IMBM Seminar Room, Boğaziçi University South Campus