ODTU-Bilkent Algebraic Geometry

Singular real plane sextic curves with smooth real part

By

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Abstract: For a change, I will give a detailed proof of one of our joint results announced in an earlier talk, viz. the fact that the equisingular equivariant deformation type of a real plane sextic curve with smooth real part is determined by its real homological type (in the most naïve meaning of the term); this theorem has been used to obtain a complete classification of such curves. The principal goal is introducing the newer generation into the fascinating theory of K3-surfaces, real aspects thereof, and algebra/number theory involved.

Date: 10 May 2024, Friday
Time: 15:40 (GMT+3)
Place: Zoom

To request the event link, please send a message to sertoz@bilkent.edu.tr