ODTU-Bilkent Algebraic Geometry

Real line arrangements and vanishing cycles

By

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Abstract: We investigate the topology of a double cover of a complex affine plane branching along a nodal real line arrangement. We define certain topological 2-cycles in the double plane using the real structure of the arrangement.These cycles resemble vanishing cycles of Lefschetz.We then calculate their intersection numbers.

Date: 19 April 2024, Friday
Time: 15:40 (GMT+3)
Place: Zoom

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