



ODTU-Bilkent Algebraic Geometry

Real enumerative invariants and their refinement

By

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Abstract: The talk is devoted to several real and tropical enumerative problems. We suggest new invariants of the projective plane (and, more generally, of toric surfaces) that arise as results of an appropriate enumeration of real elliptic curves.

These invariants admit a refinement (according to the quantum index) similar to the one introduced by Grigory Mikhalkin in the rational case. We discuss tropical counterparts of the elliptic invariants under consideration and establish a tropical algorithm allowing one to compute them.

This is a joint work with Eugenii Shustin.

Date: 4 March 2022, Friday

Time: 15:40 (GMT+3)

Place: Zoom

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