ODTU-Bilkent Algebraic Geometry

Special Linear Series on Real Trigonal Curves

By

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Abstract: For a given trigonal curve C, geometric features of the Brill-Noether variety $W_d^r(C)$ parametrizing complete linear series of degree d and dimension at least r are well known. If the curve C is real, then $W_d^r(C)$ is also defined over $\mathbb{R}$. In this talk we will see the basic properties of real linear series and discuss the topology of the real locus $W_d^r(C)(\mathbb{R})$ for some specific cases.

Date: 20 October 2023, Friday
Time: 15:40 (GMT+3)
Place: Zoom

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