



Mathematics and CS Seminar

The Elekes-Szabo Theorem and applications

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The Elekes-Szabo Theorem gives an upper bound for the intersection between a Cartesian product and the zero set of a sufficiently complicated polynomial. This theorem was motivated by applications for some beautiful problems in discrete geometry related to the Erdos distinct distances problem. This talk will introduce the Elekes-Szabo Theorem and discuss some of these geometric applications, as well as some more recent applications in the context of the sum-product problem.

Thursday, March 16, 2023 01:00pm - 03:00pm

Heinzel Seminar Room (I21.EG.101), Office Building West, ISTA



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