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ON DETECTING TORICITY OF VARIETIES

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Abstract

Toric varieties are important in algebraic geometry and commutative algebra with many properties and applications. In this talk we present computational techniques for finding whether a given variety is toric or shifted toric. We give exponential complexity bound for this problem.

This is a joint work with D. Grigoriev, A. Iosif, T. Sturm & A. Weber.

Date : Wednesday, January 3, 2020

Time: 15:00

Place: IMBM Seminar Room, Boğaziçi University South Campus