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Symbolic Powers of Toric Ideals

This talk will discuss some recent joint work with Giuseppe Favacchio relating to symbolic powers of toric ideals. We will go over the necessary background on toric ideals as well as symbolic powers. We will then discuss two new results useful in the computation of symbolic powers of toric ideals. The first result will involve a novel method of computing the symbolic powers of toric ideals via tensors and the second result will show how the symbolic powers of toric ideals can be computed in terms of a particular saturation.