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**Two generalizations of Khovanskii Theory over an o-minimal structure**

Sergio Fratarcangeli  
McMaster University

Khovanskii Theory is an important tool for identifying new o-minimal structures and for obtaining uniformity results within o-minimal structures. In this talk, we generalize Khovanskii Theory in two directions. In one case, we produce a version that holds within any expansion of an ordered field with the intermediate value property. In the other case, we generalize how sets may be obtained from Rolle leaves—beyond mere intersections—so that the number of their connected components is still uniformly bounded.