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Algebra and Geometry of Link Homology (5/5)

vendredi 9 juillet 2021 13:30 (1 heure)

Khovanov and Rozansky defined a link homology theory which categorifies the HOMFLY-PT polynomial. This homology is relatively easy to define, but notoriously hard to compute. I will discuss recent breakthroughs in understanding and computing Khovanov-Rozansky homology, focusing on connections to the algebraic geometry of Hilbert schemes of points, affine Springer fibers and braid varieties.

Summary

Orateur: Prof. GORSKY, Eugene (University of California at Davis)