

# Algebra and Geometry of Link Homology (1/5)

*lundi 5 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)