

Almost-extreme Khovanov spectra

Federico Cantero Morán

Universidad Autónoma de Madrid

`federico.cantero@uam.es`

Khovanov homology is a powerful invariant of knots and links discovered by Khovanov in 2000. Ten years ago, Lipshitz and Sarkar refined it to an invariant with values in topological spectra. They used a combinatorial model of spectra called "Framed flow category". In this talk we will present a modified construction of these spectra in the almost-extreme quantum grading which, under certain hypotheses, allow us to model these Framed Flow categories as pointed simplicial sets and compute their stable homotopy type.

(joint work with Marithania Silvero)