

## **A Khovanov stable homotopy type and new s-invariants**

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We will start with a review of the Khovanov homology invariant of links in  $S^3$  and an extension of Khovanov's invariant to a stable homotopy type. We will then talk about new endomorphisms of Khovanov homology arising from stable cohomological operations, such as the Steenrod squares. We will see how such endomorphisms lead to refinements of Rasmussen's s-invariant. Time permitting, we will discuss some topological applications and computational results. This work is joint with Robert Lipshitz.