

1124-55-66

Michael S Willis* ([msw3ka@virginia.edu](mailto:mw3ka@virginia.edu)), 141 Cabell Drive, Kerchof Hall, P.O. Box 400137, Charlottesville, VA 22904-4137. *A Colored Khovanov Homotopy Type.*

We define a Khovanov homotopy type for $\mathfrak{sl}_2(\mathbb{C})$ colored links and quantum spin networks and derive some of its basic properties. In the case of n -colored B-adequate links, we show a stabilization of the homotopy types as the coloring $n \rightarrow \infty$, generalizing the tail behavior of the colored Jones polynomial. Time permitting, we will also provide an alternative, simpler stabilization in the case of the colored unknot. (Received August 27, 2016)