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**Nicolle Gonzalez\*** (nicolle@math.ucla.edu) and **Matt Hogancamp**. *A skein-theoretic formulation of the  $A_{q,t}$  algebra*. Preliminary report.

The  $A_{q,t}$  algebra was originally introduced by Carlsson and Mellit in their proof to the shuffle conjecture. In this talk I will discuss ongoing work with Matt Hogancamp entailing a skein-theoretic formulation of the  $A_{q,t}$  algebra specialized at  $t = q^{-1}$  that recovers the original algebraic formulation and provides the prime structure for categorification. (Received January 21, 2020)