

1171-55-14

**Robert G. Todd\*** (rtodd@mtmercy.edu), **Heather Dye** and **Aaron Kaestner**. *The arrow polynomial and Bar Natan's Zhe-construction*. Preliminary report.

Here we show that the Arrow polynomial for virtual knots can be reconstructed from the perspective of Bar-Natan's Zhe-construction. The Zhe-construction is the starting point for other invariants such as the Generalized Alexander polynomial. We hope this will lead to fruitful connections between these seemingly disparate objects. (Received July 27, 2021)