

1171-57-115

Jose Roman Aranda Cuevas* (romanaranda123@gmail.com), Department of Mathematical Sciences, Binghamton University, PO Box 6000, Binghamton, NY 13902-6000, and **Scott A Taylor, Cindy Zhang** and **Puttipong Pongtanapaisan**. *L-invariant for spun knots*. Preliminary report.

One can think of trisections of 4-manifolds as the higher dimensional analog of Heegaard splittings in dimension 3. Inspired by the notion of distance for links in S^3 , Blair, Campisi, Taylor, and Tomova introduced the L-invariant in 2020. This new invariant is a measure of complexity for embedded surfaces in S^4 . This talk will describe estimates for the L-invariant for spun knots in S^4 . This project is the result of an Undergraduate Research Experience at Colby College. (Received August 09, 2021)