

RESPONSE TO THE REFEREE’S REPORT ON “FINITE TYPE INVARIANTS OF W-KNOTTED OBJECTS I: BRAIDS, KNOTS AND THE ALEXANDER POLYNOMIAL”

ZSUZSANNA DANCOS AND DROR BAR-NATAN

First of all thank you very much for reading the paper so thoroughly, and for your corrections and suggestions.

We have addressed all of the editing suggestions and questions in the referee report. Below we give a list of those points where we differ from your suggestions, as well as any points where the changes require an explanation:

The Abstract: We followed most of your suggestions to shorten the abstract except we kept the second paragraph: we’d like to keep a little bit of the context/history.

23: One can delete a strand that wiggles around: you just erase it from the braid (or “pull it out”) and get a braid with one less strand.

31: But the Århus integral was named after the city before January 2011.

34: We use superscripts to be consistent with our own notation later.

38: We have switched to \mathbb{Q} throughout, with a footnote on page 15 stating that other fields of characteristic 0 would work as well.

39, and other British vs American spelling: We use Canadian spelling consistently. If this is ok with the editor we would like to keep it this way.

64: Our native English speaking consultant says “feel” is correct in this context.

77: The results cited are the main results of the papers cited and appear in their abstracts, so there’s no need for a more detailed citation.

Some papers displayed in blue: Our convention is to display all citations, as well as internal links to figures, subsections, etc, in green, and external links to the web in blue. All of these are click-able in the PDF. Article titles appear in blue in the references section when the titles are links to a version of the paper not on arXiv, for example on the author’s website. ArXiv links are displayed separately.