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Ben Webster* (bwebste@gmail.com), Department of Mathematics, University of Virginia, 141 Cabell Drive, Charlottesville, VA 22904. *Skew Howe duality and comparison of knot invariants.*

One very important collection of invariants for any knot or link are those associated by Reshetikhin and Turaev to the representations of \mathfrak{sl}_n . Over the past decade or so, mathematicians have had a lot of success at defining categorifications of these invariants, and a lot less success at figuring out whether they've defined one categorification in a bunch of different ways, or a bunch of different ones. Luckily, we now know that the former is true. I'll explain how, based on work of many people including Cautis, Mackaay, Yonezawa, Rose, Queffelec, Lauda and of course, myself. (Received January 14, 2015)