Micah Chrisman (chrisman.76@osu.edu) and Puttipong Pongtanapaisan* (puttipong-pongtanapaisan@uiowa.edu). *Double null concordance of knots in thickened surfaces. Preliminary report.

In 2008, Turaev introduced a notion of concordance for knots in thickened surfaces. This generalizes the classical idea of concordance of knots in the 3-sphere by allowing the concordance annulus to be embedded in a more general thickened 3-manifold that is not necessarily the thickened 3-sphere. In this talk, I will discuss joint work with Micah Chrisman where we generalize the notion of double null concordance to the setting of knots in thickened surfaces. More specifically, I will present examples and non-examples of double null concordant knots in thickened surfaces. (Received February 04, 2020)