

1096-57-2029      **Heather A Dye\*** (hadye@mckendree.edu), 701 College Rd, Lebanon, IL 62254, and **Micah Chrisman**. *The Three Loop Invariant*.

This talk is a report on the paper: The Three Loop Isotopy and Framed Isotopy Invariants of Virtual Knots. We introduce the three loop isotopy invariant, a virtual knot theory “analogue” of a well-known family of invariants for knots in thickened surfaces: the Grishanov-Vassiliev finite-type invariants of order two. We conclude with the properties of this invariant. (Received September 17, 2013)