

1145-57-1131 **Louis H Kauffman*** (kauffman@uic.edu), Math, UIC, 851 South Morgan Street, Chicago, IL
60607-7045. *Virtual Khovanov Homology*. Preliminary report.

The purpose of this talk is to discuss the structure of virtual Khovanov homology in the framework used by Vassily Mantorov and modified by Dye, Kaestner and Kauffman. We will discuss the present state of results of this theory including Lee virtual homology, generalizations of Rasmussen's theorem and the possibility of constructing a Lipshitz-Sarkar type homotopy theory for the virtual Khovanov homology. (Received September 19, 2018)