

1096-57-1424 **Louis H. Kauffman*** (kauffman@uic.edu), Math UIC, 851 South Morgan Street, Chicago, IL
60607-7045. *Elements of Khovanov Homology*. Preliminary report.

By starting with the categorical chain homotopy approach of Bar-Natan, we show how the Frobenius algebra structures related to Khovanov homology emerge naturally. We then continue the talk with a discussion of the relationship of Khovanov homology with quantum computing and quantum statistics. (Received September 15, 2013)