1100-57-173 **Charles D Frohman*** (charles-frohman@uiowa.edu), Department of Mathematics, The University of Iowa, Iowa City, IA 52242, and **Joanna Kania-Bartoszynska**. *The Kauffman bracket skein algebra at a root of unity as a Frobenius algebra.* Preliminary report.

The Kauffman bracket skein algebra of a compact oriented surface with boundary , where $A = e^{\pi \mathbf{i}/N}$, and N is odd, is a ring extension of coordinate ring the Sl_2C-character variety of the fundamental group of the surface. We explore the existence of a linear functional from the skein algebra to the coordinate ring, so that when we extend to the functional field makes the extended skein algebra into a Frobenius algebra. (Received February 07, 2014)