1073-57-190   **Helen M Wong*** (`hwong@carleton.edu`), 1 N College St, Northfield, MN 55057, and **Francis Bonahon**. *Representations of the Kauffman Skein Algebra.* Preliminary report.

We begin with an overview of the Kauffman skein algebra. Originally defined combinatorially following the Kauffman bracket polynomial, the Kauffman skein algebra can also be understood as a quantization of the representation variety of surface groups into $PSL_2(\mathbb{C})$ using the Weil-Petersson-Goldman Poisson structure. We make use of this latter interpretation to construct representations of the Kauffman bracket skein algebra and discuss a conjectured classification of them. (Received August 01, 2011)