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Razvan Gelca* (rgelca@gmail.com), Department of Mathematics and Statistics, Lubbock, TX 79410, and **Alejandro Uribe**, Department of Mathematics, University of Michigan, Ann Arbor, MI 48109. *The reduced Kauffman bracket skein algebra of the torus has a unique irreducible representation.* Preliminary report.

The reduced Heisenberg group appears in the quantization of the torus. It's analogue in the case of the quantization of the moduli space of flat $SU(2)$ -connections on the torus is the reduced Kauffman bracket skein algebra. We will prove that this algebra has a unique finite dimensional irreducible representation. This further emphasizes the analogy between the relation of reduced Kauffman bracket skein algebra of the torus with the Reshetikhin-Turaev representaion of the mapping class group on the one hand and the Schroedinger representation with the Segal-Shale-Weil representation on the other. (Received January 17, 2008)