1093-17-221   **Zhaobing Fan*** (`zhaobing@buffalo.edu`), 244 Mathematics Building, Buffalo, NY 14260, and **Yiqiang Li** (`yiqiang@buffalo.edu`), 244 Mathematics Building, Buffalo, NY 14260. *A geometric setting for quantum* $\mathfrak{osp}(1|2)$.

A geometric categorification is given for quotients of quantum $\mathfrak{osp}(1|2)$ and tensor products of its simple modules. The modified quantum $\mathfrak{osp}(1|2)$ is shown to be isomorphic to the modified quantum $\mathfrak{sl}(2)$. This is a joint work with Yiqiang Li. (Received August 15, 2013)