1100-16-64   **Ilya Shapiro**, **Xiang Tang*** (`xtang@math.wustl.edu`) and **Hsian-hua Tseng**. *Mackey machine and discrete torsion.*

Inspired by questions from string theory, we study a duality result between different (twisted) cross product algebras using the idea of the Mackey machine. The Hochschild cohomology computation leads to interesting results in geometry and topology. (Received January 27, 2014)