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Józef H. Przytycki and **Xiao Wang*** (wangxiao@gwmail.gwu.edu). *An example of torsion in Yang-Baxter homology.*

It is well known that one can get link invariants from Yang-Baxter operators (Jones, Turaev). We will introduce a homology theory of Yang-Baxter operator and discuss some computation results especially for the Yang-Baxter operator giving Jones polynomial. (Received September 11, 2016)