1014-57-608   **Khaled M Qazaqzeh*** (`qazaqzeh@math.lsu.edu`), Mathematics Department, Louisiana State university, Baton Rouge, LA 70803. *Integral Bases for Certain TQFT-Modules of the Torus.*

Gilmer and Masbaum, extending the work with van Wamelen in genus one, found explicitly bases for naturally defined lattices over a ring of algebraic integers in the SO(3)-TQFT-modules of surfaces at roots of unity of odd prime order. We find similar bases for the SU(2)-TQFT-modules of the torus. (Received September 21, 2005)