1062-13-170 **Lars W. Christensen**, **David A. Jorgensen**, **Hamid Rahmati*** (hamid.rahmati@ttu.edu), **Janet Striuli** and **Roger Wiegand**. *Brauer-Thrall for totally reflexive modules.* Preliminary report.

Let $(R, \mathfrak{m}, k)$ be a commutative local ring. A finite R-module M is called totally reflexive if it is reflexive and $\mathrm{Ext}^i_R(M, R) = \mathrm{Ext}^i_R(M^*, R) = 0$ for all $i > 0$. Assume that R is not Gorenstein and that there are elements $w, x \in \mathfrak{m}$ such that $\mathrm{Ann}_R(x) = (w)$ and $\mathrm{Ann}_R(w) = (x)$. For every $n \in \mathbb{N}$, there exists an indecomposable totally reflexive module that is minimally generated by n elements. Moreover, if k is infinite then for every $n \in \mathbb{N}$, there are $|k|$ pairwise non-isomorphic indecomposable totally reflexive modules that are minimally generated by n elements. (Received August 06, 2010)