1035-05-1209 Erika L. C. King (eking@hws.edu), Hobart and William Smith Colleges, 4083 Scandling Center, Geneva, NY 14456, and Michael J. Pelsmajer* (pelsmajer@iit.edu), Department of Applied Mathematics, Illinois Institute of Technology, 10 W.32nd St., E1 208, Chicago, IL 60616.
Dominating Sets in Triangulations.
In 1996, Matheson and Tarjan conjectured that any $n$-vertex triangulation with $n$ sufficiently large has a dominating set of size at most $n / 4$. We prove this for graphs of maximum degree 6. (Received September 19, 2007)

