1025-54-176 **Diane M. Vavrichek*** (`vavriche@umich.edu`), Dept. of Mathematics, University of Michigan, 2074 East Hall, 530 Church Street, Ann Arbor, MI. *Hierarchies for finitely presented groups and 3-manifolds.*

We will discuss the proof of a theorem about the existence of hierarchies for finitely presented groups, and an application to 3-manifold theory. (Received January 24, 2007)