1053-13-148   **Uwe Nagel*** (`uwenagel@ms.uky.edu`), Department of Mathematics, University of Kentucky, 715 Patterson Office Tower, Lexington, KY 40506, and **Victor Reiner**. *Betti numbers of edge ideals and shifted skew shapes.*

Shifted skew shapes are well-known combinatorial objects. Each such shape gives rise to a bipartite and a non-bipartite graph. These graphs generalize Ferrers graphs and threshold graphs. In the talk we discuss the multigraded Betti numbers of the edge ideals of the graphs associated to skew shapes. They have a combinatorial interpretation and are independent of the characteristic of the base field. (Received August 31, 2009)