1106-VN-2565 **Cynthia I Wood*** (ciw2@rice.edu), 6100 Main st - MS 134, Houston, TX 77005. *The Maximum Weighted Co-2-Plex Problem in a {Claw, Bull}-Free Graph.*

The maximum weighted co-2-plex problem (MWC2P) determines a subset of vertices of maximum total weight of a given graph, in which each vertex has degree at most one. This talk presents a polynomial time algorithm for solving MWC2P problem in {claw, bull}-free graphs. (Received September 16, 2014)