1146-05-174   **Debra L Boutin*** (`dboutin@hamilton.edu`), Hamilton College, 198 College Hill Road, Clinton, NY 13323. *New techniques in 2-distinguishing graph products.* Preliminary report.

The *distinguishing number* of a graph is the smallest number of colors necessary to color the vertices so that no nontrivial automorphism preserves the color classes. If a graph can be distinguished with two colors, the *distinguishing cost* is the smallest possible size of the smaller color class. This talk will cover new results and new techniques in the distinguishing cost of certain graph products. (Received January 21, 2019)