1116-05-1230 **Debra L Boutin***, 33 Homestead Rd W, Clinton, NY 13323. Symmetry Parameters for Lexicographic Graph Products. Preliminary report.

A determining set S is a set of vertices with the property that each automorphism of the graph is uniquely identified by its action on S. The distinguishing number is the smallest number of colors necessary to color the vertices so that no nontrivial automorphism preserves the color classes. The edge istinguishing number is similarly defined. If a graph can be (edge or vertex) distinguished with two colors, the distinguishing cost is the minimum size of a color class in such a coloring. In this talk, we will explore new work on these parameters for the lexicographic product of graphs. (Received September 18, 2015)