1086-05-1132 **Wayne Goddard**, **Douglas Rall** and **Kirsti Wash*** (kirstiw@clemson.edu), O-110 Martin Hall, Box 340975, Clemson, SC 29634. *Identifying Codes in the Product of Cliques.*

An identifying code in a graph is a set having the property that the closed neighborhood of each vertex in the graph has a nonempty, distinct intersection with the set. The minimum cardinality of an identifying code in a graph G is denoted $\gamma^{ID}(G)$. In this talk, we focus on computing lower bounds of $\gamma^{ID}(G)$ where G is a product of cliques. In particular, we compute the exact value of $\gamma^{ID}(K_n \times K_m)$ and $\gamma^{ID}(K_n \Box K_m)$ when $n \leq m$. (Received September 19, 2012)