1001-94-298 **Ari Trachtenberg*** (`trachten@bu.edu`), Department of Electrical and Computer Enginee, 8 St. Mary's St., Boston, MA 02215. *Identifying codes and their cousins.* Preliminary report.

An identifying code is a set of designated nodes in a graph with the property that any graph node is adjacent to a unique subset of these designated nodes. Finding good identifying codes is related to finding good error-correcting codes and good tilings, and we will review briefly some of the known relations. We will also describe some of our recent work on robust and disjoint identifying codes, which even seem to have applications to sensor networks. (Received August 30, 2004)