

1096-03-2219 **Jennifer Chubb Reimann*** (jcchubb@usfca.edu), USF Department of Mathematics, 2130
Fulton St., San Francisco, CA 94117. *Ordering algebraic structures on trees.*

An ordering of an algebraic structure is an ordering of the elements of that structure that is invariant under the structure's operation. In this talk, we will consider partially and linearly orderable computable groups and semigroups. The families of orderings of such structures form effectively closed sets in Cantor space (or Π_1^0 classes). We will explore this fact and see some ways to exploit it. (Received September 17, 2013)