

1107-03-326

Jennifer C Chubb* (jcchubb@usfca.edu), USF Dept. of Math, 2130 Fulton St., San Francisco, CA 94117. *Spaces of orderings of computable groups.*

A group is called computable if membership in the structure (as a set) can be effectively determined and there is an effective algorithm for computing the group operation. An ordering of the elements of a group is called a bi-ordering if it is invariant under the left and right actions of the group on itself. The collection of orderings of a group has a natural topology, and we will discuss topological properties of the space of bi-orderings of computable groups. (Received January 18, 2015)