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Adam S. Sikora* (asikora@buffalo.edu), 244 Math Bldg, SUNY Buffalo, Buffalo, NY 14260.

Topology of spaces of orderings of groups. Preliminary report.

We survey topological properties of spaces of orderings of groups. We show that Conrad orderings of a large class of groups (including free and surface groups) form the Cantor space and, in particular, have no isolated orders. (Received September 14, 2008)