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Paul Schupp* (schupp@math.uiuc.edu), Department of Mathematics, University of Illinois, Urbana, IL 61801, and **Kari Barkley**. *What properties do groups of random knots have?* Preliminary report.

This is a preliminary report on computer experiments attempting to find reasonable guesses about properties of random knot groups. The following are some basic questions. How fast does the minimal number of defining relators of a knot group grow as the number of crossings increases? At what crossing number do the majority of knot groups stop being one-relator groups? For a given number of crossings, of those knot groups which are one-relator groups, what percentage are mapping tori of free group automorphisms? (Received August 29, 2005)