

1053-20-327

Christopher H. Cashen* (cashen@math.utah.edu), University of Utah, Department of Mathematics, 155 S 1400 E Room 233, Salt Lake City, UT 84112-0090, and **Natasha Macura**. *Mapping Tori of Free Group Automorphisms and Line Patterns in Free Groups*. Preliminary report.

I will talk about line patterns in free groups and how they provide quasi-isometry invariants for mapping tori of linearly growing free group automorphisms. (Received September 08, 2009)