

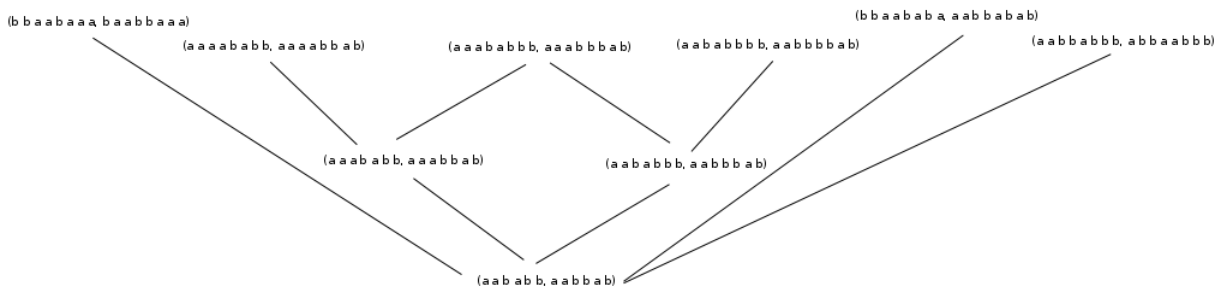
# Secret Student Seminar

Experimental Algebra & Geometry Lab

## Special Words in the Free Group of Rank 2

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### Abstract

We will define equivalence classes, free groups generated over two letters, cyclic equivalence, representations, and eventually special words. After taking a look at a data set of special words, we will discuss the goal of using Mathematica to find a formula that gives the set of special words of arbitrary length. Some abstract algebra will be used throughout the seminar.

Date: Friday, December 6, 2013

Time: 2:00pm–3:00pm

Place: MAGC 1.302

**Pizza and soda will be served at the presentation.**

For further information or for special accommodations, please contact Dr. Sean Lawton via email at [lawtonsd@utpa.edu](mailto:lawtonsd@utpa.edu).