

The SUMO Speaker Series for Undergraduates

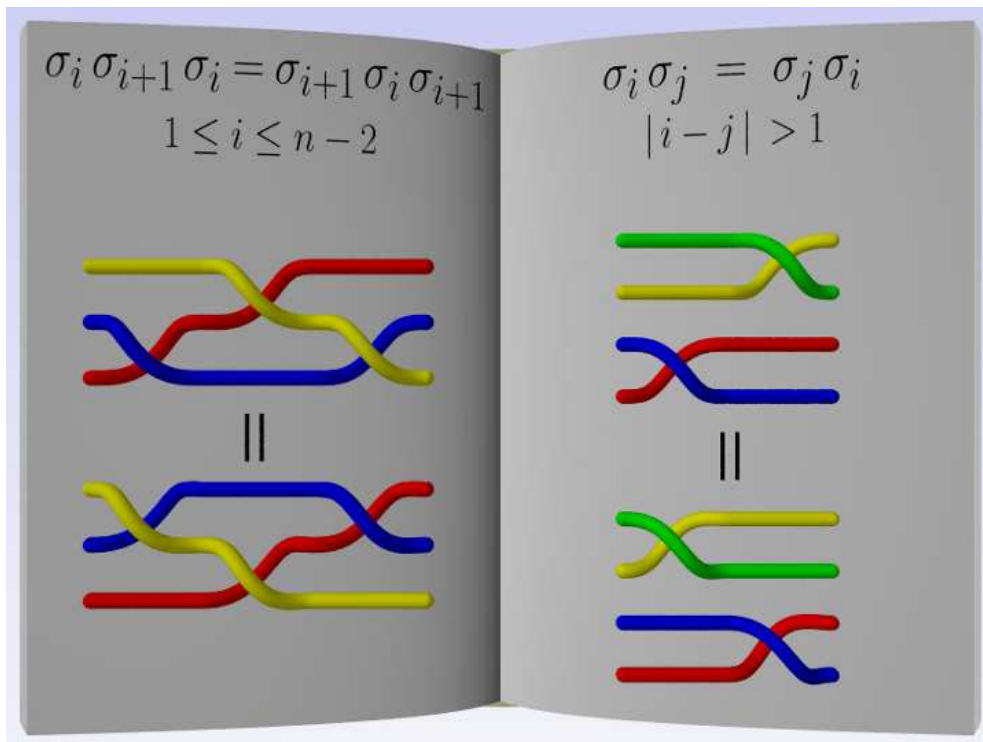
Thursday, January 23rd

4:15-5:05, room 380C

(Food Provided)

Braids, permutations, and squarefree polynomials

Professor Tom Church



Abstract:

Q: How many squarefree quintic polynomials are there in $\mathbb{F}_{11}[T]$?

A: 1,610,510

Braid groups can be approached pictorially, algebraically, combinatorially, or topologically. I'll do a bit of each, before explaining how braid groups can help us solve the question above.

sumo.stanford.edu/speakers