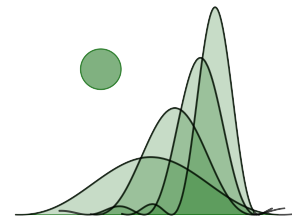




# Colloquium Series

## Department of Mathematics and Statistics



**Prof. Brian P Katz**  
**(BK)**

CSU Long Beach

## Groups en Action

**Abstract:** Inspired by prior work of Jessi Lajos and team, I wanted to incorporate some embodied cognition in my abstract algebra course to help my students make meaning of the most challenging ideas (and to have some fun). In this session, we will discuss an activity that spanned four class days in which my students acted out algebraic structures, including the properties of groups, generation, cosets, homomorphisms, and quotients. I hope to share the tasks, some student thinking, and my experience ramping up an embodied task in my classroom.

**Keywords:** Abstract algebra, embodied cognition, teaching teachers.

**Friday, Oct. 25, 1:05 – 1:50 pm in 1-309**