

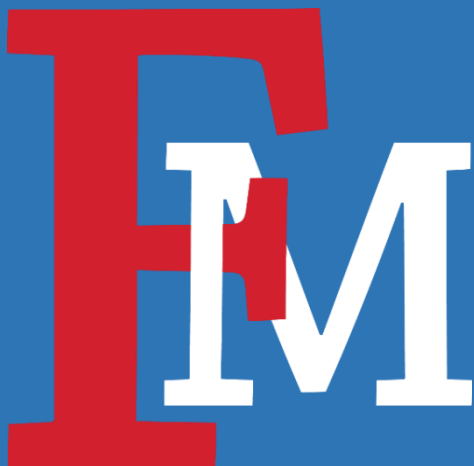
# Math Club

**Guest Speaker: Dr. Drew Tomlin**

**Permutations, Signed Permutations, and Their Cycle Types**

A permutation is a one-to-one correspondence from a set onto itself; it can also be seen as a particular arrangement of objects in the set. In this talk, I will define permutations and signed permutations of  $n$ , where  $n$  is a positive integer. I will also describe the notion of cycle types of these kinds of permutations and explain how each set of permutations is broken into conjugacy classes according to cycle type. I will give a few examples of how conjugacy classes can be used, and I will give an example of how they came up in my own research.

*Refreshments will be served!*



Wed, Feb. 8<sup>th</sup> at 1:30 PM

Location: LSF 407B



For more information, please visit the Math Club's website: