

1125-05-2577 **Kassie Archer*** (karcher@uttyler.edu) and **Lindsey-Kay Lauderdale**. *Pattern-avoiding cycles*. Preliminary report.

A permutation $\pi \in \mathcal{S}_n$ avoids the pattern $\sigma \in \mathcal{S}_k$ if there is no subsequence of π in the same relative order as σ . In this talk, we discuss pattern-avoiding permutations which are composed of a single n -cycle. (Received September 20, 2016)