

1154-05-2023      **Yibo Gao** and **Kaarel Hänni\***, tahvend@mit.edu. *Counting Signed Vexillary Permutations.*

We show that the number of signed permutations avoiding 1234 equals the number of signed permutations avoiding 2143 (also called vexillary signed permutations), resolving a conjecture by Anderson and Fulton. The main tool that we use is the generating tree developed by West. Our methods can be further generalized. (Received September 17, 2019)