

1102-05-171 **Brant Jones*** (jones3bc@jmu.edu). *Affine permutation patterns*. Preliminary report.

In analogy with a classical question, we consider the number of affine permutations that avoid a finite permutation pattern. This subject was introduced by Andrew Crites and has been investigated in papers of Hanusa-Jones and Biagioli-Jouhet-Nadeau. Since the affine symmetric group is infinite we use an additional statistic, known as Coxeter length, to refine our counting. In this talk, we will survey prior results and present a new methodology for obtaining these counting sequences. (Received July 28, 2014)