

1106-05-415

Bridget Eileen Tenner* (bridget@math.depaul.edu). *Frequency of factors in reduced words.*

We will look at reduced words of the longest element of the symmetric group. In these objects, chosen uniformly at random, we will compute the expected number of adjacent commuting symbols. These computations, together with a result of Reiner, will allow us to calculate the asymptotic frequencies of commutations, consecutive noncommuting pairs, and long braid moves. (Received August 27, 2014)