

1129-40-433

Marina Skyers* (mus61@psu.edu). *Representations of the Simple Random Walk on $(0,1)$.*

In this talk we will investigate representations of the simple random walk on $(0,1)$, S_n , and how to effectively rearrange the sequence of terms S_n/\sqrt{n} in order to achieve almost sure convergence to the standard normal on $(0,1)$. An important question is how much rearranging of the S_n is optimal. One direction attempts to minimize the graph-theoretic complexity of the permutations corresponding to these representations of S_n . One approach would be to minimize the lengths of cycles. (Received March 21, 2017)