

1135-VP-807      **Katie Anders\*** (kanders@uttyler.edu) and **Kassie Archer**. *Enumerating unimodal rooted forests avoiding the pattern 321.*

We say that an unordered rooted labeled forest avoids the pattern  $\pi \in S_n$  if the sequence obtained from the labels along the path from the root to any vertex does not contain a subsequence that is in the same relative order as  $\pi$ . Forests that avoid  $\{312, 213\}$  are unimodal forests. We enumerate the class of unimodal forests avoiding the pattern 321 via a bijection with the set of ordered partitions of  $[n]$ . (Received September 14, 2017)