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Kassie Archer* (karcher@uttyler.edu), **Virginia Germany**, **Catherine Marin King** and **Lindsey-Kay Lauderdale**. *λ -unimodal involutions*.

For a composition $\lambda = (\lambda_1, \lambda_2, \dots, \lambda_k)$ of n , we say a permutation on n letters is λ -unimodal if there are k contiguous unimodal segments, the i -th of which is length λ_i . We enumerate λ -unimodal involutions (those permutations that are equal to their own algebraic inverse) by descent number. As a corollary, we obtain a generating function for the Gelfand character for the symmetric group. (Received September 17, 2019)