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**Brian Mann\*** ([mann@math.utah.edu](mailto:mann@math.utah.edu)). *Hyperbolicity of the Cyclic Splitting Complex.*

The outer automorphism group of a free group is defined to be the group of all automorphisms modulo those given by conjugation, and is denoted  $Out(F_n)$  for a free group of rank  $n$ . To study this group, we define a new complex on which  $Out(F_n)$  acts by simplicial automorphisms, the cyclic splitting complex of  $F_n$ , and show that it is hyperbolic using a method developed by Kapovich and Rafi. (Received September 11, 2013)