1116-11-1391 **Abbey Bourdon*** (abourdon@uga.edu) and **Paul Pollack**. *Torsion in Odd Degree.*

Let E be an elliptic curve defined over a number field F. It is a classical theorem of Mordell and Weil that the collection of points of E with coordinates in F form a finitely generated abelian group. We seek to understand the subgroup of points with finite order. In particular, given a positive integer d, we would like to know precisely which abelian groups arise as the torsion subgroup of an elliptic curve defined over a number field of degree d, and we would like to know how the size of the torsion subgroup grows as d increases. I will discuss recent progress on these problems for the special class of elliptic curves with complex multiplication under the assumption that d is odd. (Received September 19, 2015)