1086-11-2150 **Chad Awtrey*** (cawtrey@elon.edu). *Computing Galois-theoetic invariants for certain degree six p-adic fields.*

Let K be a finite extension of the p-adic numbers with $p > 3$, and let L/K be a totally ramified sextic extension. For each of the sixteen transitive subgroups G of S_6, we count the number of nonisomorphic extensions where the Galois group of the splitting field of L is equal to G. The technique is new and is based on the mass formulas of Krasner and Serre. (Received September 24, 2012)