

1033-12-66

**Sharon Brueggeman\*** ([Sharon-Brueggeman@utc.edu](mailto:Sharon-Brueggeman@utc.edu)), Department of Mathematics, University of Tennessee at Chattanooga, 615 McCallie Ave, Chattanooga, TN 37403. *Ramification Targeted Polynomial Searches*. Preliminary report.

Advances in search algorithms and discriminant bounds have paved the way for algebraic number theorists to look further for examples of number fields with specified prime ramification and Galois group. In this talk, I will discuss these advances and some recent results. (Received August 31, 2007)