1037-11-361   **Karli Morris*** (`ksmith@math.lsu.edu`), Dept. of Mathematics, Louisiana State University, Baton Rouge, LA 70806. *Trace Forms of Abelian Extensions of Number Fields.* Preliminary report.

In this paper I first give a brief introduction to trace forms of number fields. Then I classify and discuss the trace forms of some abelian extensions of number fields. (Received February 05, 2008)