1145-11-1664 **Robert J Lemke Oliver** and **Jiuya Wang*** (jiuya.wang@duke.edu), 120 Science, 117 Physics Building, Durham, NC 27708, and **Melanie Matchett Wood**. *Inductive Methods for Counting Number Fields.*

We propose a general framework to inductively prove new results for counting number fields. By using this method, we prove the asymptotic distribution for extensions with Galois groups in the form of $T \wr B$ where $T = S_3$ or abelian groups and B is an arbitrary group with the associated counting function not growing too fast. The key ingredient is a uniform estimate on the number of relative extensions with dependency on the base field. This is a joint work with Robert J.Lemke Oliver and Melanie Matchett Wood. (Received September 23, 2018)