1037-11-107 **Anthony C Kable*** (`akable@math.okstate.edu`), Department of Mathematics, Oklahoma State University, Stillwater, OK 74078. *Asymptotic Distribution of Class-Group-Valued Invariants.* Preliminary report.

There are a number of interesting arithmetical invariants that take their values in the class group of a number field k. Examples include the Steinitz class of an extension of k and the Weierstrass class of an elliptic curve over k. A framework for obtaining examples of such invariants will be outlined. Recent and current work on the asymptotic distribution of such invariants in families of arithmetical objects will then be described. (Received January 26, 2008)