1036-11-7   **Byungchul Cha*** (`cha@muhlenberg.edu`), Muhlenberg College, 2400 Chew Street, Allentown, PA 18104. *Chebyshev's bias in function fields.* Preliminary report.

We study a function field counterpart of *Chebyshev's bias*, a phenomenon observed first by Chebyshev in 1853 that there tend to be more prime numbers that are congruent to 3 modulo 4 than those congruent to 1. Our results, as well as their proofs, are similar to those in the case of the number field, which were proved by Rubinstein and Sarnak in 1994. We will also observe some differences between the function field and the number field case, as well as other generalizations. (Received October 09, 2007)