Meeting: 1000, Albuquerque, New Mexico, SS 6A, Special Session on Arithmetic Geometry

1000-11-13 **J Felipe Voloch*** (`voloch@math.utexas.edu`), Dept of Math, Univ. of Texas at Austin, Austin, TX 78712. *Elliptic curves over function fields.* Preliminary report.

We will outline a program to construct a few independent points in the Mordell-Weil group of an elliptic curve over a function field over a finite field, when the L-function of the curve has a very large zero at s=1. This is very much work in progress. (Received June 02, 2004)