## ATHENS-ATLANTA NUMBER THEORY SEMINAR

Constructing elliptic curves of high rank over function fields

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Abstract: There are now several constructions of elliptic curves of high rank over function fields, most involving high-tech things like *L*-functions, cohomology, and the Tate or BSD conjectures. I'll review some of this and then give a very down-to-earth, low-tech construction of elliptic curves of high ranks over the rational function field  $\mathbf{F}_p(t)$ .

Tuesday, October 20, 2009, 4:00 pm Mathematics and Science Center: W201

MATHEMATICS AND COMPUTER SCIENCE EMORY UNIVERSITY