

**Meeting:** 1003, Atlanta, Georgia, SS 32A, AMS Special Session on Arithmetic Algebraic Geometry, I

1003-11-140      **John Voight\*** (jvoight@math.berkeley.edu) and **Samit Dasgupta.** *Computing the reciprocity law for CM points on Shimura curves.*

We exhibit algorithms to compute the reciprocity law for CM points on Shimura curves defined over number fields, and provide examples using the computer system MAGMA. (Received August 10, 2004)