962-14-1340 Craig A Nolder* (nolder@math.fsu.edu), Department of Mathematics, Florida State University, Tallahassee, FL 32306, and Eric Klassen, Mika K Seppala and Tyler Sutton. Computations with Tori II. Preliminary report.

We continue our investigation of computationally identifying algebraic curves and Riemann surfaces. We address the problem of calculating the Teichmuller distance between two algebraic curves. (Received October 03, 2000)