Elliptic curves: SAGE

3 December 2013

Mastermath / DIAMANT, Fall 2013

On the 3rd of December we will use the computer package SAGE to do explicit computations on elliptic curves. There is a Sage homework sheet due on the 10th of December, which is available on the Sage server (as we will describe below).

You can get acquainted with SAGE before the 3rd of December by doing the following.

(1) Go to https://sage.math.leidenuniv.nl;
(2) Sign up for a new Sage Notebook account, if you do not already have one;
(3) Sign in and go to 'Published';
(4) Select the worksheet 'basic Sage' and click 'Edit a copy';
(5) Go through this worksheet.

On the 3rd of December, you do the following.

(6) Find a partner;
(7) Log in to a computer in room WN-S101 or WN-S103 (if they are both full, try WN-S353) with a username and password that will be given to you;
(8) Follow steps (1) to (5) above, if you haven't already;
(9) Go to 'Published' again, and select the worksheet 'elliptic curves, exercises, mastermath 2013'.
(10) Find further instructions on the worksheet.