py4science VBC
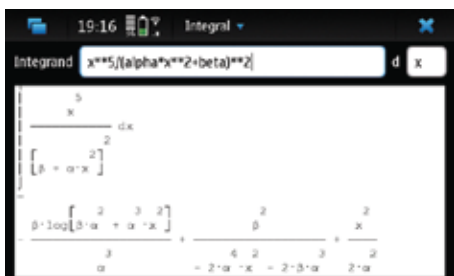
Where: GMI Orange Seminar Room (room 9.36)

When: 2nd and 4th Fridays every month, 12:30pm

Organizers: geeks of the Straw Lab (IMP), Nordborg and Busch Labs (GMI)

Free sandwiches!

Inaugural meeting of Py4Science VBC

<u>15 short python programs in 15 minutes</u>

John Stowers and Andreas Pöhlmann (Straw Lab, IMP)

9 March, 12:30pm, GMI Orange Seminar Room (room 9.36)

A whirldwind tour of the capabilities of python, the python standard library, and common python modules including numpy, matplotlib and OpenCV. We will show you how to read and write common files, perform analysis of images and numerical data, plot the results, talk to lab equipment and more.
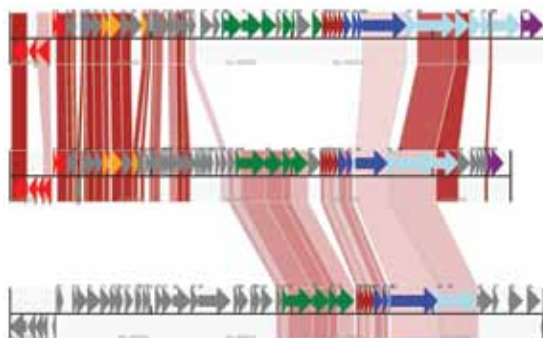
The Python language is an excellent tool for scientific computing and rapidly growing in popularity. It is easy to read, easy to write and it features a great selection of powerful libraries.
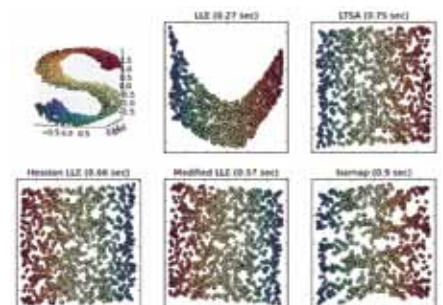
Py4Science VBC is a bi-monthly, short, interactive series demonstrating the awesomeness of Python in science and facilitating cross-pollination between interested parties. Those wishing to attend do not need to be expert at Python programming, but familiarity with the language and some popular libraries such as numpy and matplotlib is encouraged. Even if you are a complete beginner, the talks will be short (15 minutes) followed by interactive discussions and demonstrations so you will not be bored.

symbolic integration on mobile (Intregral app with sympy)

image show with shading (matplotlib)

genome diagram (bio python)

manifold learning (scikits learn toolkit)