Marie Curie MATLAB Course

Venue: Room 534 Malet Street
Time: 2 – 5 pm every Thursday, November 17th 2012 – December 15th 2011
Lecturer: Dr. Marie Smith

Introduction

This course starts by covering the basic grammar of MATLAB, and then moves on to realistic examples and exercises. Although it takes a while to master MATLAB it is really worth persisting, as with MATLAB you will be able to:

- Write scripts so that you can analyse your data quickly and efficiently
- Generate stimuli, images, sounds, movies according to precise specifications
- Use the PsycToolbox to run experiments with precise control over the timing and display of the stimuli (audio, visual etc.)
- Program experiments that adapt on-line as the subject performs the task
- Easily use state of the art software tools to analyse brain-imaging data, e.g. EEGLAB and FIELDTRIP for EEG and MEG data sets, SPM for fMRI data sets