

PSYCHTOOLBOX LAB(s)

verbatim commands to type in Matlab are in this font - you can copy and paste these commands into the Matlab window or scripts to test them out!

This tutorial is composed in parts of the PsychToolbox tutorial, created by Ione Fine at UW (<http://argentum.ucbso.berkeley.edu/PTBtutorial>), as well as custom adapted code, much of which comes from Keith Schneider, PhD (York University). Note that PTBx.pdf files come from the original tutorial by Ione Fine, whereas PTBx_NITP.pdf are the versions adapted for NITP (use the latter).

PART 1 – Matlab Intro

(optional)

PTB1_NITP.pdf - This section will introduce you to core commands that will help you manage your workspace in Matlab. MatlabIntroIntensive.pdf will give you a detailed intro – if you feel you want more examples. MatlabProgrammingStyleGuide.pdf is exactly that, for reference.

PART 2 – PTB Core Commands

(~60-90 min)

PTB2_NITP.pdf - This section will introduce the core capabilities of PTB (showing stimuli, collecting responses, writing to file). In short, this is the heart and soul of PTB.

PART 3 & 4 – Building an Experiment (2 demos)

(~60-90 min)

In part 3 (PTB3_NITP.pdf) you will be guided through building an audio-visual experiment. This section is complex for a Matlab novice. If this is too much for you to digest in this course – just walk through the steps to be familiar, then move to the simpler, face-adaptation experiment demo in Part 4 (PTB4_NITP.pdf).

PART 5 – Additional demos and code

This section contains an additional code demos – for psychophysics thresholding and the Quest experiment. It also contains templates for file input/output commands.

Remember that you can find many, many examples of experiments, and helpful code on the PTB wiki (as well as on personal lab websites):

*<http://docs.psychtoolbox.org/Psychtoolbox> and
<http://psychtoolbox.org/wikka.php?wakka=HomePage/backlinks>*
