

Initializing spm8 Batch

A command line command to drive batch processing to coregister the 'overlay' to fmri analyze image.

The 'coregOverlay' command builds a script in the directory:

matlabScripts/spm8Batch/coregOverlay/YYYY_MM directory

directly below the current directory and will launch this script in background. The names of the matlab and shell scripts will be in the format of :

coregOverlay_yymmdd_HH_MM_[USER]_[COMPUTER].m and
coregOverlay_yymmdd_HH_MM_[USER]_[COMPUTER].sh

where yymmdd is the date and HH_MM is the time.

This script is expecting to find the necessary components in the directory structure of :

```
yymmddLF/                                (subject directory)
  anatomy/
  func/
    coReg/
    run_XX/
```

Usage:

coregOverlay [OPTIONS] [subject_1] [subject_2] ... [subject_N]

Options

Key Parameter	Description
-a sub-directory	set relative path for anatomy directory, default=anatomy
-d	enable debug flag.
-D	enable super debug flag.
-f sub-directory	set relative path functional directory, default=func
-M SUBJECTMASTER	set the directory to scan for subjects, default is Subjects/
-n PrependName	name to add to output file name, default is none.
-o OverlayName	name of overlay file, default is 'ehtlooverlay'
-O OtherName	name of other file to process, you can specify relative path or absolute path, the path can also have generic with subject name substitute wherever [S] is in filename/path. If relative path, then assume to look in the anatomy directory. default is none.
-r	set reslice flag to 1, reslice also default 0, mutually exclusive with '-R'
-s SUB-DIRECTORY	set sub-directory name under 'run_XX', default is none.
-t	enable testing flag, script will be built but not run.

-U user-email set the user name for email notification,
 default is "rcwelsh" of present shell.

-v volume-wild set the volume name wild-card,
 default "raprun".

-w sub-directory set coregistration path under func,
 default=coReg

e.g.

To coregister the 'hetlooverlay.img' to the first 'raprun' found in
the first 'run' (e.g. run_1, or run_01) of the experiment.
The run directory is expected to live in the 'func/' directory.

```
coregOverlay -f func/MSIT 050126zz
```

or optionally look for the first avol image in the func/MSIT/run_01/ra_img

```
coregOverlay -w coReg8 -f func/MSIT -v arun -s ra_img 050126zz
```

Current command default configuration is:

```
anatomy path            : anatomy/
directory to coreg      : func//coReg//
functional sub-dir      :
functional images       : raprun
name of overlay image   : ehtlooverlay
reslice option          : 0
prepending name        :
Other images            : 0

functional images path   : func/
Subject directory        : Subjects/

spm8 is located in      : /net/dysthymia//spm8
spm8Batch is located in : /net/dysthymia//spm8Batch
spm8 patch is located in : /net/dysthymia//spm8Batch/matlabScripts
auxillary matlab path   : /net/dysthymia//spm8Batch/spm8_patch

User                    : rcwelsh
MATLAB                  : /net/misc/matlab2007b/bin/matlab

SANDBOXHOST            : dysthymia
SANDBOX                : /dysthymia/sandbox/
SANDBOXPID             :
```

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