

## Initializing spm8 Batch

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

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

matlabScripts/spm8Batch/coregHiRes/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 :

```
coregHiRes_yymmdd_HH_MM_[USER]_[COMPUTER].m   and  
coregHiRes_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:

```
coregHiRes [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
-h HiResName	name of high resolution file, default is 'ehtlspgr'
-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'
-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.

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

e.g.

To coregister the 'hetlspgr.img' to the 'hetlooverlay.img' that has been coreg'd  
to the fMRI times series and to drop the results in 'func/MSIT/coReg' :

coregSPGR -w MSIT/coReg 050126zz

Current command default configuration is:

anatomy path            : anatomy/  
directory to coreg      : func//coReg/  
name of overlay image   : ehtlooverlay  
name of hisres image    : ehtlspgr  
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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