Image Processing 8

Registration

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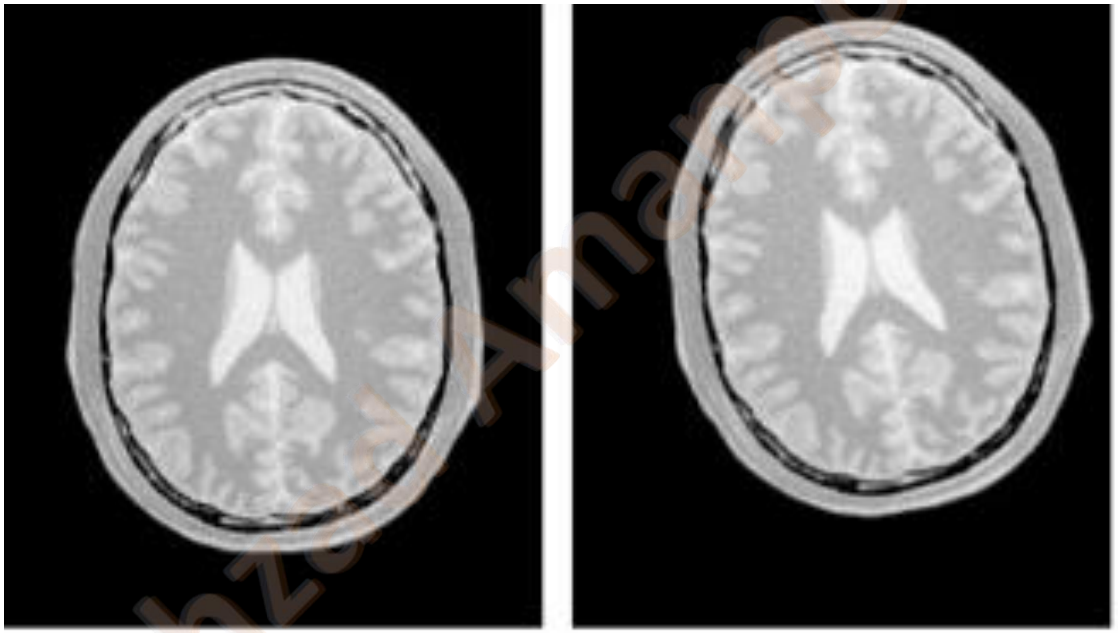
Motion



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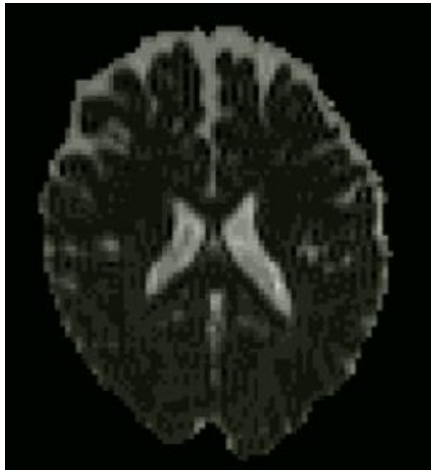
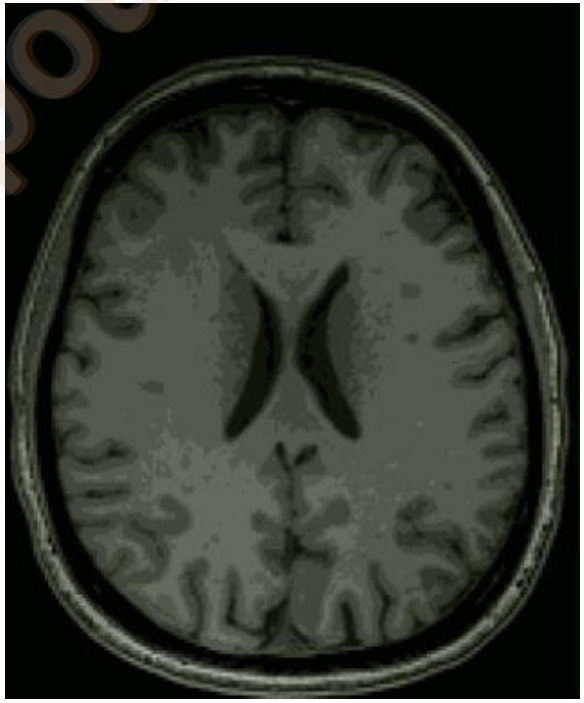
https://doi.org/10.1016/j.patcog.2016.01.024

Different Modalities





IKHC patient

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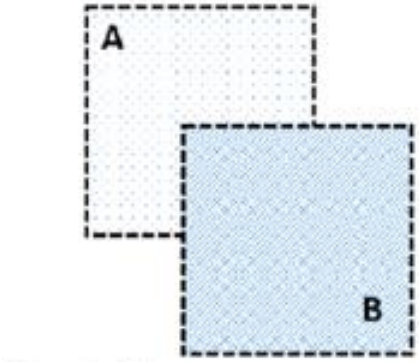
Methods

Rigid



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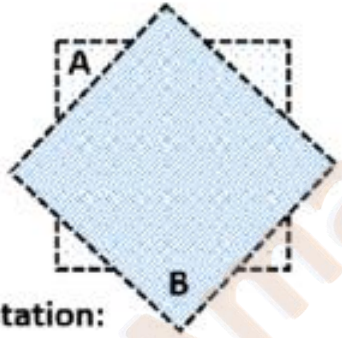

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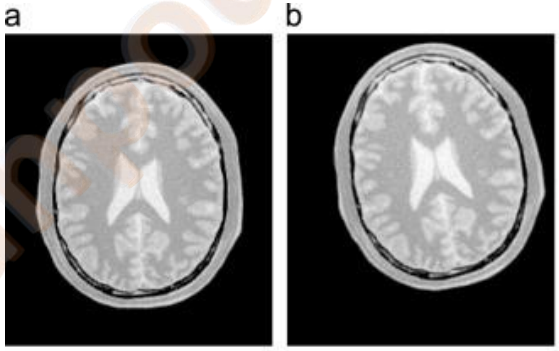
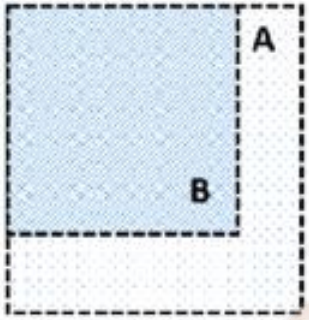


Affine



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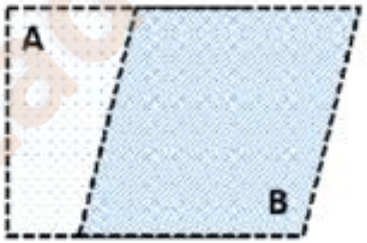

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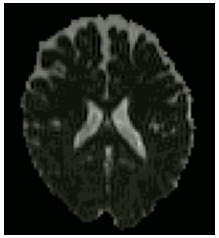

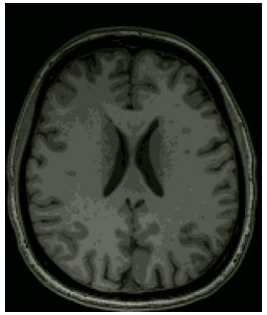

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DOI:10.1117/1.JBO.22.6.066013

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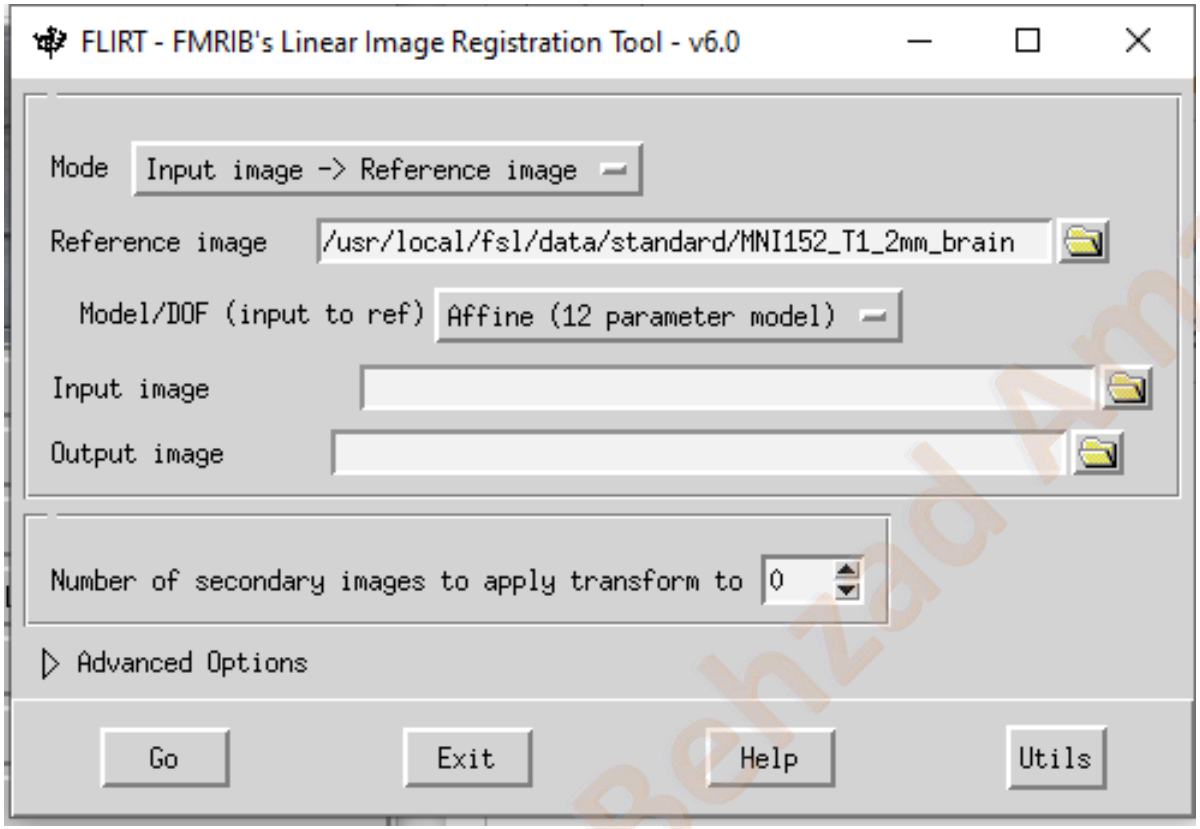
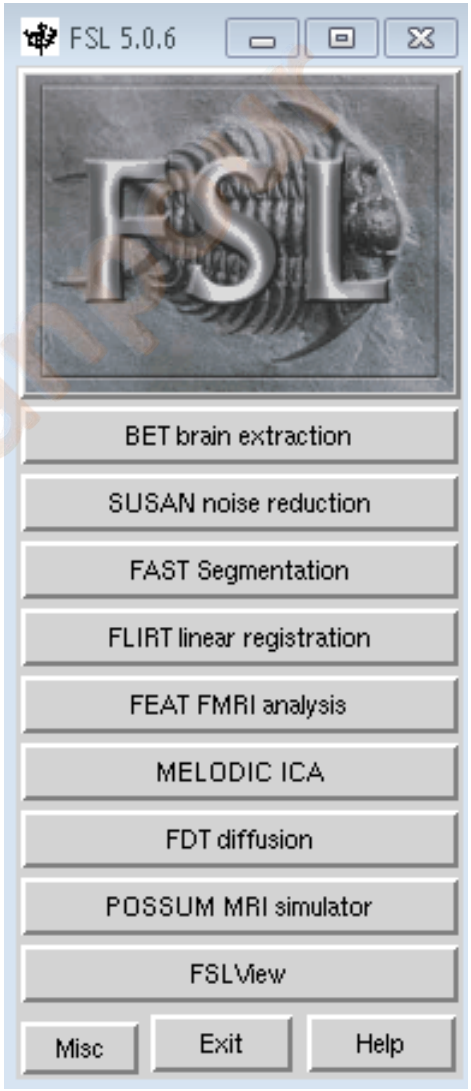
FMRIB Software Library (FSL)





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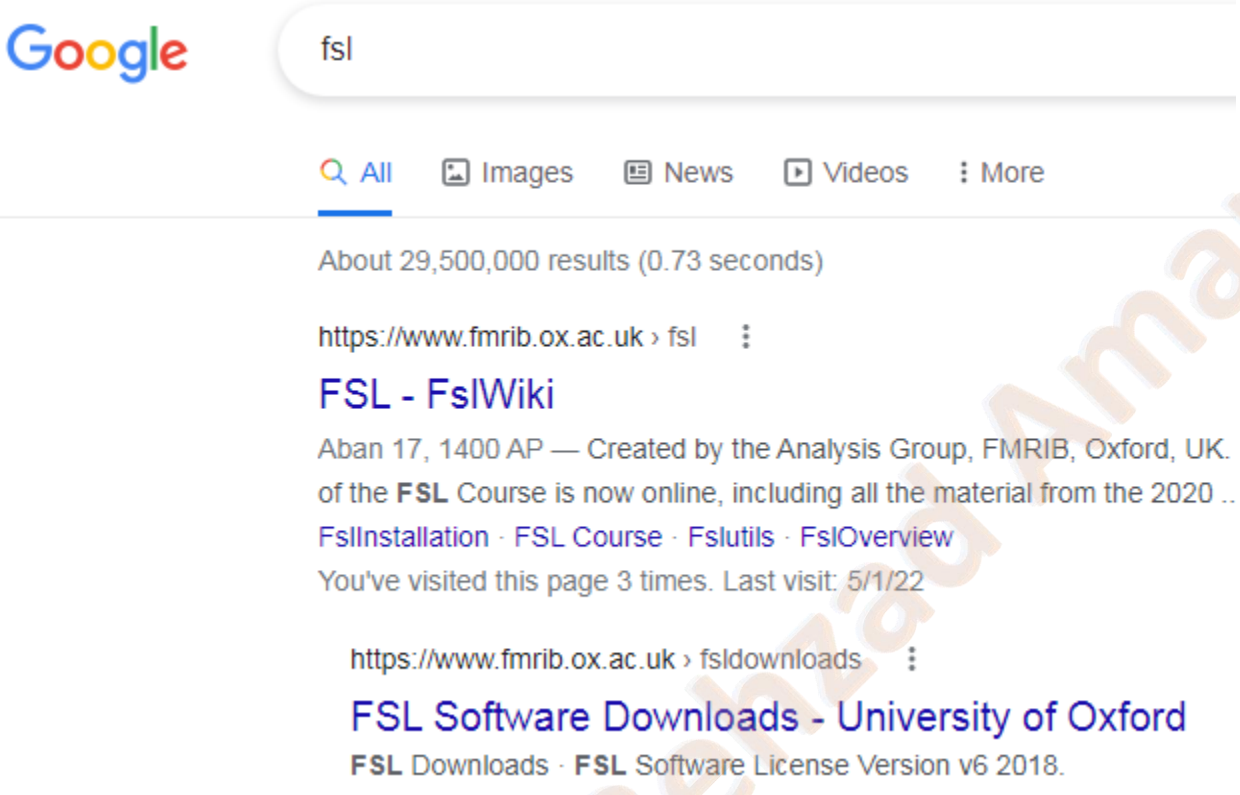
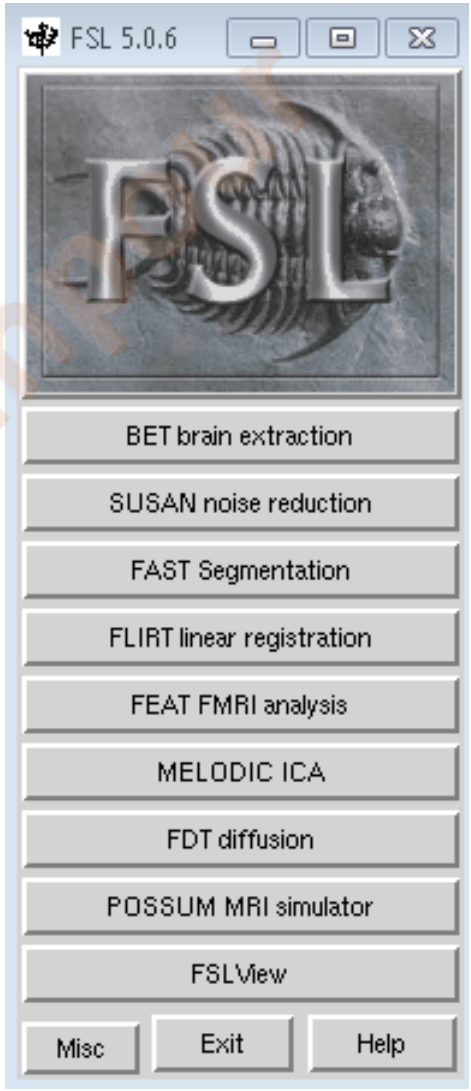
FMRIB Software Library (FSL)





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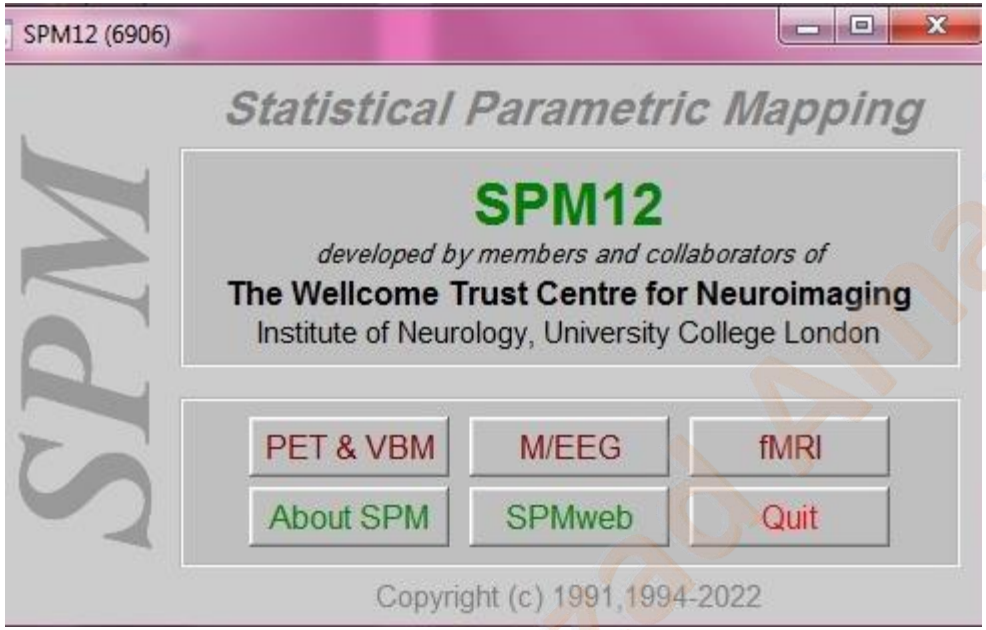
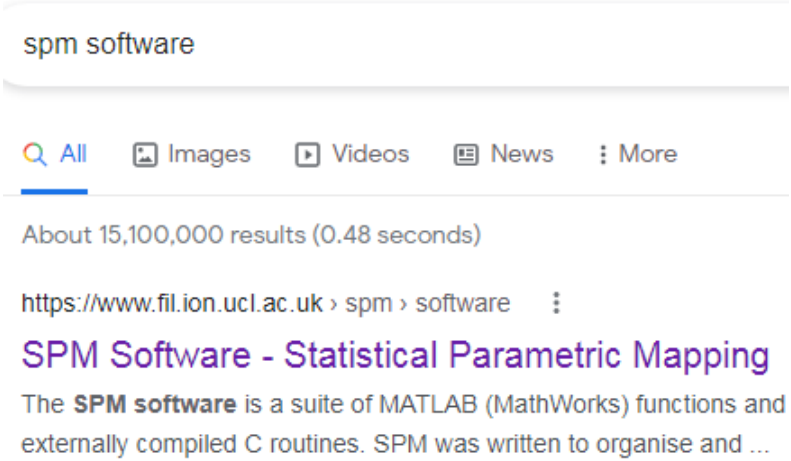
SPM





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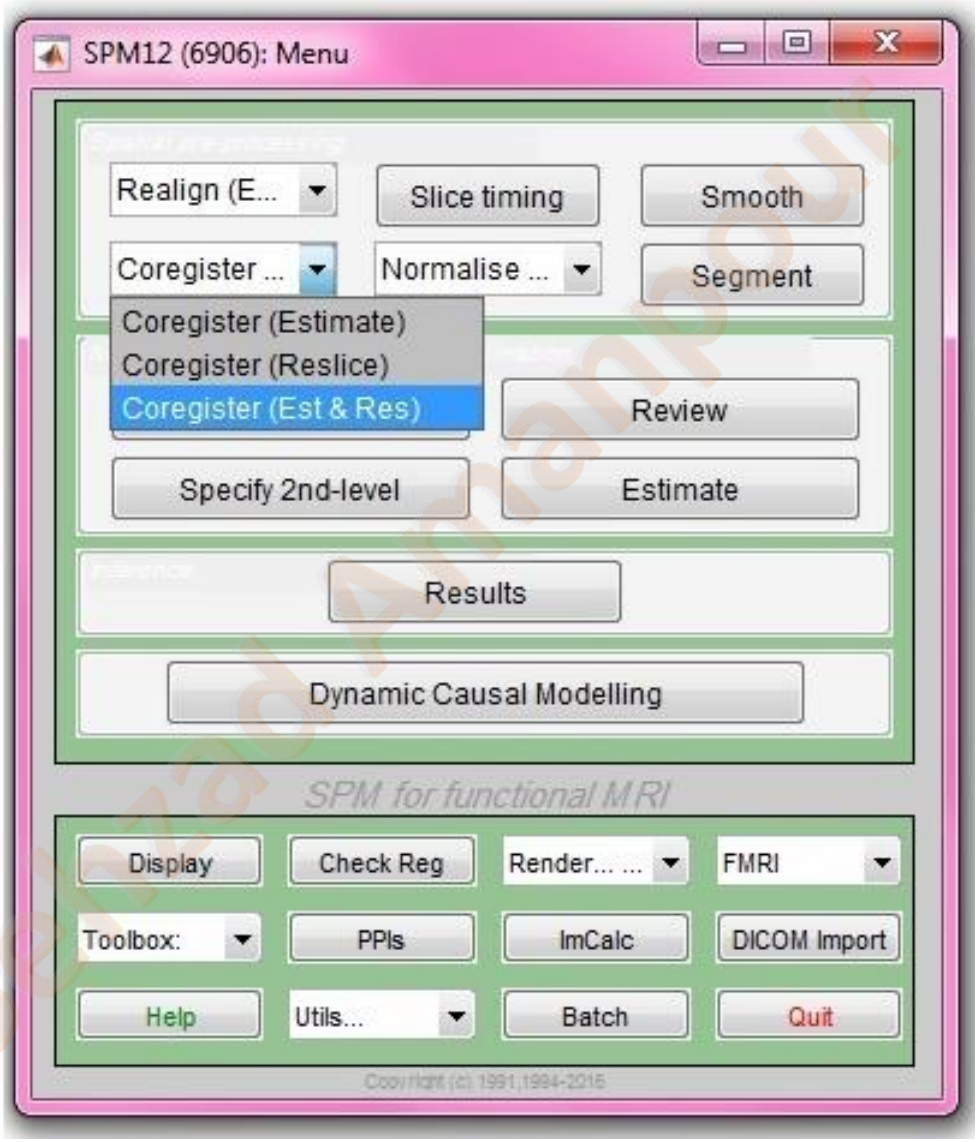
SPM

MATLAB R2020b
HOME
PLOTS
APPS
New Script
New Live Script
New
Open
Find Files
Compare
FILE
Simulink
SIMULINK
Layout
Preferences
Set Path
Parallel
ENVIRONMENT
C: ▸ Amanpour.vip ▸ Image_Processing ▸ 8_Image Registration
Current Folder
Name
Command Window
>> spm
SPM12 (6906)
Statistical Parametric Mapping
SPM12
developed by members and collaborators of
The Wellcome Trust Centre for Neuroimaging
Institute of Neurology, University College London
PET & VBM
M/EEG
fMRI

SPM



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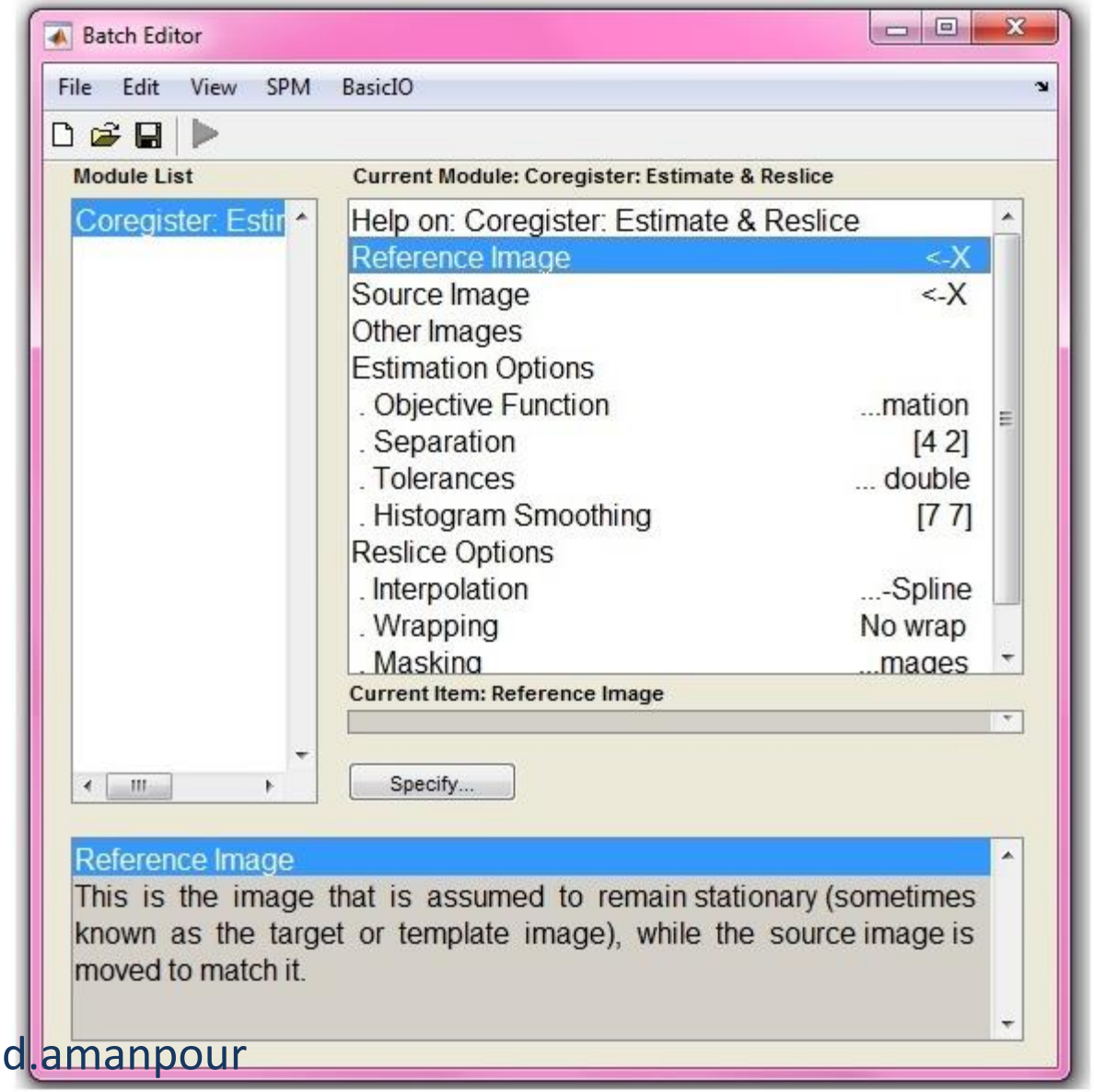
Batch Editor
File Edit View SPM BasicIO
Module List
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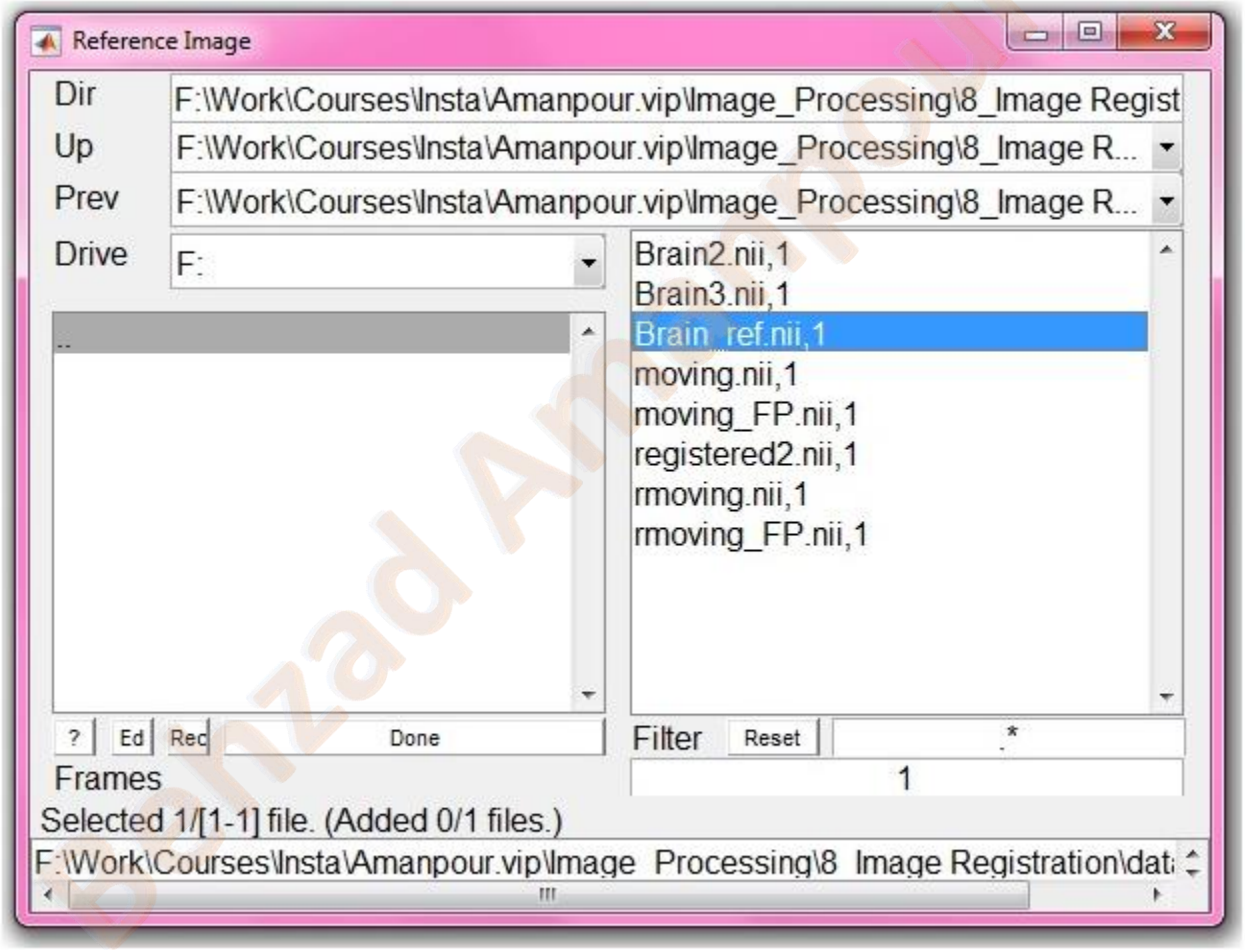
Coregister: Estir
Help on: Coregister: Estimate & Reslice
Reference Image <-X
Source Image <-X
Other Images
Estimation Options
. Objective Function ...mation
. Separation [4 2]
. Tolerances ... double
. Histogram Smoothing [7 7]
Reslice Options
. Interpolation ...-Spline
. Wrapping No wrap
. Masking ...mages
Current Item: Reference Image
Specify...
Reference Image
This is the image that is assumed to remain stationary (sometimes known as the target or template image), while the source image is moved to match it.

SPM



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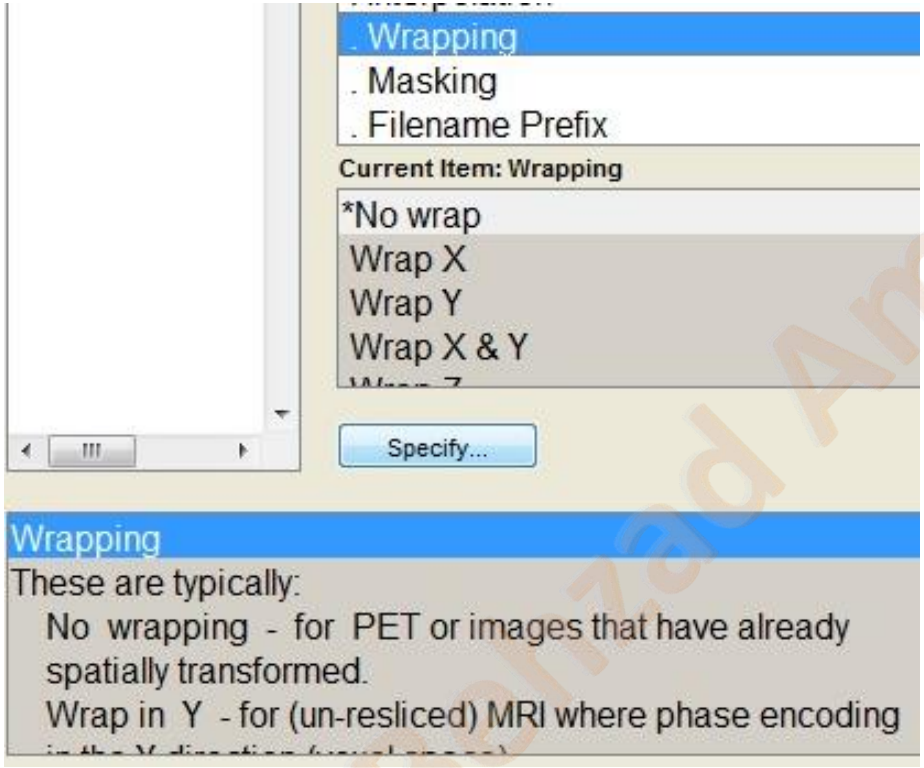

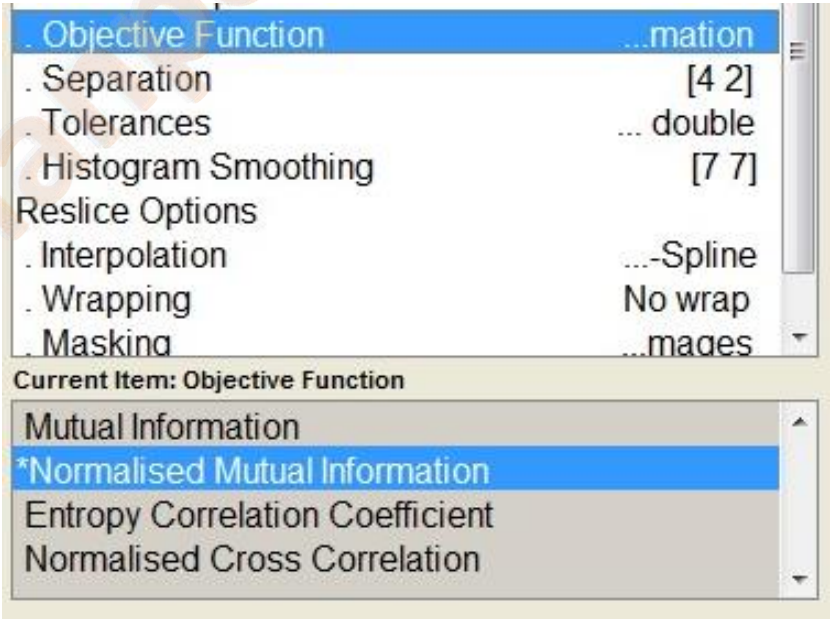

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