## MP2RAGE processing

All mp2rage data is stored on the mp2rage folder. The important dicom folders are called:

Series\_XXX\_MP2RAGE\_0.7\_RR\_UniformSens\_MAG

Series\_XXX\_MP2RAGE\_0.7\_RR\_UniformSens\_PHS

Converting them to nifti using dcm2nii \* command, you’ll get two nifti files. Rename these two in the following way:

1st: For the one corresponding to the magnitude (MAG) data:

mp2rage\_magnitude.nii.gz

2nd: For the one corresponding to the phase (PHAS) data:

mp2rage\_phase.nii.gz

Then on the following script:

mp2rage\_processing.sh

1. Make sure that the MATLAB folder directory is correct
2. Make sure that the spm folder directory is correct
3. Make sure that the scriptdir directory is correct
4. Make sure that the fsldir directory is correct
5. mysubjs is the array of strings of the subject’s folder name you want to process.

Important OUTPUT files:

n4mag0000\_PSIR\_skulled\_std.nii : this is the mp2rage combined in standard orientation.

n4mag0000\_PSIR\_skulled\_std\_struct\_brain.nii : this is the brain extracted mp2rage.

n4mag0000\_PSIR\_skulled\_std\_struct\_brain\_mask.nii.gz : this is the brain mask.