

Chapter 3 & 5 Extracting T1, T2 and DTI.





DTI

Chapter 5 mri_convert dt_recon

tensor.nii.gz

Segmentation

Chapter 3 & 4 recon all mri_binarize

surfaces

Nibabel & Numpy

Chapter 5 check_dti.py clean_dti_data.py

dti_data_to_mesh.py mesh w/ tensor

SVMTK

Chapter 3 & 4Surface repair Mesh generation Mesh tags

meshio

Mesh conversion

FEniCS

Chapter 3 & 6Scalar diffusion PDE

Tensor diffusion PDE





