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Short Info

Education

BSc Technological Institution of Athens, Computer Science, GR

MSc Neuroscience and Robotics, University of Crete, GR

PhD, Medical Imaging, University of Cambridge, UK

Software

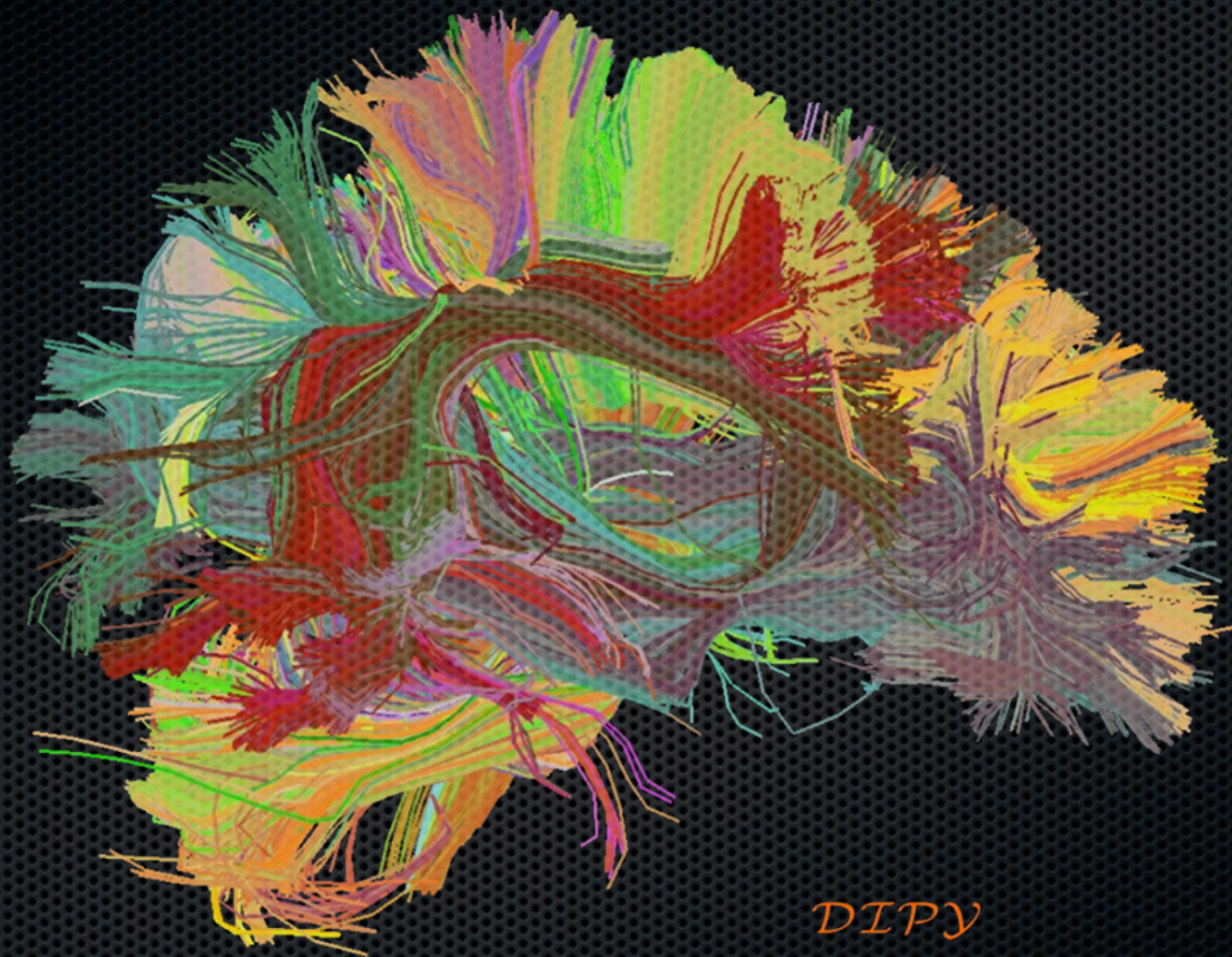
Lead software engineer at dipy.org (dMRI analysis)

Lead software engineer at fos.me (vizualization)



TOWARDS AN ACCURATE BRAIN
TRACTOGRAPHY





DIPY



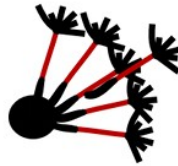
NSERC
CRSNG

Fonds de recherche
sur la nature
et les technologies

Québec 



UNIVERSITÉ DE
SHERBROOKE



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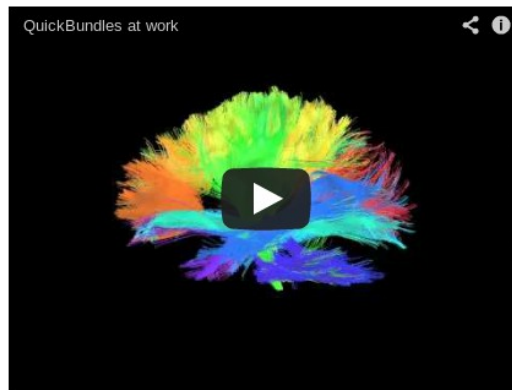
Diffusion Imaging In Python

Dipy is a **free** and **open source** software project for **diffusion magnetic resonance imaging (dMRI) analysis**.

Highlights

In **Dipy** we care about methods which can solve complex problems efficiently and robustly. QuickBundles is one of the many state-of-the-art applications found in **Dipy** which can be used to simplify large datasets of streamlines. See our examples and try QuickBundles with your data [examples_index](#). Here is a video of QuickBundles applied on a simple dataset.

QuickBundles at work



Getting Started

Here is a simple example showing how to calculate fractional anisotropy (FA). We use a single Tensor model to reconstruct the datasets which are saved in the Nifti file along with the b-values and b-vectors which are saved as text files. For quick execution we use only a few voxels with 101 gradients:

```
from dipy.data import get_data
```

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