

Fourier transform for Mass Spectrometry course

Marc-André Delsuc - Joensuu August 2018

This course is realized in python in the Jupyter-notebook environment.

For the Fourier Transform course

I will be using a live python computing environment.

If you want to play with the program, you'll need

- Anaconda Python distribution: <https://www.anaconda.com/>
(<https://www.anaconda.com/>)

download and install

- the python code: https://github.com/delsuc/Fourier_Transform
(https://github.com/delsuc/Fourier_Transform) just download the whole stuff

unzip the archive

go to the folder, then type

```
> jupyter notebook
```

that should make it

Organisation :

- [jupyter environment \(Jupyter_environment.ipynb\)](#) first contacts, a glimpse on python (you can find a longer presentation on [github.com/delsuc](https://github.com/delsuc/MemoBio2015/blob/master/Presentation.ipynb) (<https://github.com/delsuc/MemoBio2015/blob/master/Presentation.ipynb>))
- [Fourier transform: definitions, basic properties \(Definition_Properties.ipynb\)](#) basis of Fourier transform
- [basic FT-MS processing \(Basic_FT.ipynb\)](#) an interactive practical on the fundamentals of Fourier transform
- [advanced FT-MS processing \(FTICR_1.ipynb\)](#), a complete processing of a FT-ICR dataset