Computer Simulations in Physics 2021/2022

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4 marca 2022

Lecture 1

Python Introduction, very general. Course website
Lecture 1 presentation
Packages needed for the course:

- NumPy

- SciPy

- MatPlotLib

Tools needed:

- Python > 3.0

- Jupyter Notebook *(optional)*

Interesting submodules of **scipy**:

- `scipy.constants` - Physical constants

- `scipy.special` - Special Functions

- `scipy.integrate` - `scipy.integrate.quad` is an interface for `QUADPACK` FORTRAN integration package

The presentations for tutorials: Basic Python Tutorial Intro to NumPy and MatPlotLib