

Computer Simulations in physics 2021/2022

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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