Overview of Basic Math Operations in Python

1. Use as calculator: algebra (+, -, /, \*)
2. Integer versus float
3. Imaginary numbers
4. Exponentiating (\*\*) and root (\*\*(1/n))
5. Differentiating
6. Integrating
7. Defining a function
8. Plotting in 2D
9. Plotting in 3D?

Notebooks for advanced math operations

1. Path integral (numerical)
2. Fourier transform
3. (Matrix diagonalization)
4. (D-criterion)
5. Ordinary differential equation 2nd order, homogeneous
6. Ordinary differential equation 2nd order, inhomogeneous