Technical University of Lodz
Institute of Electronics

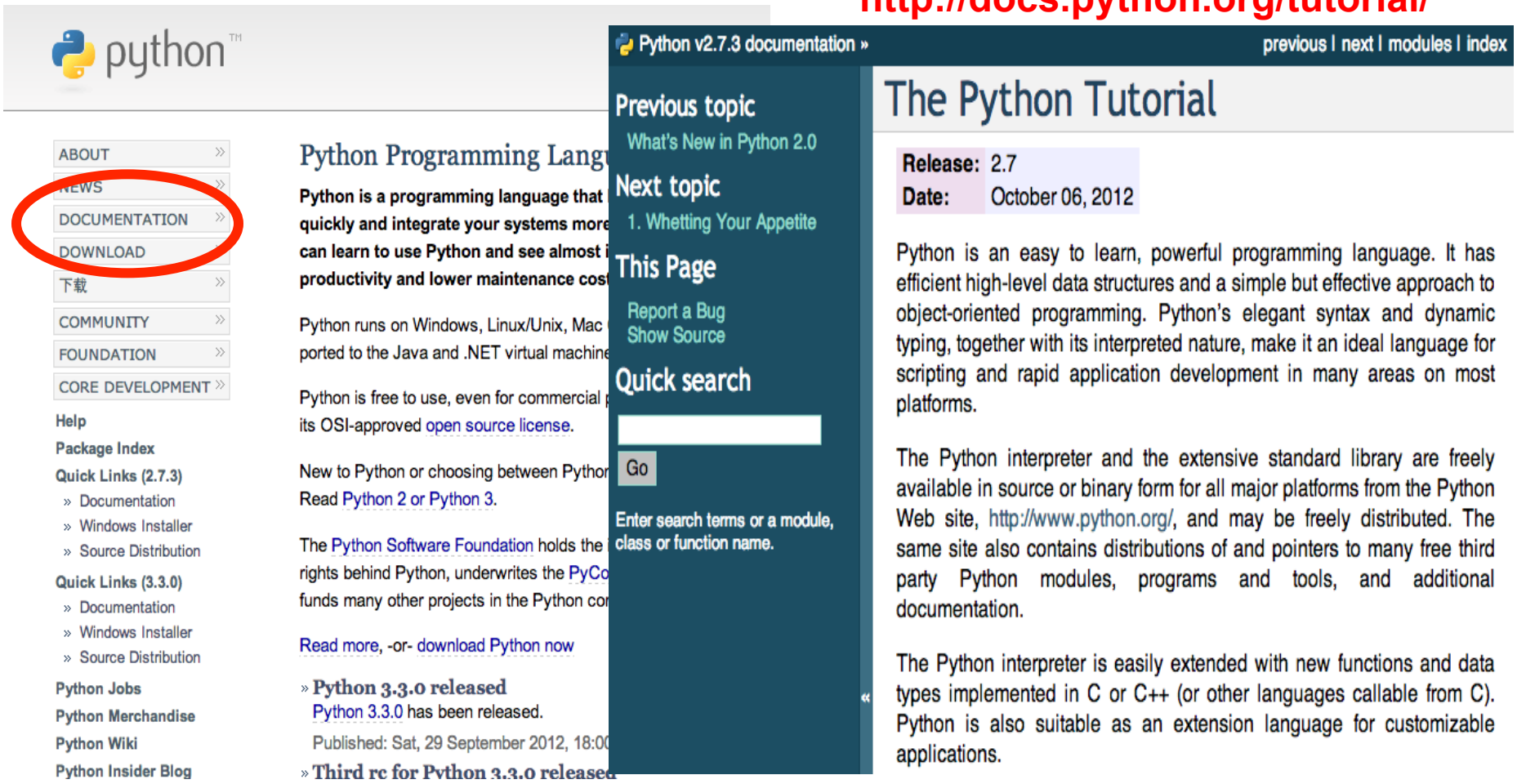
Algorithms and Data Structures

Useful links

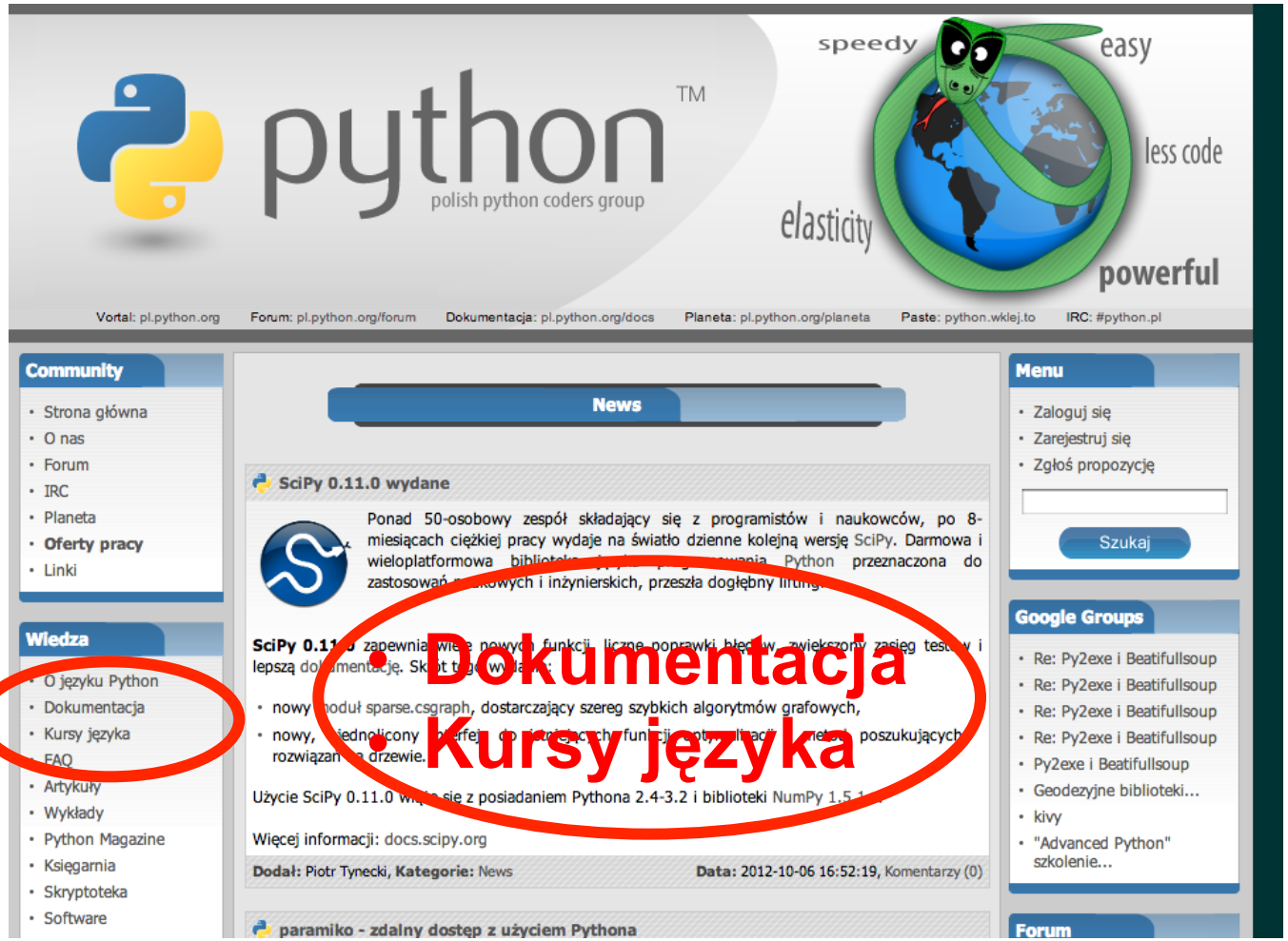
Łódź 2012

python.org

http://docs.python.org/tutorial/



pl.python.org

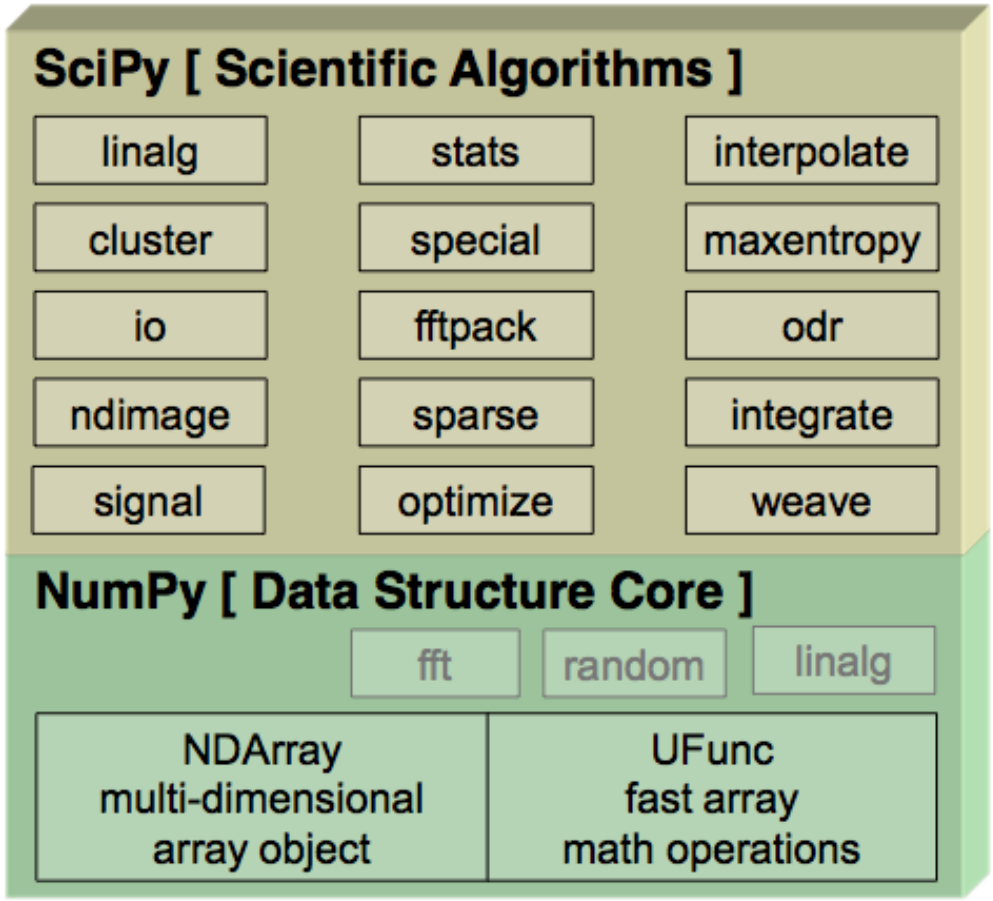


Numpy/Scipy

The fundamental packages for engineering/scientific computing!

ENTHOUGHT

NumPy and SciPy



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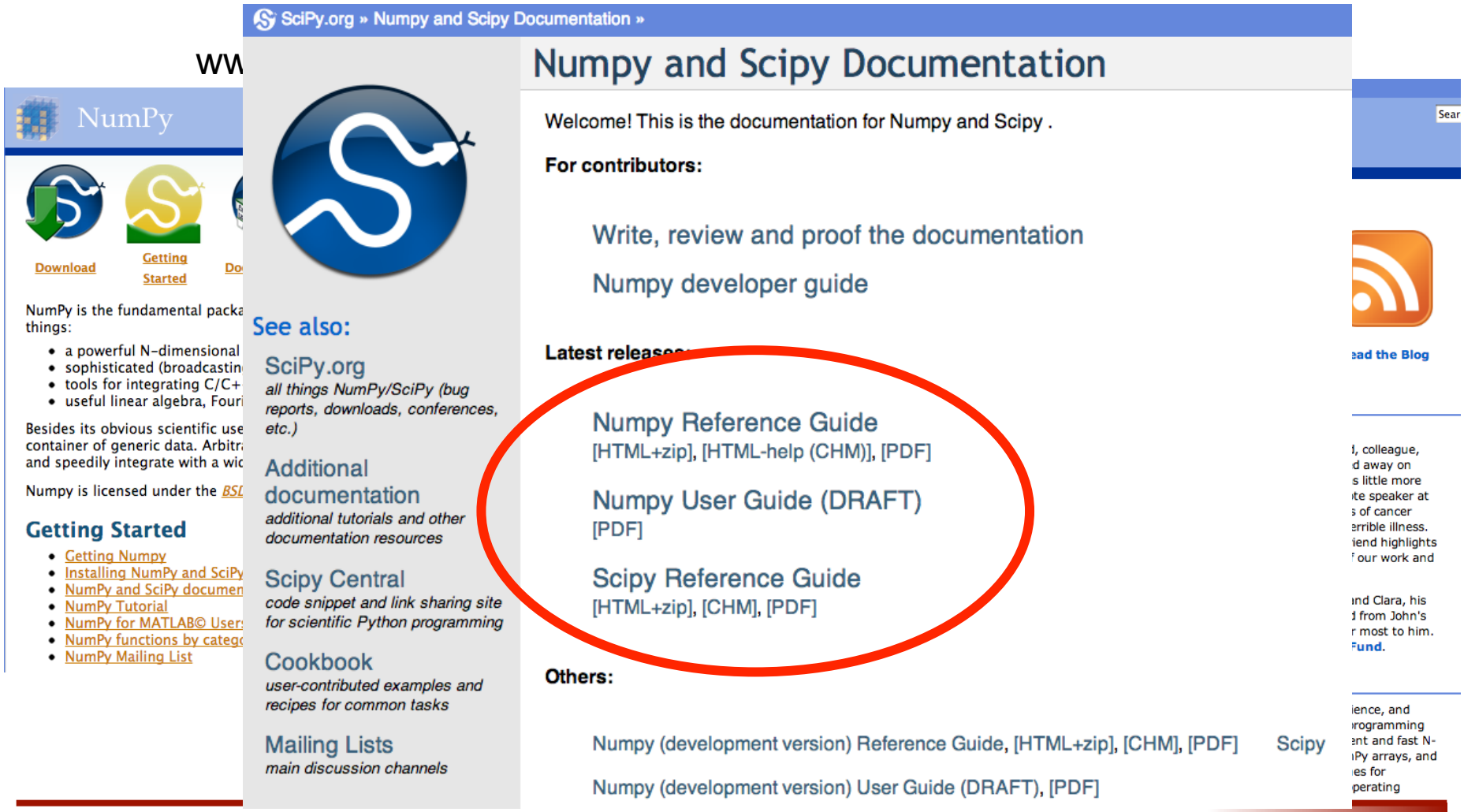
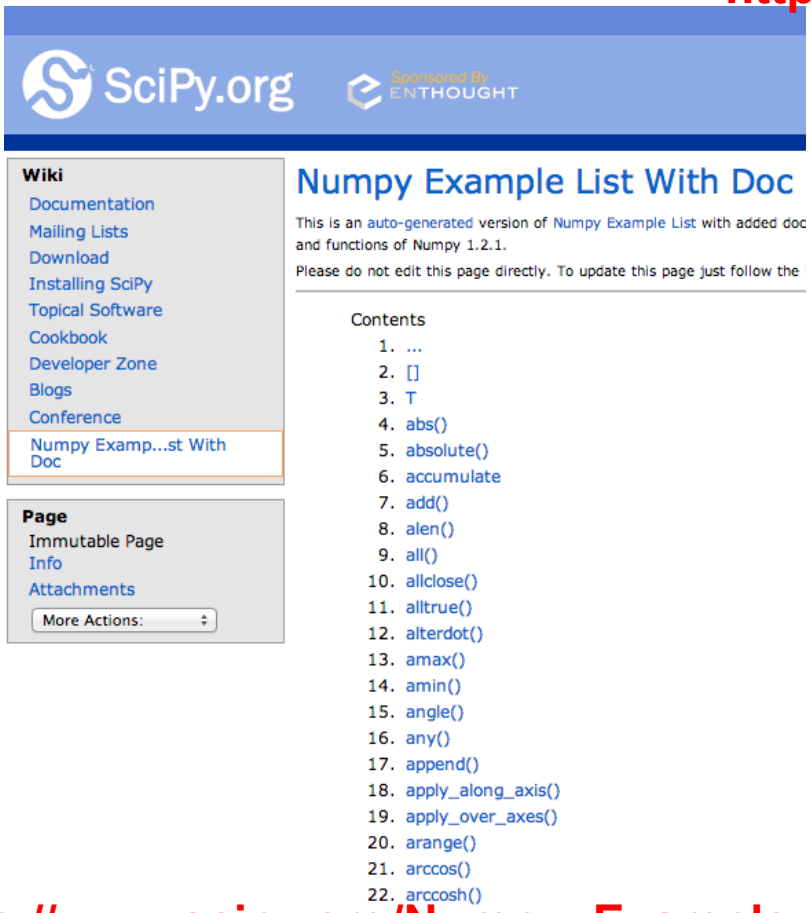
Numy/Scipy


SciPy.org » Numpy and Scipy Documentation »
Numpy and Scipy Documentation
Welcome! This is the documentation for Numpy and Scipy .
For contributors:
Write, review and proof the documentation
Numpy developer guide
Latest releases:
Numpy Reference Guide
[HTML+zip], [HTML-help (CHM)], [PDF]
Numpy User Guide (DRAFT)
[PDF]
Scipy Reference Guide
[HTML+zip], [CHM], [PDF]
Others:
Numpy (development version) Reference Guide, [HTML+zip], [CHM], [PDF]
Scipy
Numpy (development version) User Guide (DRAFT), [PDF]
See also:
SciPy.org
all things NumPy/SciPy (bug reports, downloads, conferences, etc.)
Additional documentation
additional tutorials and other documentation resources
Scipy Central
code snippet and link sharing site for scientific Python programming
Cookbook
user-contributed examples and recipes for common tasks
Mailing Lists
main discussion channels
NumPy
Download
Getting Started
NumPy is the fundamental packa
things:
a powerful N-dimensional
sophisticated (broadcastin
tools for integrating C/C+
useful linear algebra, Four
Besides its obvious scientific use
container of generic data. Arbitr
and speedily integrate with a wi
Numpy is licensed under the BSL
Getting Started
Getting Numpy
Installing NumPy and SciPy
NumPy and SciPy documen
NumPy Tutorial
NumPy for MATLAB© User
NumPy functions by categ
NumPy Mailing List

Numpy

http://www.scipy.org/Tentative_NumPy_Tutorial



http://www.scipy.org/Numpy_Example_List_With_Doc

Scipy

SciPy

Release: 0.11

Date: September 30, 2012

SciPy (pronounced "Sigh Pie") is open-source software for mathematics, science, and e

Reference

Matplotlib - http://matplotlib.org/

matplotlib

home | search | examples | gallery | docs »

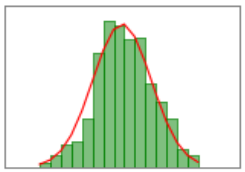
John Hunter (1968–2012)

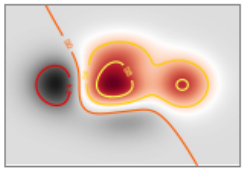
On August 28 2012, John D. Hunter, the creator of matplotlib, died from complications arising from cancer treatment, after a brief but intense battle with this terrible illness. John is survived by his wife Miriam, his three daughters Rahel, Ava and Clara, his sisters Layne and Mary, and his mother Sarah.

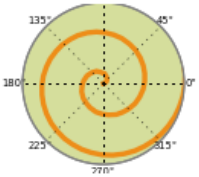
If you have benefited from John's many contributions, please say thanks in the way that would matter most to him. Please consider making a donation to the John Hunter Memorial Fund.

Introduction

matplotlib is a python 2D plotting library which produces publication quality figures in a variety of hardcopy formats and interactive environments across platforms. matplotlib can be used in python scripts, the python and ipython shell (ala MATLAB®* or Mathematica®†), web application servers, and six graphical user interface toolkits.







To be continued…

- http://www.enthought.com/
- http://docs.enthought.com/mayavi/mayavi/
- http://docs.enthought.com/mayavi/tvtk/
- http://code.enthought.com/projects/traits/
- http://code.enthought.com/projects/traits_ui/
- http://www.wxpython.org/
- http://wiki.wxpython.org/AnotherTutorial
- http://www.pythonware.com/library/index.htm
- http://www.pythonware.com/products/pil/
- http://www.pythonware.com/library/tkinter/introduction/index.htm
- http://www.pygame.org/news.html