
Публічна документація

Release 0

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1	Admonitions	1
1.1	topic	1
1.2	admonition	1
1.3	attention	1
1.4	caution	1
1.5	danger	1
1.6	error	2
1.7	hint	2
1.8	important	2
1.9	note	2
1.10	seealso	2
1.11	tip	2
1.12	todo	2
1.13	warning	2
2	API	3
3	Blocks	5
3.1	Block Quotes	5
3.2	Line Blocks	6
3.3	Monospace Blocks	6
4	Indices and tables	11

ADMONITIONS

Sphinx provides several different types of admonitions.

1.1 topic

This is a topic.

This is what admonitions are a special case of, according to the docutils documentation.

1.2 admonition

The one with the custom titles

It's got a certain charm to it.

1.3 attention

Attention: Climate change is real.

1.4 caution

Caution: Cliff ahead: Don't drive off it.

1.5 danger

Danger: Mad scientist at work!

1.6 error

Error: Does not compute.

1.7 hint

Hint: Insulators insulate, until they are subject to _____ voltage.

1.8 important

Important: Tech is not neutral, nor is it apolitical.

1.9 note

Note: This is a note.

1.10 seealso

See also:

Other relevant information.

1.11 tip

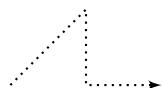
Tip: 25% if the service is good.

1.12 todo

1.13 warning

Warning: Reader discretion is strongly advised.

Ласкаво просимо до раю



Дуже страшна формула $a^2 + b^2 = c^2$.

$$y = ax^2 + bx + c \quad (2.1)$$

$$f(x) = x^2 + 2xy + y^2 \quad (2.2)$$

3.1 Block Quotes

Block quotes consist of indented body elements:

My theory by A. Elk. Brackets Miss, brackets. This theory goes as follows and begins now. All brontosaurus are thin at one end, much much thicker in the middle and then thin again at the far end. That is my theory, it is mine, and belongs to me and I own it, and what it is too.

—Anne Elk (Miss)

3.1.1 Epigraph

<https://docutils.sourceforge.io/docs/ref/rst/directives.html#epigraph>

My theory by A. Elk. Brackets Miss, brackets. This theory goes as follows and begins now. All brontosaurus are thin at one end, much much thicker in the middle and then thin again at the far end. That is my theory, it is mine, and belongs to me and I own it, and what it is too.

—Anne Elk (Miss)

3.1.2 Pull quotes

<https://docutils.sourceforge.io/docs/ref/rst/directives.html#pull-quote>

My theory by A. Elk. Brackets Miss, brackets. This theory goes as follows and begins now. All brontosaurus are thin at one end, much much thicker in the middle and then thin again at the far end. That is my theory, it is mine, and belongs to me and I own it, and what it is too.

—Anne Elk (Miss)

3.1.3 Highlights

<https://docutils.sourceforge.io/docs/ref/rst/directives.html#highlights>

My theory by A. Elk. Brackets Miss, brackets. This theory goes as follows and begins now. All brontosaurus are thin at one end, much much thicker in the middle and then thin again at the far end. That is my theory, it is mine, and belongs to me and I own it, and what it is too.

—Anne Elk (Miss)

3.2 Line Blocks

<https://docutils.sourceforge.io/docs/ref/rst/restructuredtext.html#line-blocks>

This is a normal text paragraph.

This is a line block. It ends with a blank line.

Each new line begins with a vertical bar (“|”).

Line breaks and initial indents are preserved.

Continuation lines are wrapped portions of long lines; they begin with a space in place of the vertical bar.

The left edge of a continuation line need not be aligned with the left edge of the text above it.

This is a second line block.

Blank lines are permitted internally, but they must begin with a “|”.

This is a normal text paragraph again.

3.3 Monospace Blocks

Sphinx supports many kinds of monospace blocks. This section is meant to showcase all of them that are known to the author of this page, at the time of writing.

3.3.1 Production List

<https://www.sphinx-doc.org/en/master/usage/restructuredtext/directives.html#directive-productionlist>

This directive is used to enclose a group of productions. Each production is given on a single line and consists of a name, separated by a colon from the following definition.

This just shows up as a vanilla <pre>, which is... both nice and a bit annoying.

```
try_stmt ::= try1_stmt | try2_stmt
try1_stmt ::= "try" ":" suite
            ("except" [expression [",," target]] ":" suite)+
            ["else" ":" suite]
            ["finally" ":" suite]
try2_stmt ::= "try" ":" suite
            "finally" ":" suite
            "this-is-intentionally-very-stupidly-long-to-make-sure-that-this-has-a-proper-scrollbar"
```

3.3.2 Literal Blocks

<https://www.sphinx-doc.org/en/master/usage/restructuredtext/basics.html#literal-blocks>

contains a block of text where line breaks and whitespace are significant and must be preserved

This is a normal text paragraph. The next paragraph is a code sample:

It is not processed in any way, except
that the indentation is removed.

It can span multiple lines.

This is a normal text paragraph again.

They can be quoted without indentation:

```
>> Great idea!
>
> Why didn't I think of that?
```

3.3.3 Doctest Blocks

<https://docutils.sourceforge.io/docs/ref/rst/restructuredtext.html#doctest-blocks>

Doctest blocks are interactive Python sessions cut-and-pasted into docstrings. They are meant to illustrate usage by example, and provide an elegant and powerful testing environment via the doctest module in the Python standard library.

Note: This is fine.

```
>>> print('Python-specific usage examples; begun with ">>>"')
Python-specific usage examples; begun with ">>>"
>>> print("(cut and pasted from interactive Python sessions)")
(cut and pasted from interactive Python sessions)
>>> print("This is an intentionally very long line because I want to make sure that we are handling
    ↪scrollable code blocks correctly.")
This is an intentionally very long line because I want to make sure that we are handling scrollable
    ↪code blocks correctly.
```

3.3.4 Parsed Literals

<https://docutils.sourceforge.io/docs/ref/rst/directives.html#parsed-literal-block>

It is equivalent to a line block with different rendering: typically in a typewriter/monospaced typeface, like an ordinary literal block. Parsed literal blocks are useful for adding hyperlinks to code examples.

```
# parsed-literal test
curl -O http://someurl/release-0.1.0.tar-gz
echo "This is an intentionally very long line because I want to make sure that we are handling
    ↪scrollable code blocks correctly."
```

3.3.5 Code Block

<https://docutils.sourceforge.io/docs/ref/rst/directives.html#code>

The “code” directive constructs a literal block [containing code].

This has an alias of code-block.

```
1 from typing import Iterator
2
3 # This is an example
4 class Math:
5     @staticmethod
6     def fib(n: int) -> Iterator[int]:
7         """Fibonacci series up to n"""
8         a, b = 0, 1
9         while a < n:
10             yield a
11             a, b = b, a + b
12
13
14 result = sum(Math.fib(42))
15 print("The answer is {}".format(result))
```

With caption

Listing 1: Code Blocks can have captions, which also adds a link to it.

```
{ "session_name": "shorthands",
  "windows": [
    {
      "panes": [
        {
          "shell_command": "echo 'This is an intentionally very long line because I want to make sure\n"
                           "that we are handling scrollable code blocks correctly.'"
        }
      ],
      "window_name": "long form"
    }
  ]
}
```

With line numbers

```
1 def some_function():
2     interesting = False
3     print("This line is highlighted.")
4     print("This one is not...")
5     print("...but this one is.")
6     print(
7         "This is an intentionally very long line because I want to make sure that we are handling
8          scrollable code blocks correctly."
8     )
```

With none highlighting

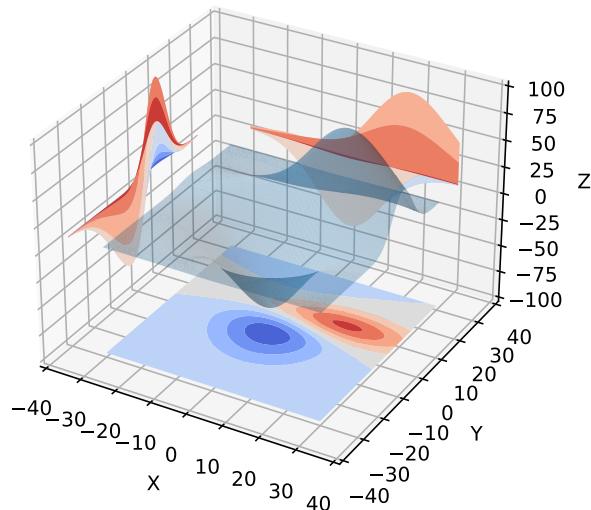
```
# Taken from https://en.wikipedia.org/wiki/Pseudocode#Example
algorithm ford-fulkerson is
    input: Graph G with flow capacity c,
           source node s,
           sink node t
    output: Flow f such that f is maximal from s to t

    (Note that  $f(u,v)$  is the flow from node u to node v, and  $c(u,v)$  is the flow capacity from node u to
     node v)

    for each edge  $(u, v)$  in GE do
         $f(u, v) \leftarrow 0$ 
         $f(v, u) \leftarrow 0$ 

    while there exists a path p from s to t in the residual network  $G_f$  do
        let  $cf$  be the flow capacity of the residual network  $G_f$ 
         $cf(p) \leftarrow \min\{cf(u, v) \mid (u, v) \text{ in } p\}$ 
        for each edge  $(u, v)$  in p do
             $f(u, v) \leftarrow f(u, v) + cf(p)$ 
             $f(v, u) \leftarrow f(v, u)$ 

    return f
```



INDICES AND TABLES

- genindex
- modindex
- search

This is a paragraph that contains a link¹.

¹ <https://domain.invalid/>