# Языки разметки

## Инструментарий Современного Программиста
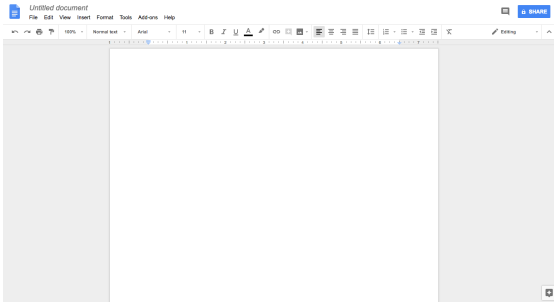
Иван Трепаков

NSU Sys.Pro

## What You See Is What You Get
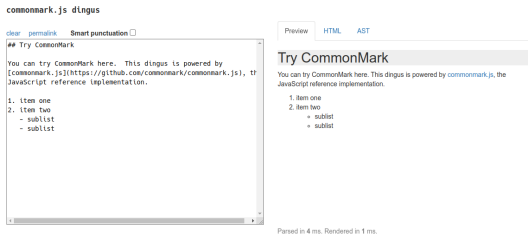### Microsoft Word, Google Docs



Google Docs

## What You See Is What You Mean
### Markdown, LaTeX, HTML



Markdown

# Markdown

### Полезные ресурсы
- Узнать Markdown за 60 секунд
- Markdown playground
- GitHub Flavored Markdown
- Pandoc User's Guide
- Presentation template

### Документы и отчеты
- Pandoc
- Jupyter Notebook

### Заметки
- `vim`
- Obsidian

### Презентации
- `pandoc` + `beamer`
- Slidev
- reveal.js

### Форматирование
- GitHub
- StackOverflow

### Web-сайты
- GitHub pages
- Jekyll

## Пример

```
\documentclass[12pt]{article}
\begin{document}

The well known Pythagorean theorem
$x^2 + y^2 = z^2$ was proved
to be invalid for other exponents.
Meaning the next equation has
no integer solutions:

\[ x^n + y^n = z^n \]

\end{document}
```

The well known Pythagorean theorem $x^2 + y^2 = z^2$ was proved to be invalid for other exponents. Meaning the next equation has no integer solutions:

$$x^n + y^n = z^n$$

Полезные ресурсы

- Overleaf
- Узнать LaTeX за 30 минут
- Russian template
- Beamer
- Ti*k*Z

Графы и диаграмы

- Graphviz
- Gnuplot
- Mermaid
- Matplotlib
- Ti*k*Z
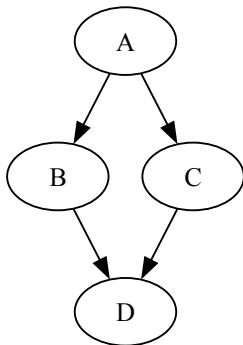
Пример

```
digraph G {
 A -> {B, C} -> D
}

$ dot -Tsvg example.gv \
     -o example.svg
```

Полезные ресурсы

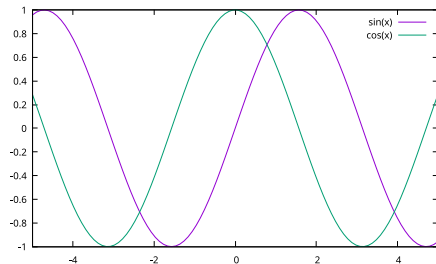- Graphviz Documentation
- Graphviz Gallery
- Online-редактор

Пример

```
$ gnuplot -p -e \
    "plot [-5:5] sin(x), cos(x)"
```

Полезные ресурсы
- Подробный туториал
- Gnuplot FAQ
- Галерея примеров

# Q&A