

# Языки разметки

## Инструментарий Современного Программиста

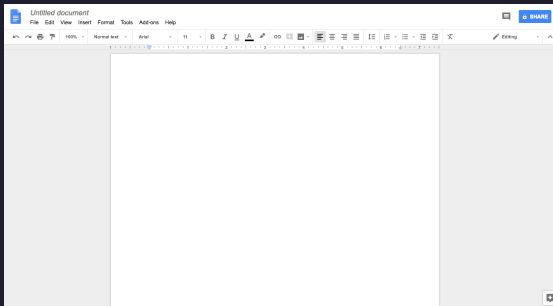
Иван Трепаков

NSU Sys.Pro

# WYSIWYG vs WYSIWYM

# What You See Is What You Get

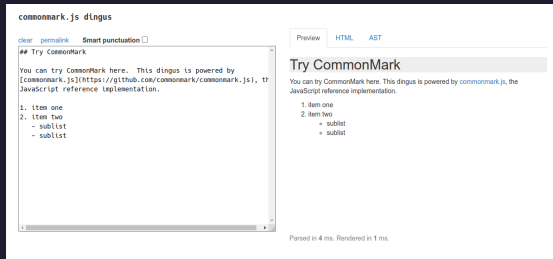
## Microsoft Word, Google Docs



# Google Docs

# What You See Is What You Mean

## Markdown, $\text{\LaTeX}$ , HTML

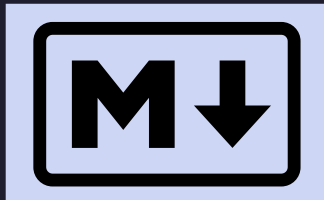


# Markdown

# 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  $\text{\LaTeX}$  за 30 минут
- Russian template
- Beamer
- TikZ

$\text{\LaTeX}$

## Графы и диаграммы

- Graphviz
- Gnuplot
- Mermaid
- Matplotlib
- TikZ

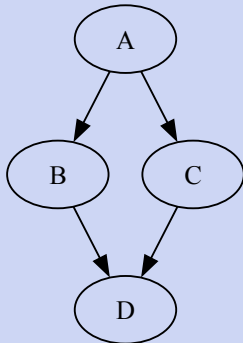
## Пример

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

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

## Полезные ресурсы

- [Graphviz Documentation](#)
- [Graphviz Gallery](#)
- [Online-редактор](#)

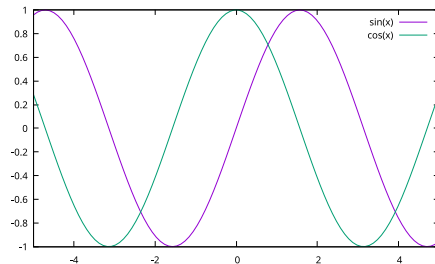


## Пример

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

## Полезные ресурсы

- [Подробный tutorial](#)
- [Gnuplot FAQ](#)
- [Галерея примеров](#)





Q&A