

Шаблон отчёта по лабораторной работе №2

Practical scientific writing

ДРАММЕХ МАРИАМА Л

Содержание

Список иллюстраций

Список таблиц

1 Цель работы

Целью данной лабораторной работы является ознакомление с работой с структурой документа Latex

2 Задание

1. Try adding text to your first document, typesetting and seeing the changes in your PDF.
2. Make some different paragraphs and add variable spaces.
3. Explore how your editor works; click on your source and find how to go to the same line in your PDF.
4. Try adding some hard spaces and see how they influence line-breaking.

3 Теоретическое введение

```
\documentclass{article}  
\usepackage[T1]{fontenc}  
\begin{document}  
Hey world!  
This is a first document.  
\end{document}
```

(см. Рис. **fig:001?**).

```
TEX First.tex X TEX second.tex TEX Third.tex TEX fourth.tex Build LaTeX project Ctrl+Alt+B  
TEX First.tex  
1 \documentclass{article}  
2 \usepackage[T1]{fontenc}  
3 \begin{document}  
4 Hey world!  
5 This is a first document.  
6 \end{document}
```

3.1 Running LaTeX

(см. Рис. №fig:002?).

```

PS C:\Users\User\OneDrive\Documents\LAB02 Scientific> pdflatex first.tex
This is pdfTeX, Version 3.141592653-2.6-1.40.28 (TeX Live 2025) (preloaded
format=pdflatex)
restricted \write18 enabled.
entering extended mode
./First.tex
LaTeX2e <2025-06-01> patch level 1
L3 programming layer <2025-09-02>
(c:/texlive/2025/texmf-dist/tex/latex/base/article.cls
Document Class: article 2025/01/22 v1.4n Standard LaTeX document class

```

(см. Рис. №fig:003?).

```

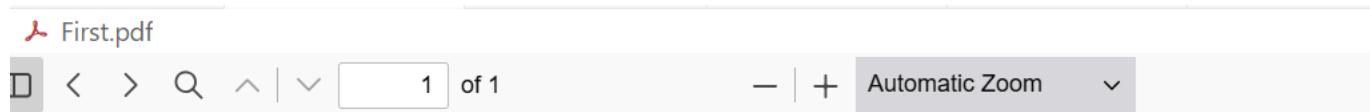
L3 programming layer <2025-09-02>
(c:/texlive/2025/texmf-dist/tex/latex/base/article.cls
Document Class: article 2025/01/22 v1.4n Standard LaTeX document class
(c:/texlive/2025/texmf-dist/tex/latex/base/size10.clo))
(c:/texlive/2025/texmf-dist/tex/latex/base/fontenc.sty)
(c:/texlive/2025/texmf-dist/tex/latex/l3backend/l3backend-pdftrd.def)
No file First.aux.
] (./First.aux) )<c:/texl
ive/2025/texmf-dist/fonts/type1/public/cm-super/sfrm1000.pfb>
Output written on First.pdf (1 page, 15643 bytes).

```

(см. Рис. №fig:004?).

Name	Status	Date modified	Type	Size
First.aux	✓	24/01/2026 10:12 pm	AUX File	1 KB
First	✓	24/01/2026 10:12 pm	Text Document	3 KB
First	✓	24/01/2026 10:12 pm	WPS PDF Document	16 KB
First	✓	24/01/2026 9:21 pm	Исходный файл LaTeX	1 KB
fourth.aux	✓	24/01/2026 10:46 pm	AUX File	1 KB
fourth	✓	24/01/2026 10:46 pm	Text Document	6 KB
fourth	✓	24/01/2026 10:46 pm	WPS PDF Document	60 KB
fourth	✓	24/01/2026 10:45 pm	Исходный файл LaTeX	2 KB
second.aux	✓	24/01/2026 10:38 pm	AUX File	1 KB
second.fdb_latexmk	✓	24/01/2026 10:36 pm	FDB_LATEXMK File	4 KB
second.fl	✓	24/01/2026 10:36 pm	FLS File	3 KB
second	✓	24/01/2026 10:38 pm	Text Document	4 KB
second	✓	24/01/2026 10:38 pm	WPS PDF Document	32 KB
second	✓	24/01/2026 10:36 pm	Исходный файл LaTeX	1 KB
Third.aux	✓	24/01/2026 10:41 pm	AUX File	1 KB

(см. Рис. *fig:005?*).

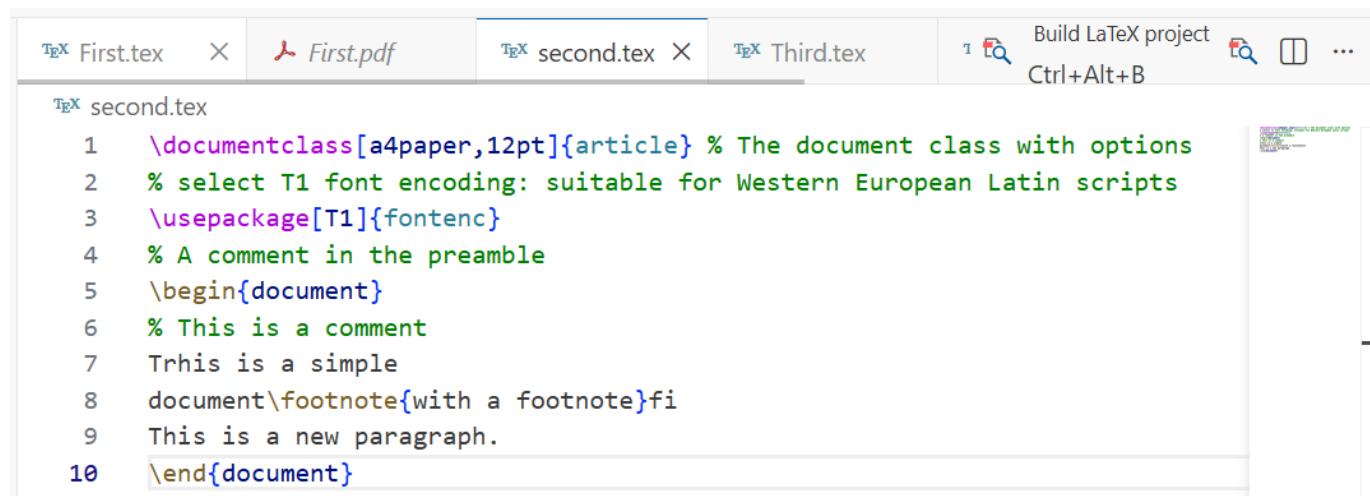


Hey world! This is a first document.

3.2 Документ TeXlive с НИЖНИМ КОЛОНТИУЛОМ

```
\documentclass[a4paper,12pt]{article} % The document class with options
% select T1 font encoding: suitable for Western European Latin scripts
\usepackage[T1]{fontenc}
% A comment in the preamble
\begin{document}
% This is a comment
This is a simple
document\footnote{with a footnote}fi
This is a new paragraph.
\end{document}
```

(см. Рис. *fig:006?*).



(см. Рис. *fig:007?*).

```
PS C:\Users\User\OneDrive\Documents\LAB02 Scientific> pdflatex second.tex
This is pdfTeX, Version 3.141592653-2.6-1.40.28 (TeX Live 2025) (preloaded font format=pdflatex)
restricted \write18 enabled.
entering extended mode
./second.tex
LaTeX2e <2025-06-01> patch level 1
L3 programming layer <2025-09-02>
(c:/texlive/2025/texmf-dist/tex/latex/base/article.cls
Document Class: article 2025/01/22 v1.4n Standard LaTeX document class
Ln 10, Col 15
```

(см. Рис. **fig:008**).



This is a simple document¹fi This is a new paragraph.

4 Выполнение лабораторной работы

4.1 Try adding text to your first document, typesetting and seeing the changes in your PDF.

(см. Рис. **fig:009**).

TeX Third.tex

```
1  \documentclass[12pt]{article}
2  \usepackage[english]{babel}
3  \usepackage[utf8]{inputenc}
4
5  \begin{document}
6
7  Hello world!
8
9  This is my first document with LaTeX.
10
11 % Paragraph 1
12 Here is some content full of sentences to test the PDF rendering.
13
14 You can write text. *Article* class is freely available.
15
16 % Paragraph 2
17 Here is a second paragraph. Words keep their spaces between words,
18 LaTeX automatically results in a single space.
19
20 % Non-breaking spaces (hard spaces):
21 Word~habit, "Brusubi~is a city", "Dupont~and Brusubi~cannot".
22
23 % Paragraph 3, stays on one line
24
25 Chapter one example: introduction.
26 Without it, LaTeX could cut "Chapter" and "one" on two lines.
27
28 \end{document}
```

 chktex c

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

\usepackage[english]{babel}

\usepackage[utf8]{inputenc}

\begin{document}

Hello world!

This is my first document with LaTeX.

% Paragraph 1

Here is some content full of sentences to test the PDF rendering.

You can write text. *Article* class is freely available.

% Paragraph 2
```

Here is a second paragraph. Words keep their spaces between words,

LaTeX automatically results in a single space.

% Non-breaking spaces (hard spaces):

Word~habit, "Brusubi~is a city", "Dupont~and Brusubi~cannot".

% Paragraph 3, stays on one line

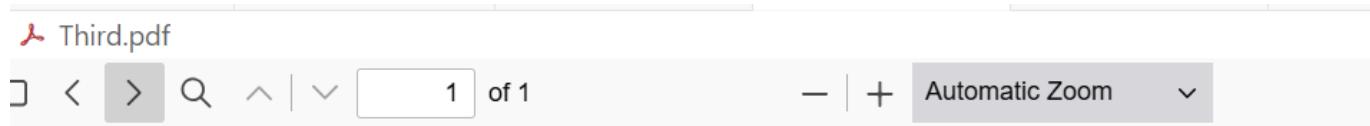
Chapter one example: introduction.

Without it, LaTeX could cut "Chapter" and "one" on two lines.

\end{document}

4.2 Make some different paragraphs and add variable spaces.

(см. Рис. *fig:010?*).



Hello world!

This is my first document with LaTeX.

Here is some content full of sentences to test the PDF rendering.

You can write text. *Article* class is freely available.

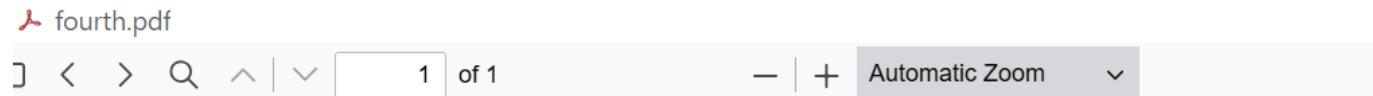
Here is a second paragraph. Words keep their spaces between words,
LaTeX automatically results in a single space.

Word habit, "Brusubi is a city", "Dupont and Brusubi cannot".

Chapter one example: introduction. Without it, LaTeX could cut "Chapter" and "one" on two lines.

4.3 Explore how your editor works; click on your source and find how to go to the same line in your PDF.

4.4 Try adding some hard spaces and see how they influence line-breaking.



Hello world!

This is my first document with LaTeX.

Here is some content full of sentences to test the PDF rendering.

You can write text. *Article* class is freely available.

Here is a second paragraph. Words keep their spaces between words, LaTeX automatically results in a single space.

Word habit, "Brusubi is a city", "Dupont and Brusubi cannot".

This paragraph demonstrates variable spaces.

Use

for a new line. adds medium space, adds large space. is
custom width.

Inline math: $E = mc^2$. Lists:

- First item.
- Second item.

1 Introduction

Bold and *italic* text. A very long stretch of spaces becomes one.

(см. Рис. *fig:011?*).

5 Выводы

Таким образом, была достигнута цель установил TeXlive, я познакомился с работой с его структуры а также с системой LaTeX.

Список литературы

The screenshot shows a Windows File Explorer window with the following details:

- Title Bar:** LAB02 Scientific
- Address Bar:** OneDrive > maryam L - Personal > Documents > LAB02 Scientific
- Search Bar:** Search LAB02 Scientific
- Toolbar:** Includes New, Sort, View, and a three-dot ellipsis button.
- Left Sidebar:** Shows a navigation tree with Home, Gallery, maryam L - Personal, Attachments, Desktop, and a selected Documents folder.
- Table View:** A grid showing the contents of the LAB02 Scientific folder. The columns are Name, Status, Date modified, Type, and Size.

Name	Status	Date modified	Type	Size
First	○	24/01/2026 9:21 pm	Исходный файл LaTeX	1 KB
fourth.aux	○	24/01/2026 10:46 pm	AUX File	1 KB
fourth	○	24/01/2026 10:46 pm	Text Document	6 KB
fourth	○	24/01/2026 10:46 pm	WPS PDF Document	60 KB
fourth	○	24/01/2026 10:45 pm	Исходный файл LaTeX	2 KB
second.aux	○	24/01/2026 10:38 pm	AUX File	1 KB
second.fdb_latexmk	○	24/01/2026 10:36 pm	FDB_LATEXMK File	4 KB
second.flf	○	24/01/2026 10:36 pm	FLS File	3 KB
second	○	24/01/2026 10:38 pm	Text Document	4 KB
second	○	24/01/2026 10:38 pm	WPS PDF Document	32 KB
second	○	24/01/2026 10:36 pm	Исходный файл LaTeX	1 KB
Third.aux	○	24/01/2026 10:41 pm	AUX File	1 KB
Third	○	24/01/2026 10:41 pm	Text Document	5 KB
Third	○	24/01/2026 10:41 pm	WPS PDF Document	18 KB
Third	○	24/01/2026 10:40 pm	Исходный файл LaTeX	1 KB