Лабораторная работа 4

Изображения в LaTeX

```
\documentclass{article}
\usepackage[T1]{fontenc}
\usepackage{graphicx}
\begin{document}
This picture
\begin{center}
\includegraphics[height=2cm]{image}
\end{center}
is an imported PDF.
\end{document}
```

This picture

is an imported PDF.

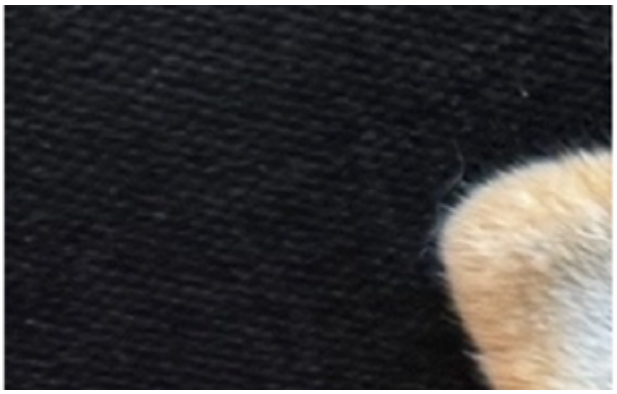
Размер изображения 1

```
\documentclass{article}
\usepackage[T1]{fontenc}
\usepackage{graphicx}
\begin{document}
\begin{center}
\includegraphics[height = 0.3\textheight, width =
0.3\textwidth]{image}
\end{center}
Some text
\begin{center}
\includegraphics[width = 0.1\textwidth]{image}
\end{center}
\end{document}
```

Some text

Размер изображения 2

```latex
\documentclass{article}
\usepackage[T1]{fontenc}
\usepackage{graphicx}
\begin{document}
\begin{center}
\includegraphics[clip, trim = 0 0 200 200]{image}
\end{center}
\end{document}
```



Изображения в документе

```latex
\documentclass{article}
\usepackage[T1]{fontenc}
\usepackage{graphicx}
\usepackage{lipsum} % produce dummy text as filler
\begin{document}
\lipsum[1-4] % Just a few filler paragraphs
Test location.
\begin{figure}[ht]
\centering
\includegraphics[width=0.5\textwidth]{image}
\caption{An example image}
\end{figure}
\lipsum[6-10] % Just a few filler paragraphs
\end{document}
```

Figure 1: An example image

eu urna porta tincidunt. Mauris felis odio, sollicitudin sed, volutpat ac, erat. Morbi quis dolor. Donec pellentesque, erat ac sagittis semp dui lobortis purus, quis congue purus metus ultricies tellus. Proin

images float

```latex
\documentclass{article}
\usepackage[T1]{fontenc}
\usepackage{graphicx}
\usepackage{lipsum} % dummy text for filler
\usepackage{float}
\begin{document}
\lipsum[1-7]
\begin{figure}[H]
\centering
\includegraphics[width=0.5\textwidth]{image}
\caption{An example image}
\end{figure}
\lipsum[8-15]
\end{document}
```

Figure 1: An example image

Pellentesque habitant morbi tristique senectus et netus et mal

images float

```latex
\documentclass{article}
\usepackage[T1]{fontenc}
\usepackage{graphicx}
\usepackage{lipsum} % dummy text for filler
\usepackage{trivfloat}
\trivfloat{image}
\begin{document}
\begin{image}
\centering
\includegraphics[width=0.5\textwidth]{image}
\caption{An example image}
\end{image}
\end{document}
```

Image 1: An example image

Ссылка

```latex
\documentclass{article}
\usepackage[T1]{fontenc}
\begin{document}
Hey world!
This is a first document.
\section{Title of the first section}
Text of material for the first section.
\subsection{Subsection of the first section}
\label{subsec:labelone}
Text of material for the first subsection.
\begin{equation}
e^{i\pi}+1 = 0
\label{eq:labeltwo}
\end{equation}
In subsection~\ref{subsec:labelone} is
equation~\ref{eq:labeltwo}.
\end{document}
```

Hey world! This is a first document.

1 Title of the first section

Text of material for the first section.

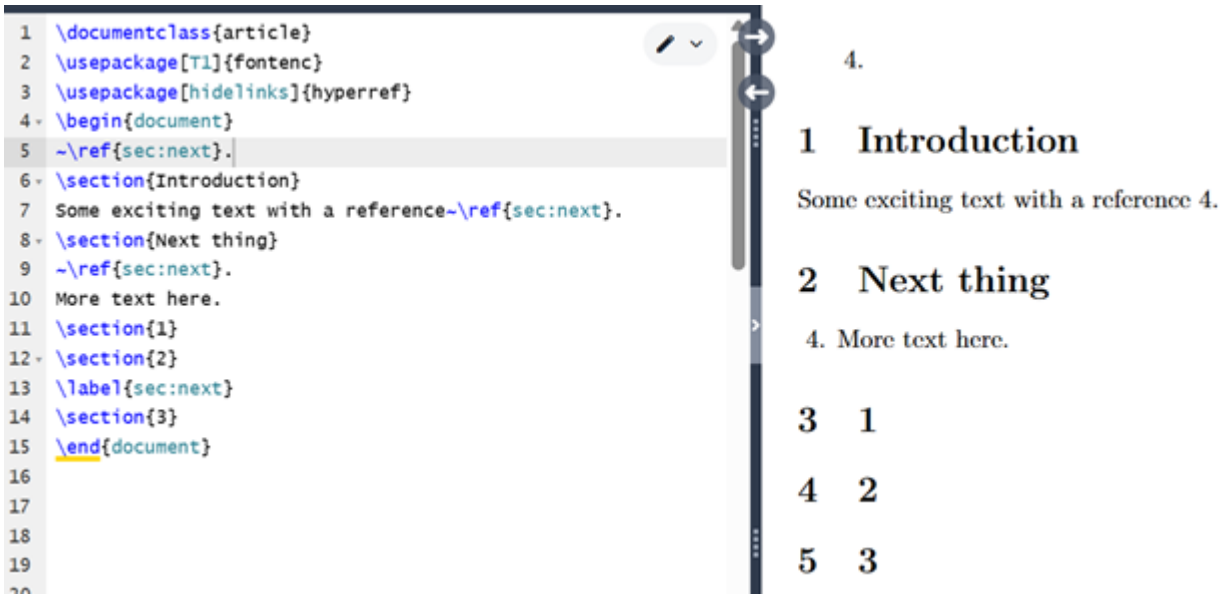
1.1 Subsection of the first section

Text of material for the first subsection.

$$e^{i\pi} + 1 = 0$$

In subsection 1.1 is equation 1.

Гиперссылка



Выводы

1. Добавил графику из внешнего источника в LaTeX.
2. Освоил новый графический пакет.
3. Научился оформлять изображения в LaTeX.

{.standout}

Спасибо за внимание!