



This is not a presentation, it's a well camouflaged book

**LAT**

*/'la:tɛx/ или /'leɪtɛx/*

INDEX

**1978: TeX**

Donald Knuth

**1984: LaTeX**

Leslie Lamport

## **1982: PostScript**

Adobe Systems

## **1993: PDF**

Adobe Inc.

```
\documentclass[a5paper]{book}
% Что-бы было видно страницу на сером фоне
\usepackage{xcolor}
\usepackage{pagecolor}
\pagecolor{white}

\begin{document}

\LARGE
Hello World!\footnotemark[42]

\footnotetext[42]{From \LaTeX}

\end{document}
```

Hello World!<sup>42</sup>

---

<sup>42</sup>From L<sup>A</sup>T<sub>E</sub>X

**Text + Boxes**



es → Pages

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

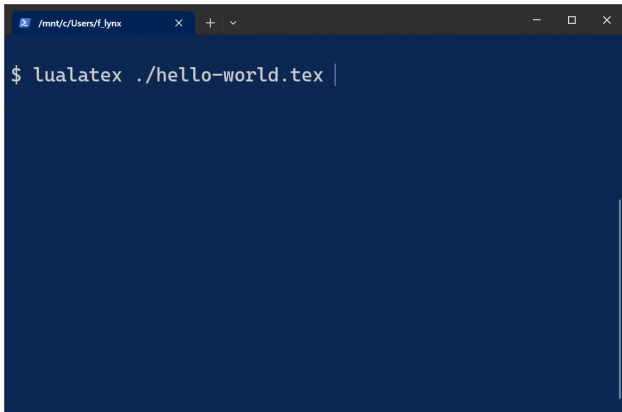
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\newpage

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**.tex** —



A terminal window with a dark blue background. The title bar shows the path `/mnt/c/Users/f_lynx` and standard window controls. The terminal prompt is `$` followed by the command `lualatex ./hello-world.tex` and a cursor.

```
$ lualatex ./hello-world.tex |
```

→ .pdf

The image shows two windows from the TeXworks application. The left window, titled 'hello-world.tex - TeXworks', displays the LaTeX source code. The right window, titled 'hello-world.pdf - TeXworks', shows the rendered PDF document.

**Source File Content:**

```
\documentclass[a5paper]{book}
% Что-бы было видно страницу на сером фоне
\usepackage{xcolor}
\usepackage{pagecolor}
\pagecolor{white}

\begin{document}

\LARGE
Hello World!\footnotemark[42]

\footnotetext[42]{From \LaTeX}

\end{document}
```

**Rendered PDF Content:**

1

Hello World!<sup>42</sup>

---

<sup>42</sup>From \LaTeX

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# Advantages

- Simple templating
- Handling large projects
- Full support for everything needed
- Documentation
- Free and open source

# Disadvantages

Not WYSIWYG

Harder to create graphics

Not as efficient for smaller tasks

# Alternatives

## **Adobe:**

InDesign / Illustrator / Photoshop / DPS



## **OpenSource:**

Scribus / Inkscape / Krita / Blender

photo

obook

**in photobook**  
we can do:

Bleeds

Pages

Spreads

Foldouts

Endpapers

Covers

Jackets

```
\documentclass{photobook}
```

```
\documentclass[
    layoutmode=block,
    blockwidth=96mm,
    blockheight=108mm,
    bleed=0mm,
    bindingoffset=0mm,
    imageblockwidth=0.98,
    imageblockheight=0.98,
]{photobook}
```

\ImagePageClear{Park}{images/DSC03759}





Park

```
\ImagePageFit{}{images/DSC02091}
```



```
\ImageSpread{"Копейка под
```

домом" } { images/DSC05647 }





"Копейка под домом"

\ImageSpreadFitL{New y



ear}{images/DSC03603a}





New year

`\tweakimageoffsett`

`\ImageSpreadFill{%`

`\color{lig`

Pechatniki

op{5mm}

htgray}%

{images/DSC06650}





Pechatniki

**Template 1**



# Templates

```
\documentclass[
    layoutmode=cover,
    spinewidth=5mm,
    spinefold=2mm,
    coverflap=17mm,
    coverboardgrow=0.5mm,
    ...
]{photobook}
\begin{document}

\GenerateTemplate

\end{document}
```

BACK COVER  
(96,3 mm x 109,0 mm)

THREE X THREE POINT  
SAMPLE

FRONT COVER  
(96,3 mm x 109,0 mm)

```
\documentclass[
    layoutmode=jacket,
    ...
    jacketflap=50mm,
    jacketwrap=0.5mm,
    ...
]{photobook}
\begin{document}

\GenerateTemplate

\end{document}
```

BACK FLAP  
(26.2 cm x 100.0 mm)

BACK COVER  
(26.2 cm x 100.0 mm)

PROPERTY OF UNIVERSITY  
OF ALABAMA

FRONT COVER  
(26.2 cm x 100.0 mm)

FRONT FLAP  
(26.2 cm x 100.0 mm)

```
\documentclass[
    layoutmode=endpaper,
    ...
]{photobook}
\begin{document}

\GenerateTemplate

\end{document}
```

ENDPAPER LEFT  
(96.0 mm x 108.0 mm)

ENDPAPER RIGHT  
(96.0 mm x 108.0 mm)

Template for book boxes

More examples

Text book

Fixing bugs

Polishing and cleanup



**:The future**

TeXLive

<https://www.tug.org/texlive/>

LaTeX

<https://www.latex-project.org/>

photobook





<https://ctan.org/pkg/photobook>

$\text{T}_{\text{E}}\text{X}$  Wikipedia

<https://ru.wikipedia.org/wiki/TeX>

$\text{L}_{\text{A}}\text{T}_{\text{E}}\text{X}$  Wikipedia

<https://ru.wikipedia.org/wiki/LaTeX>

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