

Отчет по лабораторной работе №1

Дисциплина: Computer Skills for Scientific Writing

Живцова Анна

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1 Цель работы

Установить актуальную версию дистрибутива TeXLive [1].

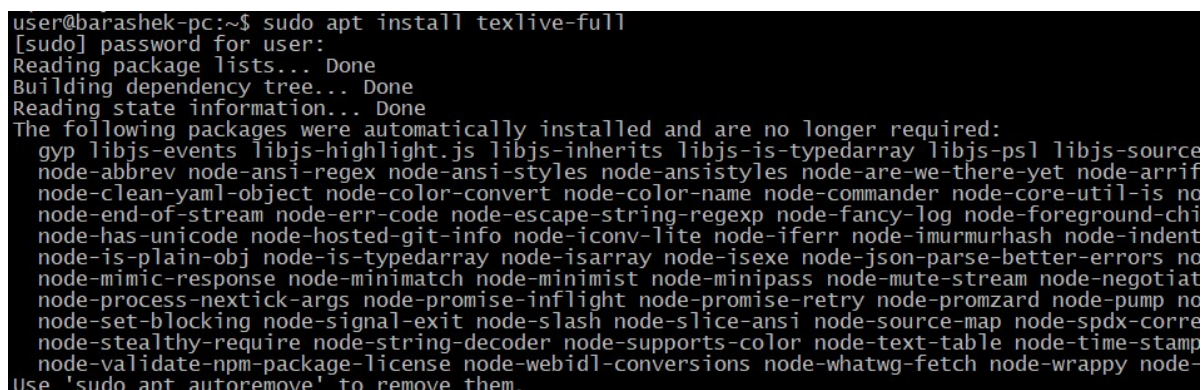
2 Задание

- Установить дистрибутива TeXLive на операционных системах Windows и Linux с помощью установщиков.
- Установить дистрибутива TeXLive на операционных системах Windows и Linux вручную.
- Обновить дистрибутива TeXLive.

3 Выполнение лабораторной

Произвела установку дистрибутива TeXLive на операционной системе Linux с помощью установ

```
apt install texlive-full
```



```
user@barashek-pc:~$ sudo apt install texlive-full
[sudo] password for user:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  gyp libjs-events libjs-highlight.js libjs-inherits libjs-is-typedarray libjs-psl libjs-source
  node-abbrev node-ansi-regex node-ansi-styles node-ansistyles node-are-we-there-yet node-arri
  node-clean-yaml-object node-color-convert node-color-name node-commander node-core-util-is n
  node-end-of-stream node-err-code node-escape-string-regexp node-fancy-log node-foreground-chi
  node-has-unicode node-hosted-git-info node-iconv-lite node-iferr node-imurmurhash node-indent
  node-is-plain-obj node-is-typedarray node-isarray node-isexe node-json-parse-better-errors n
  node-mimic-response node-minimatch node-minimist node-minipass node-mute-stream node-negotiat
  node-process-nexttick-args node-promise-inflight node-promise-retry node-promzard node-pump n
  node-set-blocking node-signal-exit node-slash node-slice-ansi node-source-map node-spdx-corre
  node-stealthy-require node-string-decoder node-supports-color node-text-table node-time-stamp
  node-validate-npm-package-license node-webidl-conversions node-whatwg-fetch node-wrappy node-
Use 'sudo apt autoremove' to remove them.
```

Рис. 3.1: установку TeXLive на Linux с помощью apt

Произвела установку дистрибутива TeXLive на операционной системе Windows с помощью установщика choco (см. рис. 3.2, 3.3).

```
choco install texlive
```

```

Администратор: Windows PowerShell
PS C:\Users\annaz\Documents\study\Kulayabov\writing>
PS C:\Users\annaz\Documents\study\Kulayabov\writing>
PS C:\Users\annaz\Documents\study\Kulayabov\writing> choco install texlive
Chocolatey v2.3.0
Installing the following packages:
texlive
By installing, you accept licenses for the packages.
Downloading package from source 'https://community.chocolatey.org/api/v2/'
Progress: Downloading texlive 2025.20250902.0... 100%

texlive v2025.20250902.0 [Approved]
texlive package files install completed. Performing other installation steps.
The package texlive wants to run 'chocolateyinstall.ps1'.
Note: If you don't run this script, the installation will fail.
Note: To confirm automatically next time, use '-y' or consider:
choco feature enable -n allowGlobalConfirmation
Do you want to run the script?([Y]es/[A]ll - yes to all/[N]o/[P]rint): y

Additional parameters for installer:
Writing Profile
Writing Profile using Passed Parameters.
TeX Live Profile will be written to C:\tools\texlive.profile
Extracting C:\ProgramData\chocolatey\lib\texlive\tools\install-tl.zip to C:\tools\install-tl-04092520...
C:\tools\install-tl-04092520
Automated TeX Live installation using profile: C:/tools/texlive.profile
Loading https://mirror.macomnet.net/pub/CTAN/systems/texlive/tlnet/tlpkg/texlive.tlpdb
Installing TeX Live 2025 from: https://mirror.macomnet.net/pub/CTAN/systems/texlive/tlnet (not verified)
Platform: windows => 'Windows (64-bit)'
Distribution: net (downloading)
Using URL: https://mirror.macomnet.net/pub/CTAN/systems/texlive/tlnet
Directory for temporary files: C:\Users\annaz\AppData\Local\Temp\chocolatey\sJ8sq2gPpy
Installing to: C:\texlive\2025
Installing [1/6, time/total: ??:??/?:??:]: hyphen-base [23k]

```

Рис. 3.2: установку TeXLive на Windows с помощью choco (1)

```

Администратор: Windows PowerShell
mktexlsr: Updating C:/texlive/2025/texmf-config/ls-R...
mktexlsr: Updated C:/texlive/2025/texmf-config/ls-R...
mktexlsr: Updating C:/texlive/2025/texmf-dist/ls-R...
mktexlsr: Updated C:/texlive/2025/texmf-dist/ls-R...
mktexlsr: Done.
[20:47:01] running updmap-sys --nohash ...done
[20:47:04] re-running mktexlsr C:/texlive/2025/texmf-var C:/texlive/2025/texmf-config ...
mktexlsr: Updating C:/texlive/2025/texmf-var/ls-R...
mktexlsr: Updated C:/texlive/2025/texmf-var/ls-R...
mktexlsr: Updating C:/texlive/2025/texmf-config/ls-R...
mktexlsr: Updated C:/texlive/2025/texmf-config/ls-R...
mktexlsr: Done.
pre-generating all format files, be patient...
[20:47:04] running fmtutil-sys --no-error-if-no-engine=luametatex,luajithbtex,luajittex,mfluaajit --no-strict --all ...done
running path adjustment actions
finished with path adjustment actions
[20:48:35] running package-specific postactions
[20:48:36] finished with package-specific postactions

Logfile: C:\texlive\2025\install-tl.log
texlive may be able to be automatically uninstalled.
Environment Vars (like PATH) have changed. Close/reopen your shell to
see the changes (or in powershell/cmd.exe just type `refreshenv`).
The install of texlive was successful.
Deployed to 'C:\tools\install-tl-04092520'

Chocolatey installed 1/1 packages.
See the log for details (C:\ProgramData\chocolatey\logs\chocolatey.log).
PS C:\Users\annaz\Documents\study\Kulayabov\writing>

```

Рис. 3.3: установку TeXLive на Windows с помощью choco (2)

Произвела установку дистрибутива TeXLive на операционной системе Windows вручную (см. рис. 3.4, 3.5).

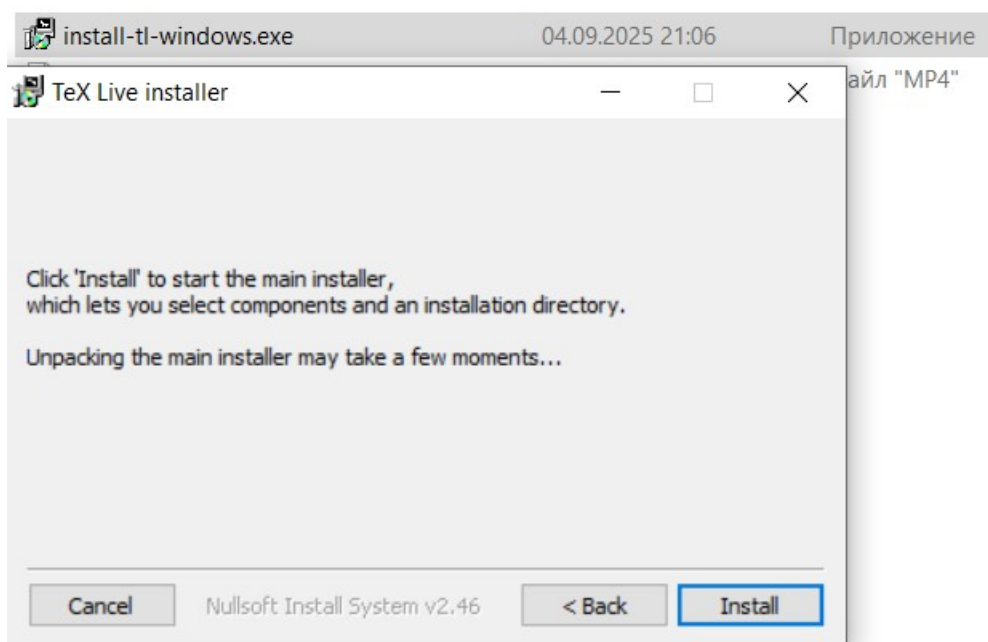


Рис. 3.4: установку TeXLive на Windows вручную (1)

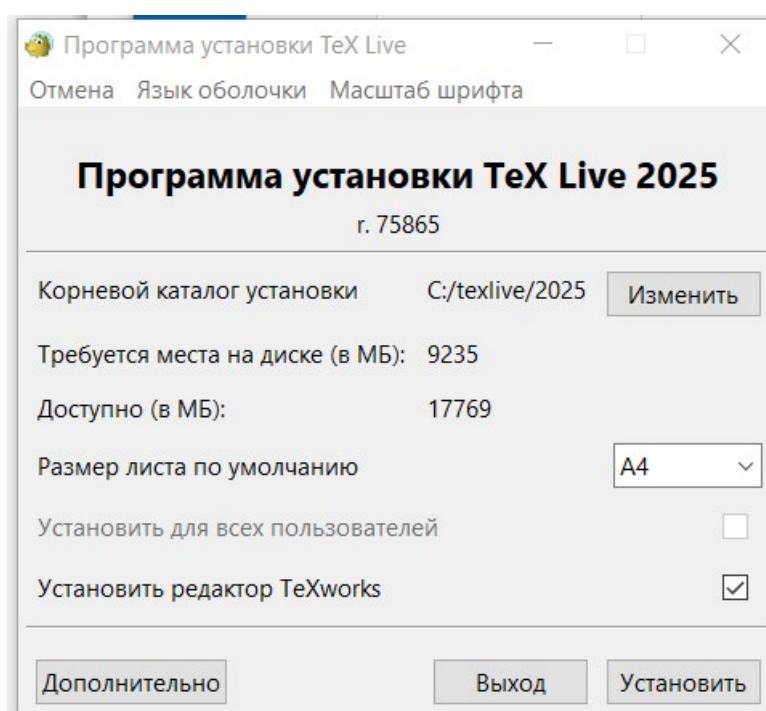


Рис. 3.5: установку TeXLive на Windows вручную (2)

Произвела установку дистрибутива TeXLive на операционной системе Linux вручную (см. рис. 3.6, 3.7).

```
=====> TeX Live installation procedure <=====
=====> Letters/digits in <angle brackets> indicate <=====
=====> menu items for actions or customizations <=====
= help> https://tug.org/texlive/doc/install-tl.html <=====

Detected platform: GNU/Linux on x86_64

<B> set binary platforms: 1 out of 15
<S> set installation scheme: scheme-full
<C> set installation collections:
    40 collections out of 41, disk space required: 8979 MB (free: 377087 MB)

<D> set directories:
    TEXDIR (the main TeX directory):
        /usr/local/texlive/2025
    TEXMFLOCAL (directory for site-wide local files):
        /usr/local/texlive/texmf-local
    TEXMFSYSVAR (directory for variable and automatically generated data):
        /usr/local/texlive/2025/texmf-var
    TEXMFSYSCONFIG (directory for local config):
        /usr/local/texlive/2025/texmf-config
    TEXMFVAR (personal directory for variable and automatically generated data):
        ~/.texlive2025/texmf-var
    TEXMFCONFIG (personal directory for local config):
        ~/.texlive2025/texmf-config
    TEXMFHOME (directory for user-specific files):
        ~/.texmf

<O> options:
    [ ] use letter size instead of A4 by default
    [X] allow execution of restricted list of programs via \write18
    [X] create all format files
    [X] install macro/font doc tree
    [X] install macro/font source tree
    [ ] create symlinks to standard directories

<V> set up for portable installation

Actions:
<I> start installation to hard disk
<P> save installation profile to 'texlive.profile' and exit
<Q> quit

Enter command: I
Installing to: /usr/local/texlive/2025
Installing [1/4, time/total: ??:??:??:??]: hyphen-base [23k]
Installing [2/4, time/total: 00:00/00:00]: kpathsea [1042k]
Installing [3/4, time/total: 00:01/00:02]: texlive-scripts [556k]
Installing [4/4, time/total: 00:01/00:01]: texlive.infra [610k]
Time used for installing the packages: 00:01
Installing [0001/4911, time/total: ??:??:??:??]: 12many [376k]
Installing [0002/4911, time/total: 00:00/00:00]: 2up [56k]
Installing [0003/4911, time/total: 00:00/00:00]: a0poster [119k]
Installing [0004/4911, time/total: 00:00/00:00]: a2ping [69k]
Installing [0005/4911, time/total: 00:01/02:07:54]: a2ping.x86_64-linux [1k]
```

Рис. 3.6: установку TeXLive на Linux вручную (1)

```
TEXLIVE_INSTALL_NO_DISKCHECK=1
-----
Welcome to TeX Live!
See /usr/local/texlive/2025/index.html for links to documentation.

The TeX Live web site (https://tug.org/texlive/) provides all updates
and corrections. TeX Live is a joint project of the TeX user groups
around the world; please consider supporting it by joining the group
best for you. The list of groups is available on the web
at https://tug.org/usergroups.html.

Add /usr/local/texlive/2025/texmf-dist/doc/man to MANPATH.
Add /usr/local/texlive/2025/texmf-dist/doc/info to INFOPATH.
Most importantly, add /usr/local/texlive/2025/bin/x86_64-linux
to your PATH for current and future sessions.

Logfile: /usr/local/texlive/2025/install-tl.log
```

Рис. 3.7: установку TeXLive на Linux вручную (2)

4 Выводы

В данной работе я установила актуальную версию дистрибутив TeXLive на операционных системах Windows и Linux с помощью установщиков и вручную.

Список литературы

1. Львовский С.М. Набор и вёрстка в системе LaTeX. Москва: МЦНМО, 2014. С. 400.