

Формулировка задания:

1.10. Провести инсталляцию программного обеспечения

Примечания по форме отчётности:

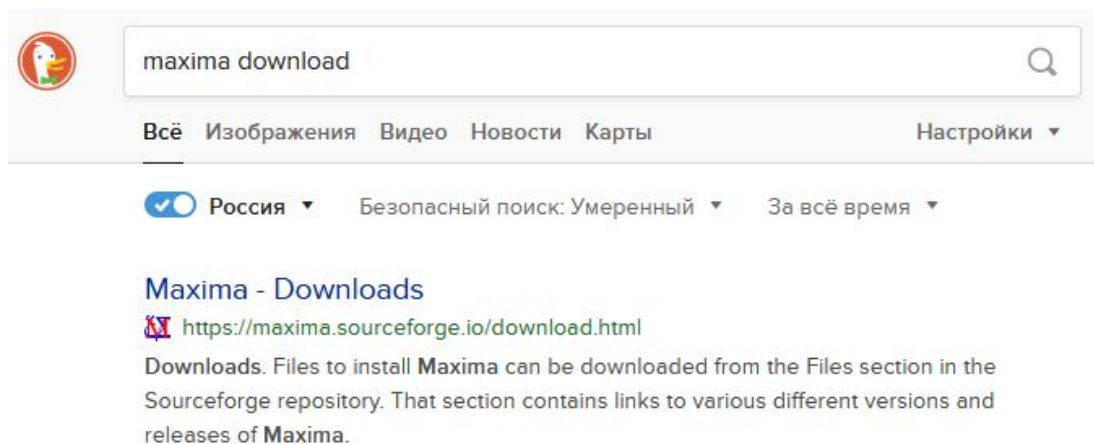
Алгоритм установки (текстовый документ)

Алгоритм инсталляции программного обеспечения

Я решила поностальгировать и установить Maxima.

Откройте вашу поисковую систему, затем введите

maxima download



Открываем ссылку

Downloads

Files to install Maxima can be downloaded from the [Files section](#) in the Sourceforge repository. That section contains links to various different versions and releases of Maxima. The section [Recent Releases](#) (on the right or at the bottom of this page) shows the most recent releases and clicking on a release number will show the Change Log for it. It is also possible to test Maxima without installing it, by using a [Maxima online interface](#).

Windows

Read the section: [Installation of Maxima in Windows](#)

Macintosh

The most recent version can be found in the [Maxima-MacOS download section](#) and the *The MaximaList* blog has a good [tutorial to install Maxima in Mac OS](#).

Linux

Выбираем операционную систему

Installation of Maxima in Windows

1. Download the latest Maxima version, which is currently: [5.44.0-Windows](#). You should download the first file you see, ending with [win64.exe](#), unless you have an old CPU, in which case you will need the [win32.exe](#) version.
2. Run that file you downloaded to start the installation process. It might take some time, because the installation program will also install other additional programs separate from Maxima.
3. Once the installation process ends, look in the directory where you installed Maxima, which will be something similar to: `C:\maxima_5.44.0`. In that directory you should find a sub-directory named `bin`, which has the programs that were installed. Before you run any of those programs, make sure your antivirus will not touch the programs there. If you're not sure, make a backup of that directory somewhere. It happens very often that after the first time you run Maxima the antivirus deletes the program considering a virus. The back-up will help you recover the missing files without having to install Maxima again.
4. Before running Maxima, execute the program `lispselector` which is in the same `bin` directory mentioned in the previous step. Select "SBCL" which will solve many errors that appear when using the default "Clisp".
5. Try the three interfaces to Maxima that you will find in the `bin` directory: **Command-line Maxima**, **Xmaxima** and **Wxmaxima**. And check that you get the `%i1` prompt and can execute some basic commands.
6. To make sure Maxima can also launch the two graphic programs it uses, run the following two commands which should create plots:

```
plot2d (x, [x,0,1]);  
plotdf ([y,-x]);
```

SourceForge

Open Source Software | Business Software | Resources

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Maxima -- GPL CAS based on DOE-MACSYMA

Computer Algebra System written in Common Lisp
Brought to you by: [andrejv](#), [kjak](#), [l_butler](#), [robert_dodier](#), and 2 others

Summary | **Files** | Reviews | Support | Wiki | Mailing Lists | Tickets | News | Discussion | Git

Download Latest Version
maxima-clisp-sbcl-5.44.0-win64.exe (138.8 MB) [Get Updates](#)

Home / Maxima-Windows / 5.44.0-Windows

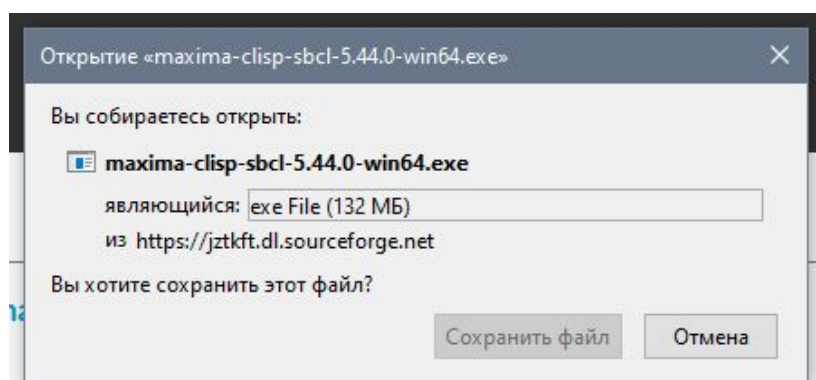
Name	Modified	Size	Downloads / Week
Parent folder			
Readme.txt	2020-06-11	651 Bytes	71
maxima-clisp-sbcl-5.44.0-win64.exe	2020-06-08	138.8 MB	4,621
maxima-clisp-sbcl-5.44.0-win32.exe	2020-06-08	128.8 MB	86
Totals: 3 Items		267.6 MB	4,778

Maxima 5.44.0 Windows Installer
=====

Recommended Projects

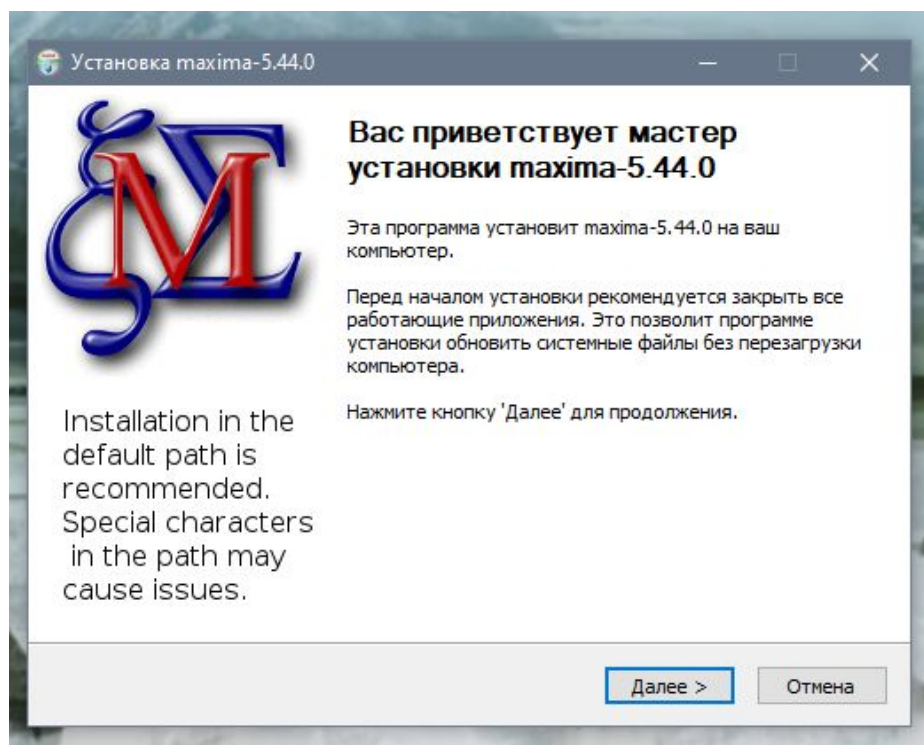
- [gnuplot development](#)
A portable, multi-platform, command-line driven graphin...
- [wxMaxima](#)
Cross platform GUI for Maxima
- [Kibana](#)
Your window into the Elastic Stack
- [Octave Forge](#)
A collection of packages providing extra functionality...

Нажимаем на "Download Latest Version", загружаем. После загрузки .exe файл можно открыть из браузера. Обычно внизу (Chrome, Chromium) или правом верхнем углу (Firefox).

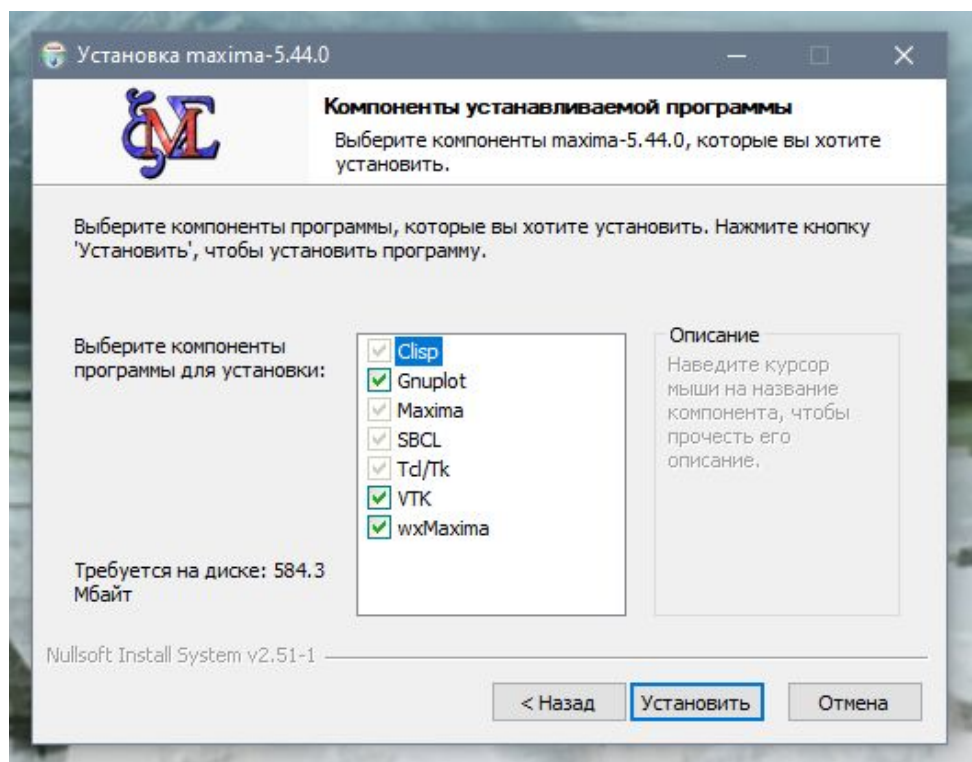


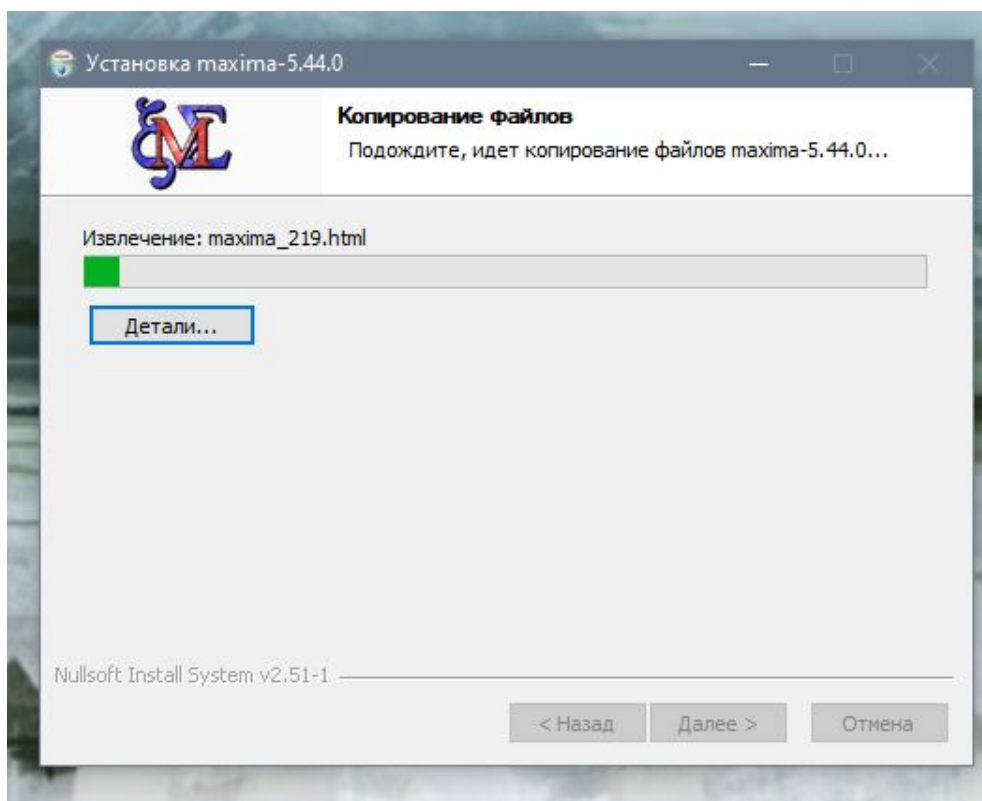
ies need the ability to react and adapt to change instantly and glc

После приступаем к инсталляции

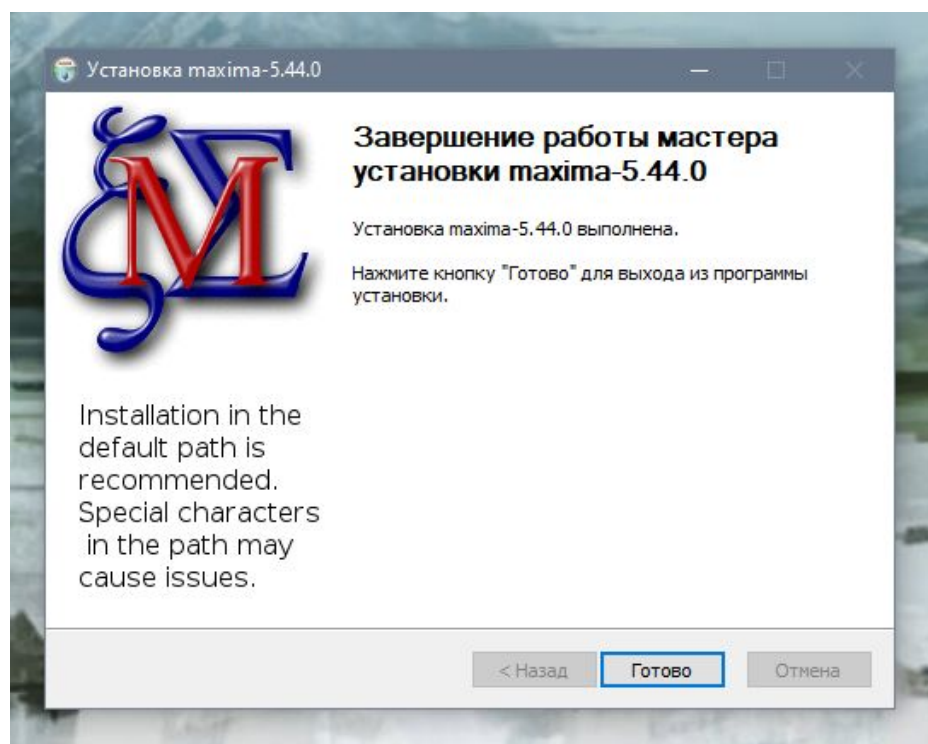


Принимаем лицензионное соглашение, выбираем место установки.





Установка занимает несколько минут, если вы после запуска установки пойдёте заварить чай, то когда вернётесь установка будет завершена.



Теперь нужно проверить корректно ли работает с прораμμα (это лабораторная 1-го курса).

Maxima 20.06.6 [RP 4.1] (Переносимый 2D) - help

Файл Правка Вид Поле Машина Уравнения Алгебра Анализ Упорядочить Список Графики Численные расчёты Справка

Математические символы

Профиль с помощью Draw

2D	3D
Выражение	График полярной функции
Параметрический график	Тонкие
Заголовок диаграммы	Ось
Контур	Наклонные графики
Цвет линии	Цвет заливки
Сетка	Точность

Матрицы

1 Действия с матрицами

```
(%i1) matrix ([15,1],[-7,20]);

(%i2) B: matrix([15,1,18,-19],
[-7,20,0.5,1/2])
);

(%i3) genmatrix(% , 3, 3);
```

Журнал

```
AAA: 2*AA-3*AA+5*AA+9*E
2*AA-3*AA+9*E
2*AA-3*AA
E: matrix([1,0,0,0])
A: matrix([1,2],[3,0])
p(w):=a*w*w-2*w*a+5*w+9
f(w):=-2*a*w+5*w+9
g(w):=-2*w*a+5*w
a^4+2
a+2
sqrt(x), number
sqrt(x)
exp(x), number
exp(x)
t^x
t^x
x^y
x^y
x^y
x^y
y: matrix([18,6],[7,4])
xi: matrix([2,1],[3,9])
genmatrix(lambda([i,j], 3*a^i+2*j, 3, 3))
genmatrix(lambda([i,j], 3*a^i, 3, 3))
genmatrix(% , 3, 3)
B: matrix([15,1,18,-19],[-7,20,0.5,1/2])
matrix ([15,1],[-7,20])
```

Содержание

Матрицы

Действия с матрицами

Maxima готова к вводу.

Готово к вводу

Работает.