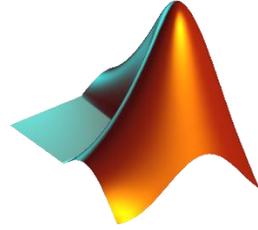


MATLAB Technologies for Uniwersytet Zielonogórski, Teaching and Research in the Campus

Caner Dogan
Customer Success Specialist



Your MathWorks Team



- Installation Support - **Dany Desjardins**, emea-install@mathworks.com / [Support page](#)



- Customer Success Specialist - **Caner Dogan**, cdogan@mathworks.com

Agenda

- MATLAB Campus-Wide License overview
- MATLAB portal for Individual Use
- License Installation and Management
- Awareness Materials
- Recent Events
- Q&A

Headquarters
Natick, MA USA

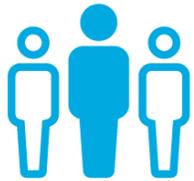
North America
United States

Europe

Finland
France
Germany
Ireland
Italy
Netherlands
Spain
Sweden
Switzerland
UK

Asia-Pacific

Australia
China
India
Japan
Korea



5000+ staff
in 34 offices around
the world



\$1+ billion
in revenues



Privately held
and profitable every year

Campus-Wide License



CAMPUS WIDE LICENSE

More than **6.2 million students** and over **2,100 universities** around the world — including the top 30 ranked universities — have unlimited access to MATLAB and Simulink with a Campus-Wide License.

JOB OPPORTUNITIES

 **82%**

Fortune 100 companies with a MATLAB license

“*If you want to work at Google, make sure you can use MATLAB*”

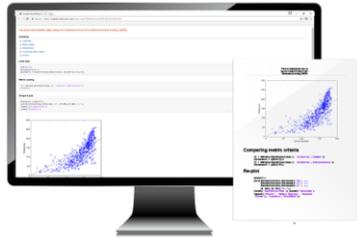
Jonathan Rosenberg

Senior Vice President of Products

Google



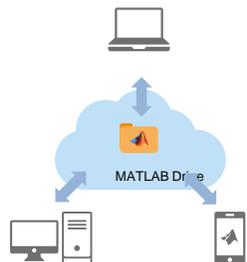
Campus-Wide License Overview



University & lab computers

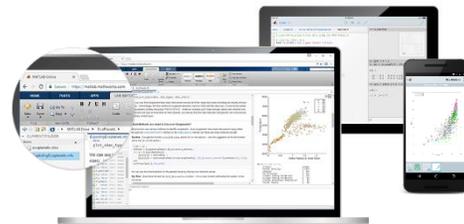


Online access

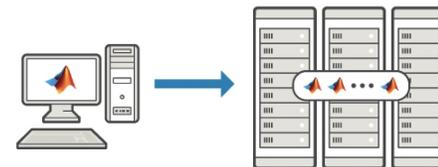


Cloud storage & sharing

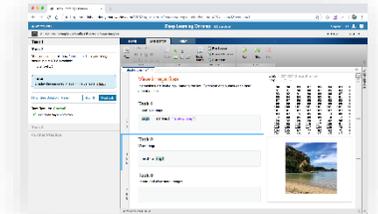
- ✓ Annual license
- ✓ Access to all MATLAB and Simulink products available for academic use (100+ toolboxes)
- ✓ Access to MATLAB Grader
- ✓ Access to self-paced online courses
- ✓ Covers all faculty, staff, students and their devices
- ✓ Access anywhere, any time, on- or off-network
- ✓ Immediate tool access for users via self-serve portal
- ✓ Lower IT administration overhead



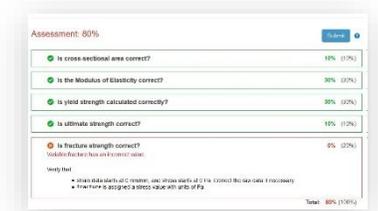
Personal computers & mobile devices



Clusters & HPC



Self-paced online learning



Auto-graded homework

Available products

R2022a at a glance

- AI, Data Science and Statistics
- Application Deployment
- Code Generation
- Math and Optimization
- Parallel Computing
- Event-Based Modeling
- Physical Modeling
- Real-Time Simulation and Testing
- Simulation Graphics and Reporting
- Verification, Validation, and Test



Academic Resources

MATLAB Grader
Online Training Suite

5G Toolbox
Aerospace Blockset
Aerospace Toolbox
Antenna Toolbox
Audio Toolbox
Automated Driving Toolbox
AUTOSAR Blockset
Bioinformatics Toolbox
Communications Toolbox
Computer Vision Toolbox
Control System Toolbox
Curve Fitting Toolbox
Data Acquisition Toolbox
Database Toolbox
Datafeed Toolbox
DDS Blockset
Deep Learning HDL Toolbox
Deep Learning Toolbox
DSP System Toolbox
Econometrics Toolbox
Embedded Coder
Filter Design HDL Coder
Financial Instruments Toolbox
Financial Toolbox
Fixed-Point Designer
Fuzzy Logic Toolbox
Global Optimization Toolbox
GPU Coder
HDL Coder
HDL Verifier
Image Acquisition Toolbox
Image Processing Toolbox
Instrument Control Toolbox
Lidar Toolbox
LTE Toolbox
Mapping Toolbox
MATLAB
MATLAB Coder
MATLAB Compiler

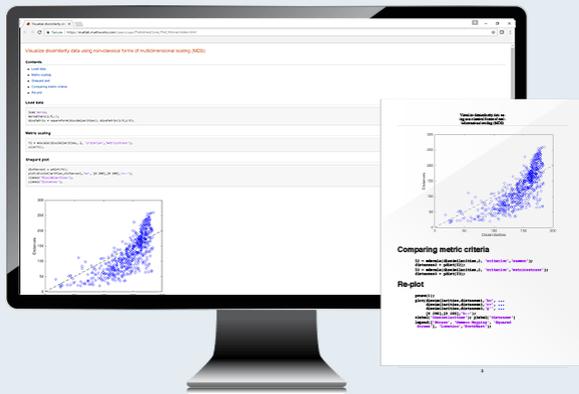
MATLAB Compiler SDK
MATLAB Grader
MATLAB Parallel Server
MATLAB Production Server
MATLAB Report Generator
MATLAB Web App Server
Mixed-Signal Blockset
Model Predictive Control Toolbox
Model-Based Calibration Toolbox
Motor Control Blockset
Navigation Toolbox
Online Training Suite
OPC Toolbox
Optimization Toolbox
Parallel Computing Toolbox
Partial Differential Equation
Toolbox
Phased Array System Toolbox
Polyspace Bug Finder
Polyspace Code Prover
Powertrain Blockset
Predictive Maintenance Toolbox
Radar Toolbox
Reinforcement Learning Toolbox
RF Blockset
RF Toolbox
Risk Management Toolbox
Roadrunner
Roadrunner Asset Library
Robotics System Toolbox
Robust Control Toolbox
ROS Toolbox
**Satellite Communications
Toolbox**
Sensor Fusion and Tracking
Toolbox
SerDes Toolbox
Signal Processing Toolbox
SimBiology

SimEvents
Simscape
Simscape Driveline
Simscape Electrical
Simscape Fluids
Simscape Multibody
Simulink
Simulink 3D Animation
Simulink Check
Simulink Code Inspector
Simulink Coder
Simulink Compiler
Simulink Control Design
Simulink Coverage
Simulink Design Optimization
Simulink Design Verifier
Simulink Desktop Real-Time
Simulink PLC Coder
Simulink Real-Time
Simulink Report Generator
Simulink Requirements
Simulink Test
SoC Blockset
Spreadsheet Link
Stateflow
Statistics and Machine Learning
Toolbox
Symbolic Math Toolbox
System Composer
System Identification Toolbox
Text Analytics Toolbox
UAV Toolbox
Vehicle Dynamics Blockset
Vehicle Network Toolbox
Vision HDL Toolbox
Wavelet Toolbox
Wireless HDL Toolbox
WLAN Toolbox

ACCELERATING LEARNING AND RESEARCH

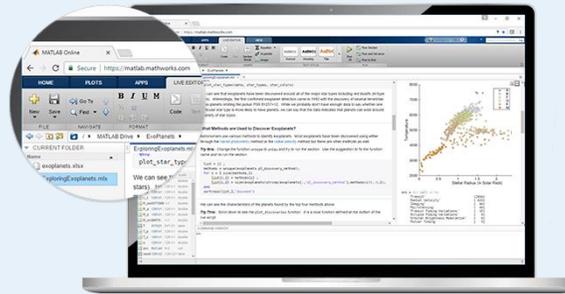
MATLAB & SIMULINK

Anytime, Anywhere Access for Faculty, Staff, Students, and Visitors



MATLAB for Desktops

Access MATLAB on personal and university-owned machines



MATLAB & Simulink Online

Access MATLAB & Simulink in a web browser



MATLAB Mobile

Access MATLAB on iOS/Android devices

[Visit your university MATLAB portal](#)

[Visit matlab.mathworks.com](https://matlab.mathworks.com)



Academic Resources

- Online Courses
- MATLAB Grader



Academic Online Training Suite

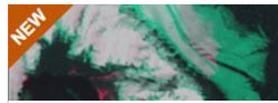
Getting Started

 FREE	 FREE
MATLAB Onramp	Simulink Onramp
 NEW FREE	 NEW FREE
Reinforcement Learning Onramp	Control Design Onramp with Simulink
 NEW FREE	 FREE
Signal Processing Onramp	Stateflow Onramp
 FREE	 NEW FREE
Deep Learning Onramp	Image Processing Onramp
 FREE	
Machine Learning Onramp	

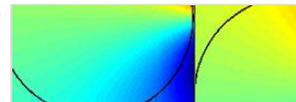
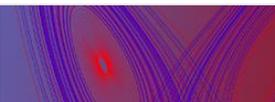
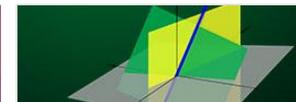
Data Science

	
Deep Learning with MATLAB	Machine Learning with MATLAB

Core MATLAB

			 NEW
MATLAB Fundamentals	MATLAB for Data Processing and Visualization	MATLAB Programming Techniques	Image Processing with MATLAB

Computational Mathematics

				
Solving Nonlinear Equations with MATLAB	Solving Ordinary Differential Equations with MATLAB	Introduction to Linear Algebra with MATLAB	Introduction to Statistical Methods with MATLAB	Introduction to Symbolic Math with MATLAB

Academic Online Training Suite

The screenshot displays the MATLAB Onramp training interface. At the top, a blue header bar contains a back arrow, "MY COURSES", the course title "MATLAB Onramp" with a "(3% complete)" status, and the user's name "Alessio Conte" with a profile icon and a help icon. Below the header, a grey navigation bar shows a hamburger menu icon, the current section "2.1 Entering Commands", and "PREVIOUS" and "NEXT" navigation arrows.

The main content area is divided into three vertical panels. The left panel, titled "Task 1", contains the following text: "You can execute commands by entering them in the command window after the MATLAB prompt (>>) and pressing the **Enter** key." Below this is a blue-bordered box labeled "TASK" with the instruction: "Try multiplying the numbers 3 and 5 together with the command `3*5`." At the bottom of this panel are links for "Hint" and "See Solution". A vertical list of task titles (Task 2 through Task 7) and "Further Practice" is visible on the far left.

The middle panel, titled "HOME", shows a MATLAB command window with the prompt ">>" and a cursor. The text "Task 1" is displayed above the prompt.

The right panel, titled "WORKSPACE", contains a table with two columns: "Name" and "Value". The table is currently empty.

Online Training Suite (continued)

Getting Started

- | | |
|--|--|
| <p>Resume</p> <p>MATLAB Onramp
Get started quickly with the basics of MATLAB.
2% Unlimited access</p> | <p>View/Share Certificate
Settings</p> |
| <p>Details and launch</p> <p>Simulink Onramp
Get started quickly with the basics of Simulink.
Unlimited access</p> | <p>View/Share Certificate
Settings</p> |
| <p>Resume</p> <p>Machine Learning Onramp
Learn the basics of practical machine learning methods for classification problems.
6% Unlimited access</p> | <p>View/Share Certificate
Settings</p> |
| <p>Resume</p> <p>Deep Learning Onramp
Get started quickly using deep learning methods to perform image recognition.
5% Unlimited access</p> | <p>View/Share Certificate
Settings</p> |
| <p>Resume</p> <p>Image Processing Onramp
Learn the basics of practical image processing techniques in MATLAB.
70% Unlimited access</p> | <p>View/Share Certificate
Settings</p> |



Alessio Conte
Customer Success Specialist | Accelerating the pace of Engineering and Science...
1mo • 🌐

⋮

Great self-paced course to get familiar with deep learning through real-life examples!
#keeplearning #selfimprovement #deeplearning #students



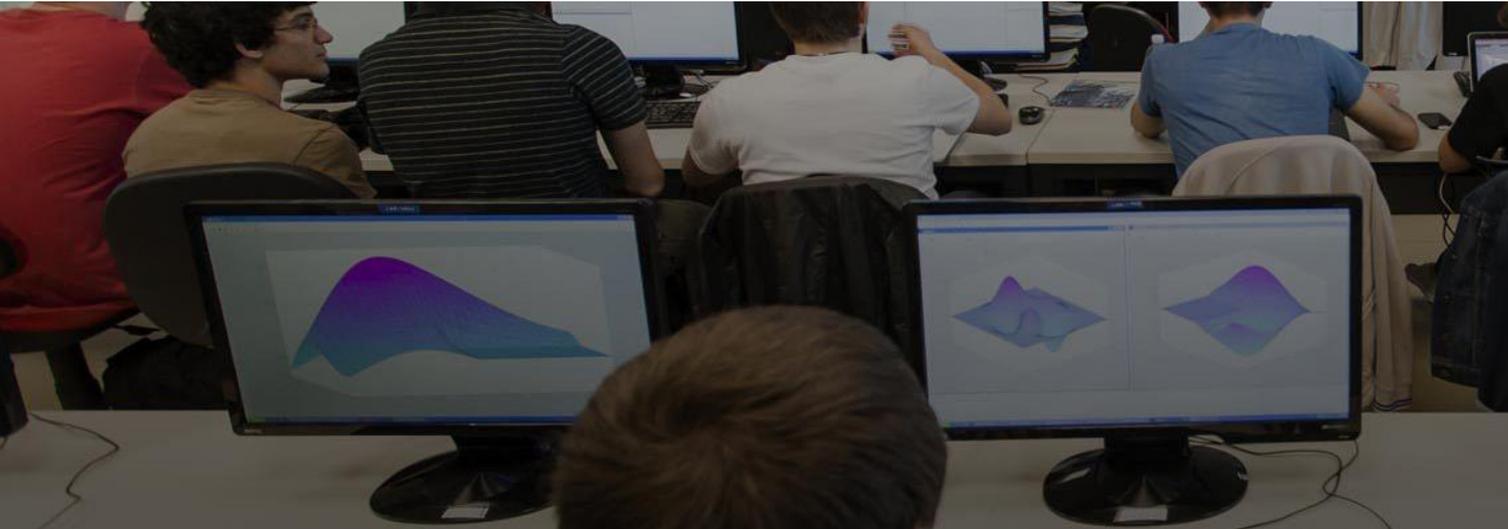
Deep Learning with MATLAB
matlabacademy.mathworks.com • 1 min read

🌐 23

👍 Like 💬 Comment ➦ Share ✉ Send

📈 785 views of your post in the feed

Online Assessments with MATLAB Grader



Create interactive course assignments



Automatically grade student work and provide feedback



Run your assignments in any learning environment

System Dynamics and Control > System Dynamics and Control Example Problems >

Linearization of a Function Actions ▾

[← Back to Instructor View](#)

In this problem you will use your knowledge of linear functions to complete to determine a linear approximation of a nonlinear function $y = f(x)$ at the operating point (\bar{x}, \bar{y}) .

Complete the script by defining the slope and y-intercept of the linear function that approximates a $f(x)$ at \bar{x} . Assign the slope and y-intercept to the variables m and b respectively. The following variables have been defined for you:

- \bar{x} : the x-value of the operating point
- \bar{y} : the y-value of the operating point
- k : the derivative of f evaluated at the operating point ($k = f'(\bar{x})$)

Script Reset MATLAB Documentation

```

1 xbar = 0.5;
2 ybar = 0.75;
3 k = 1;
4 % Calculate the slope and y-intercept of the linear approximation about
5 % given operating point
6 m = k           % slope of the linear approximation
7 b = ybar - k*xbar
8

```

[▶ Run Script](#) ?

Assessment: All Tests Passed [Submit](#) ?

✔ Is m defined correctly?

✔ Is b defined correctly?

MathWorks Portal

Uniwersytet Zielonogórski

Get Software | Learn MATLAB | Teach with MATLAB | What's New

MATLAB Access and Support for Everyone at
Uniwersytet Zielonogórski



MATLAB and Simulink are

- used in 100,000+ companies from market leaders to startups
- referenced in 4 million+ research citations

Where will MATLAB and Simulink take you?

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Desktop. Online. Mobile.

Free through your school's license.

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- Hosted by MathWorks
- Self-serve solution giving individuals a guided path from login to software download and getting started
- Built-in compliance requires an official university email domain
- Online Training Access
- Teaching material

Customized material ready-to use

└ MATLAB dla Uniwersytet Zielonogórski

Uniwersytet Zielonogórski posiada licencję uczelnianą MATLABa i Simulinka wraz z rozszerzeniami. Wykładowcy, badacze i studenci mogą wykorzystywać te produkty do nauczania, niekomercyjnych badań naukowych i uczenia się. Licencja pozwala na instalację oprogramowania na sprzęcie uniwersyteckim, a także na komputerach osobistych.

Informacje o MATLABie i Simulinku

MATLAB to środowisko programistyczne przeznaczone do rozwijania algorytmów, analizy danych, wizualizacji i obliczeń numerycznych. Simulink to graficzne środowisko do symulacji i projektowania opartego na modelach wielodomenowych systemów dynamicznych i wbudowanych. MathWorks oferuje około 100 dodatkowych modułów do specjalistycznych zastosowań, takich jak analiza danych i przetwarzanie obrazów.

Dostęp do MATLABa jest możliwy poprzez portal MATLAB: [Uniwersytet Zielonogórski](#)

Instrukcje dla użytkowników

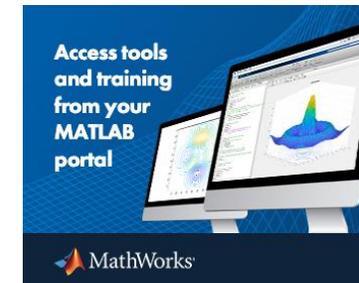
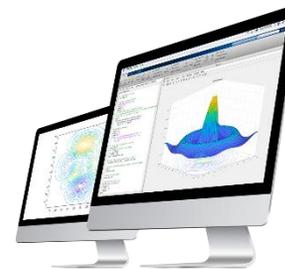
Pobranie pliku instalacyjnego przez użytkownika końcowego

1. Przejdź do [Portalu MATLAB](#), wybierz 'Sign in to get started' w sekcji **Get MATLAB and Simulink**.
2. Zaloguj się na koncie na stronie MathWorks używając adresu e-mail utworzonego w domenie uczelni.
3. Kliknij przycisk **download** dla wersji, którą ma być zainstalowana. (Użytkownicy mają w tym miejscu możliwość pobrania poprzednich wersji).
4. Wybierz system operacyjny i pobierz plik instalacyjny.

Instalacja i aktywacja

[Download templates](#) (posters, web banners, logos, etc..) and customize for your university/institution or create your own materials with the content provided. Let everyone know they can download and start using the tools today.

MATLAB® & SIMULINK®

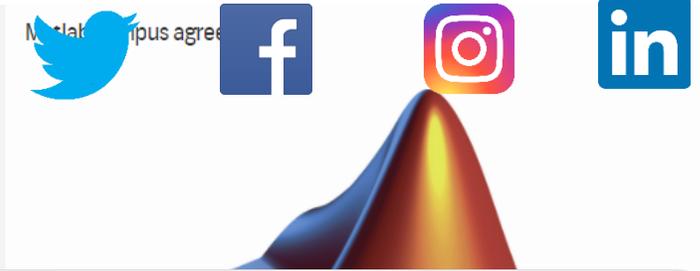


Best practices for raising awareness

Share the MATLAB portal with end users

- IT Services Page
- Software Portal
- LMS
- Email to users

Student's Guide
Online services for students
Student secretariats
Training
Facilities for university contributions
Placement
Erasmus plus
International students
Opportunity
Facilities
Scholarships, research and other opportunities
Libraries
Guarantor
Business office
Guarantee Committee
Academic Calendar



Start using MATLAB Online from a web browser

Best practices for raising awareness

ci.pw.edu.pl/Uslugi/Dystrybucja-oprogramowania/Oprogramowanie-inzynierskie/MATLAB

**Politechnika
Warszawska** | **Centrum
Informatyzacji**

[Strona główna](#) » [Usługi](#) » [Dystrybucja oprogramowania](#) » [Oprogramowanie inżynierskie](#) »

MATLAB

Opublikowano: 06.09.2013 12:24

Centrum Informatyzacji od dnia 1 kwietnia 2016 r. dystrybuuje licencję ogólnouczelnianą Total Academic Headcount oprogramowania MATLAB i Simulink. Licencja jest dostępna bezpłatnie dla wszystkich pracowników i studentów Politechniki Warszawskiej.

[Licencja uczelniana Total Academic Headcount Full Suite oprogramowania MATLAB i Simulink 2019/2020 ważna do 31.03.2021 jest już dostępna.](#)

[Dedykowana strona PW MathWorks](#) - wersja testowa w j. angielskim

Instalacja licencji TAH

 [Total Academic Headcount_Instalacja dla pracowników \(pdf, 235,51 kB\)](#)

MATLAB Technologies for Teaching Webinars

Webinar for Lecturers

- MATLAB services to support Hybrid Teaching and Learning
- Online teaching tools: MATLAB Online, MATLAB Drive, MATLAB Mobile, Online Training
- Available courseware material
- Should I use my lecture time to teach MATLAB?
- Automatic assessment of MATLAB-based exercise
- Course creation
- Integration with Moodle, Blackboard, Canvas, etc...
- How to provide feedback from distance
- MATLAB Apps, Virtual Labs, Hardware Projects
- Make MATLAB available to your students

To register:

[19 May 2022](#)

[16 June 2022](#)

Who Should Attend

- Professors
- Lecturers
- Teaching Assistants
- Graduate Students

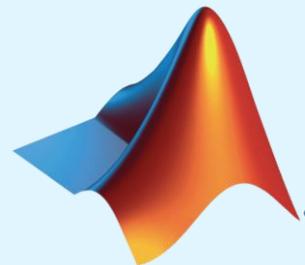
Getting Started with MATLAB for Computational Finance

Highlights:

- A quick overview of the MATLAB environment
- Modeling Risks on a portfolio
- Pricing derivatives
- AI for Fraud forecasting
- Application example by Dr. Bogusław Bławat from Kozminski University in Warsaw, Poland on using MATLAB for Empirical Prediction of Default with Corporate Strategy

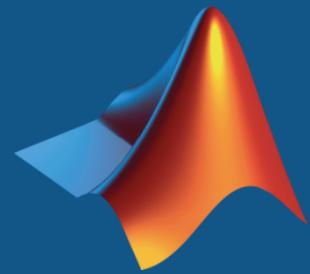
Please use the link below for registration:

[Getting Started with MATLAB for Computational Finance](#)



Bogusław Bławat
Expert at
Polish Agency
for Audit
Oversight,
Lecturer at
Kozminski
University

Francesca Perino
Principal
Application
Engineer
MathWorks



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