

# MATLAB Kampüs Lisans Tanıtımı

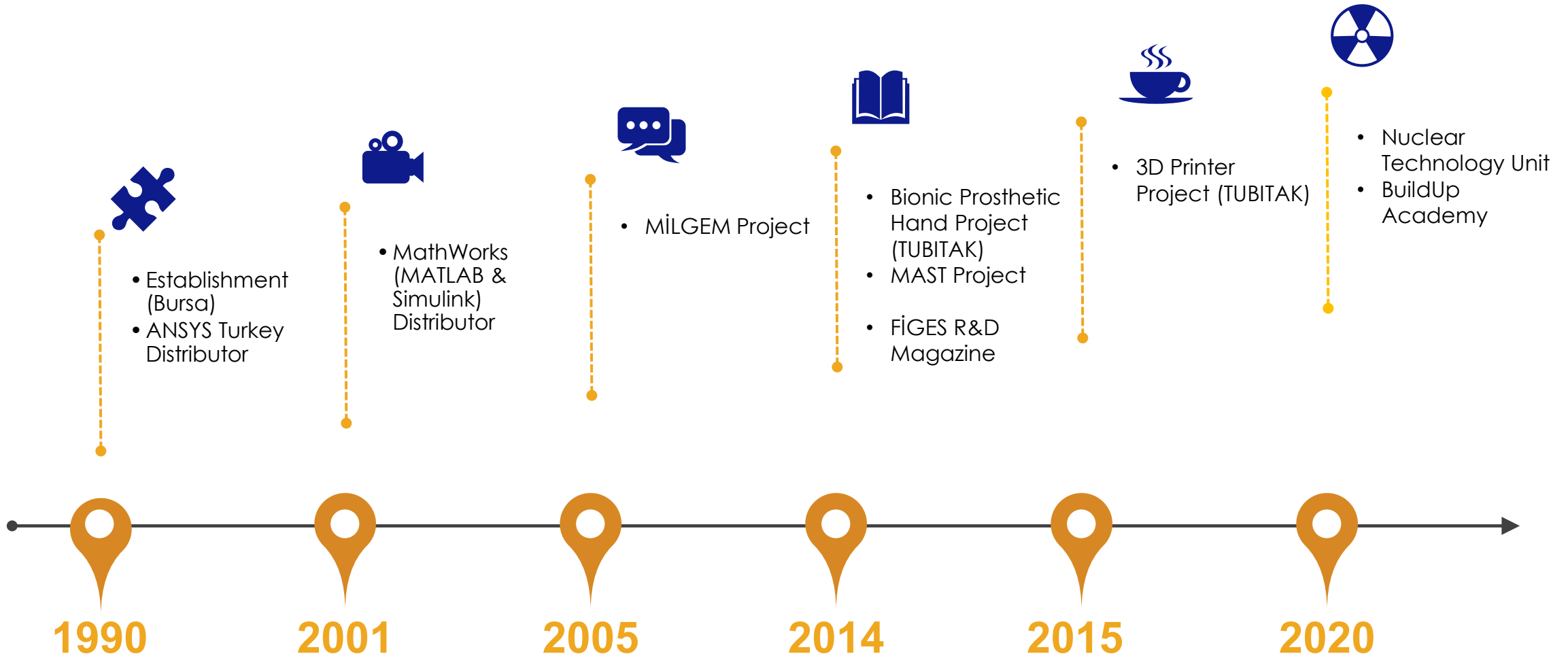
## Pamukkale Üniversitesi



**Burak Süha MİNAZ**  
Müşteri Başarı Mühendisi  
[burak.minaz@figes.com.tr](mailto:burak.minaz@figes.com.tr)

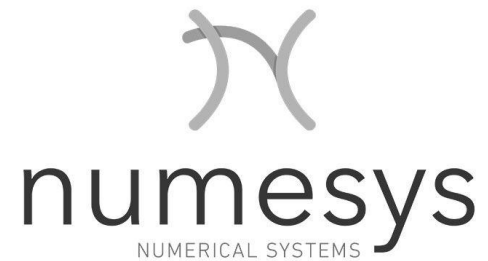


# ■ About FiGES





**MILMAST**

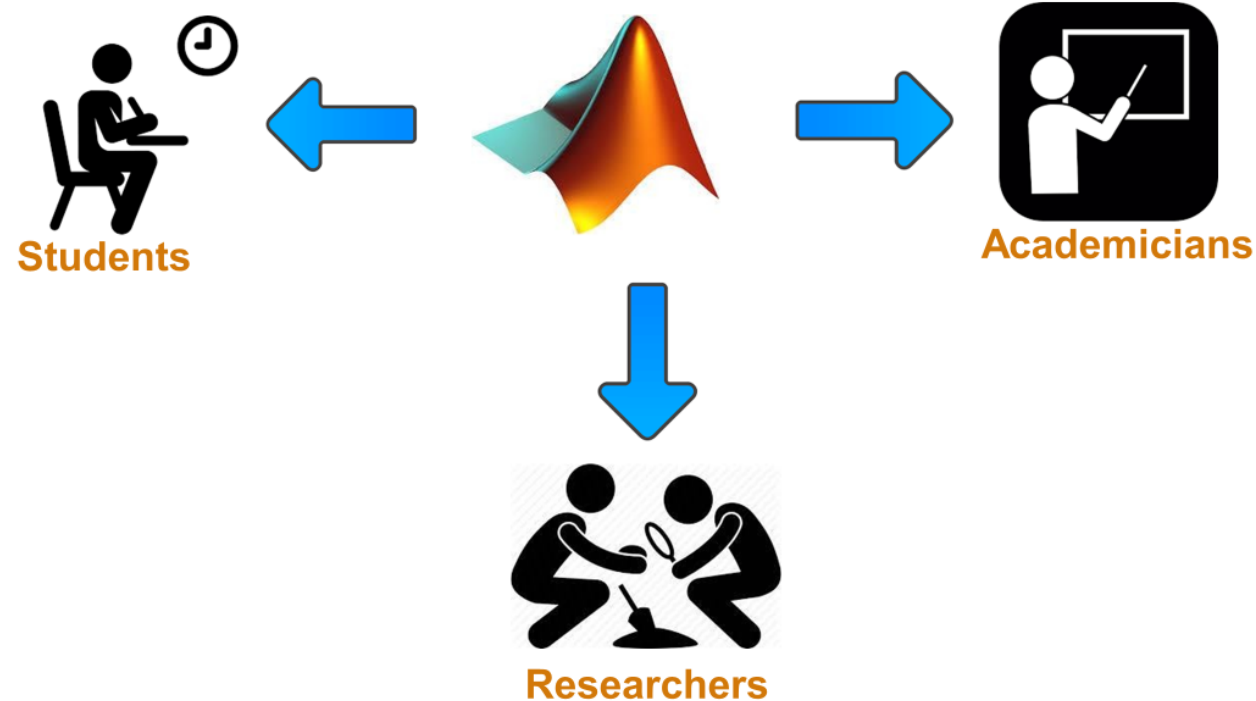


# PROGRAM

- Kampüs lisansı
- MATLAB
- MATLAB entegre araçlar
- Portal
- Matlab Online & Mobile & Drive
- OTS & Onramp
- Endüstride Matlab
- Grader

# KAMPÜS LİSANSI

Kampüs Lisansı, öğretim üyelerinin, personelin, öğrencilerin ve araştırmacıların kampüs içinde ve dışında, herhangi bir cihazda MATLAB ve Simulink ürünlerini sınırsız olarak kullanmalarını sağlar.





# MATLAB Kampüs Lisansı Dahilinde Hangi Araç kutuları Var?

## Aerospace

- [Aerospace Blockset](#)
- [Aerospace Toolbox](#)
- [UAV Toolbox](#)
- [DO Qualification Kit \(for DO-178\)](#)
- [Simulink 3D Animation](#)

## Code Verification

- [Polyspace Bug Finder](#)
- [Polyspace Bug Finder Server](#)
- [Polyspace Code Prover](#)
- [Polyspace Test](#)
- [Polyspace Access](#)
- [Polyspace Code Prover Server](#)
- [Polyspace Client for Ada](#)
- [Polyspace Server for Ada](#)

## Signal Processing

- [Signal Processing Toolbox](#)
- [DSP System Toolbox](#)
- [Audio Toolbox](#)
- [Wavelet Toolbox](#)
- [DSP HDL Toolbox](#)

## Image Processing and Computer Vision

- [Image Processing Toolbox](#)
- [Computer Vision Toolbox](#)
- [Lidar Toolbox](#)
- [Medical Imaging Toolbox](#)
- [Vision HDL Toolbox](#)
- [Image Acquisition Toolbox](#)

## Automotive

- [Model-Based Calibration Toolbox](#)
- [Powertrain Blockset](#)
- [Vehicle Dynamics Blockset](#)
- [Automated Driving Toolbox](#)
- [IEC Certification Kit \(for ISO 26262 and IEC 61508\)](#)
- [Vehicle Network Toolbox](#)
- [AUTOSAR Blockset](#)
- [RoadRunner](#)
- [RoadRunner Asset Library](#)
- [RoadRunner Scenario](#)
- [RoadRunner Scene Builder](#)
- [Simulink 3D Animation](#)

## RF and Mixed Signal

- [Antenna Toolbox](#)
- [RF Toolbox](#)
- [RF PCB Toolbox](#)
- [RF Blockset](#)
- [Mixed-Signal Blockset](#)
- [SerDes Toolbox](#)
- [Signal Integrity Toolbox](#)

## Test and Measurement

- [Data Acquisition Toolbox](#)
- [Instrument Control Toolbox](#)
- [Image Acquisition Toolbox](#)
- [Industrial Communication Toolbox](#)
- [Vehicle Network Toolbox](#)
- [ThingSpeak](#)

## Computational Biology

- [Bioinformatics Toolbox](#)
- [SimBiology](#)

## Robotics and Autonomous Systems

- [Automated Driving Toolbox](#)
- [Robotics System Toolbox](#)
- [UAV Toolbox](#)
- [Navigation Toolbox](#)
- [ROS Toolbox](#)
- [Sensor Fusion and Tracking Toolbox](#)
- [RoadRunner](#)
- [RoadRunner Asset Library](#)
- [RoadRunner Scenario](#)
- [RoadRunner Scene Builder](#)
- [Simulink 3D Animation](#)

## Control Systems

- [Control System Toolbox](#)
- [System Identification Toolbox](#)
- [Predictive Maintenance Toolbox](#)
- [Robust Control Toolbox](#)
- [Model Predictive Control Toolbox](#)
- [Fuzzy Logic Toolbox](#)
- [Simulink Control Design](#)
- [Simulink Design Optimization](#)
- [Reinforcement Learning Toolbox](#)
- [C2000 Microcontroller Blockset](#)
- [Motor Control Blockset](#)

## Radar

- [Radar Toolbox](#)
- [Phased Array System Toolbox](#)
- [Sensor Fusion and Tracking Toolbox](#)
- [Mapping Toolbox](#)

## Wireless Communications

- [Communications Toolbox](#)
- [5G Toolbox](#)
- [LTE Toolbox](#)
- [WLAN Toolbox](#)
- [Bluetooth Toolbox](#)
- [Satellite Communications Toolbox](#)
- [Wireless HDL Toolbox](#)
- [Wireless Testbench](#)

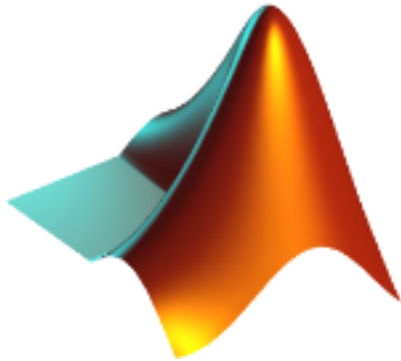
## Computational Finance

- [Datafeed Toolbox](#)
- [Database Toolbox](#)
- [Econometrics Toolbox](#)
- [Financial Toolbox](#)
- [Financial Instruments Toolbox](#)
- [Risk Management Toolbox](#)
- [Spreadsheet Link \(for Microsoft Excel\)](#)

## FPGA, ASIC, and SoC Development

- [HDL Coder](#)
- [HDL Verifier](#)
- [Deep Learning HDL Toolbox](#)
- [Wireless HDL Toolbox](#)
- [Vision HDL Toolbox](#)
- [DSP HDL Toolbox](#)
- [Fixed-Point Designer](#)
- [SoC Blockset](#)

# MATLAB NEDİR



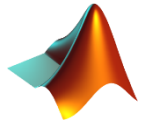
- MATLAB (matrix laboratory)
- Sayısal hesaplama yazılımı
- Programlama dili



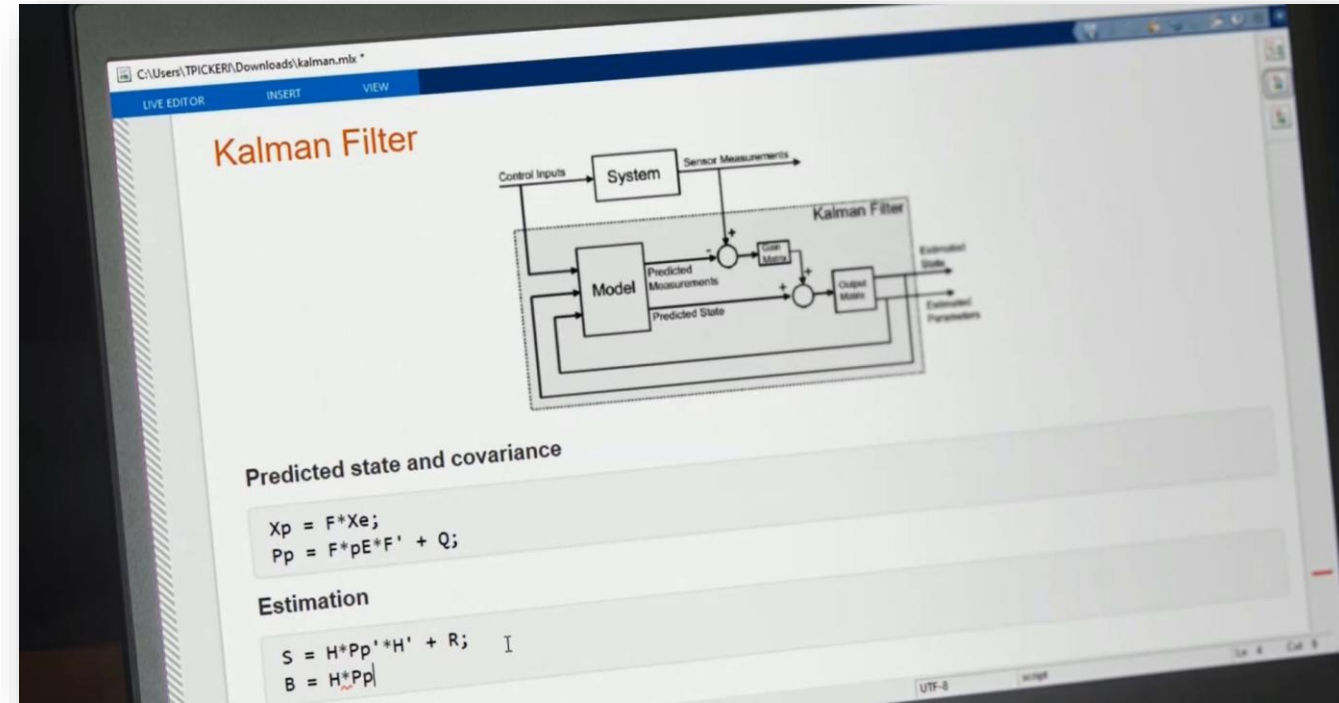
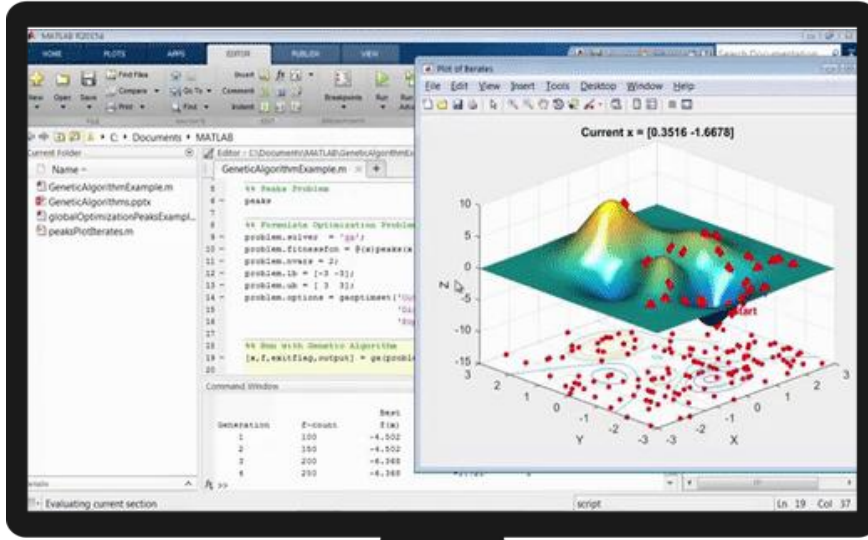
# MATLAB

**MATLAB:** MATLAB, bilim insanları ve mühendislerin tasarladıkları sistemleri ve ürünleri analiz etmeleri ve geliştirmeleri için özel olarak oluşturulmuş bir **programlama platformudur.**

- Data analizi
- Öngörücü modelleme
- Optimizasyon
- Algoritma geliştirme



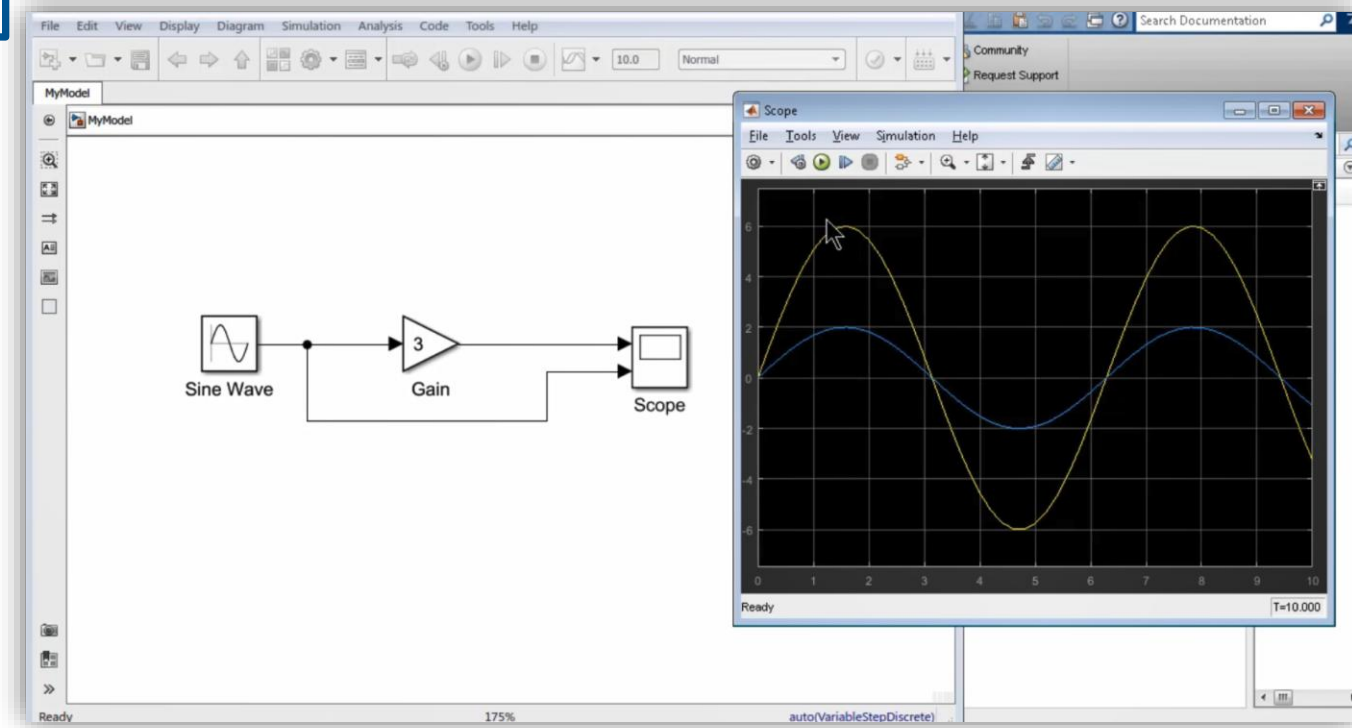
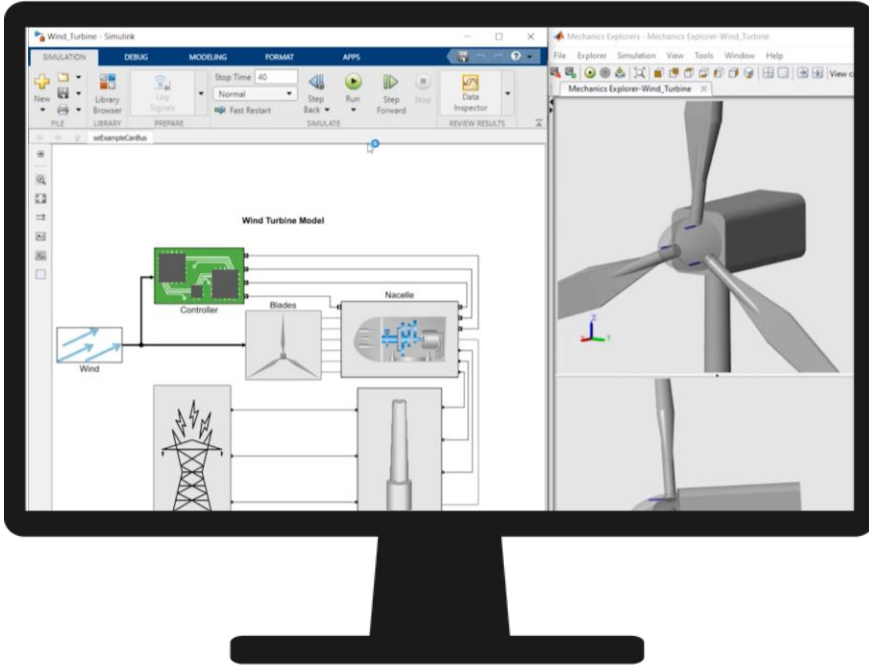
**Matematik, Grafik, Programlama.**



# Simulink

**Simulink:** simulasyon & model tabanlı tasarım

- Dinamik sistemler ve kontrol
- Optimize model geliştirme
- grid tasarımı/entegrasyon
- Kod üretimi

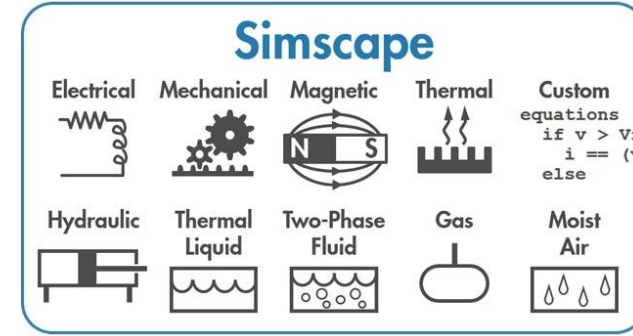


 **Mühendislerin çalışma şeklini değiştirmek.**

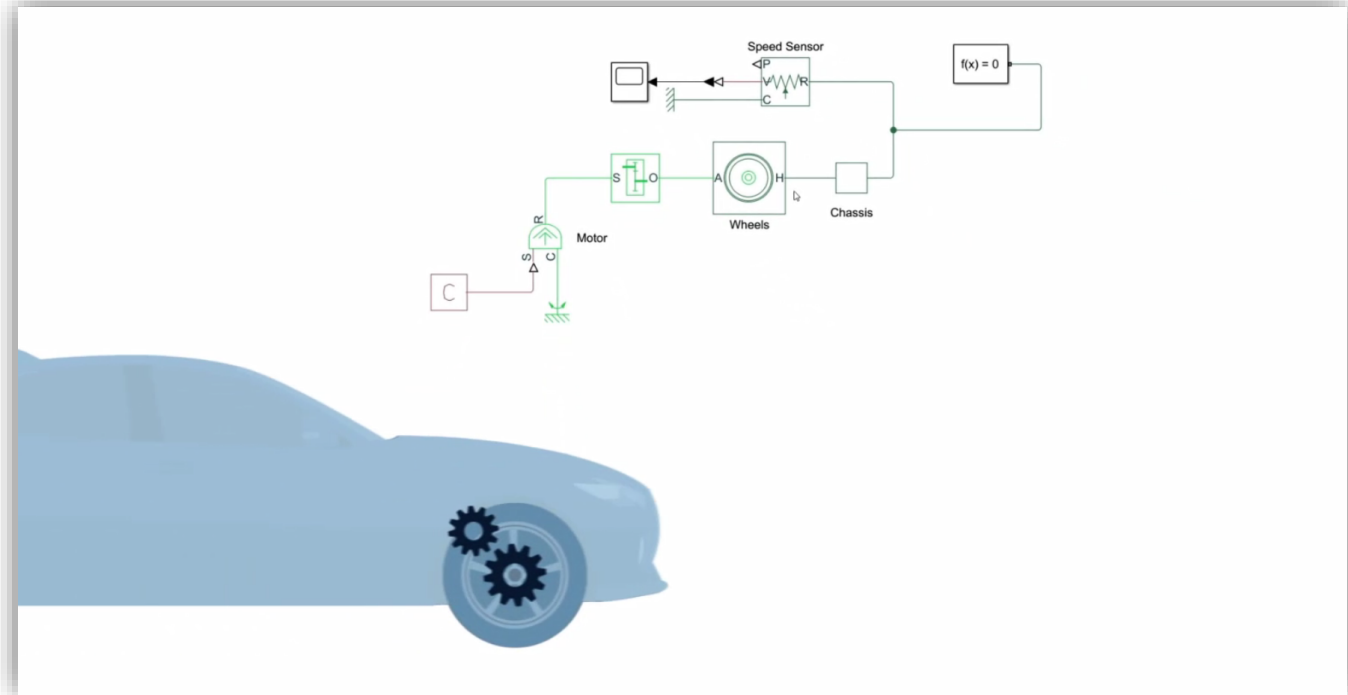
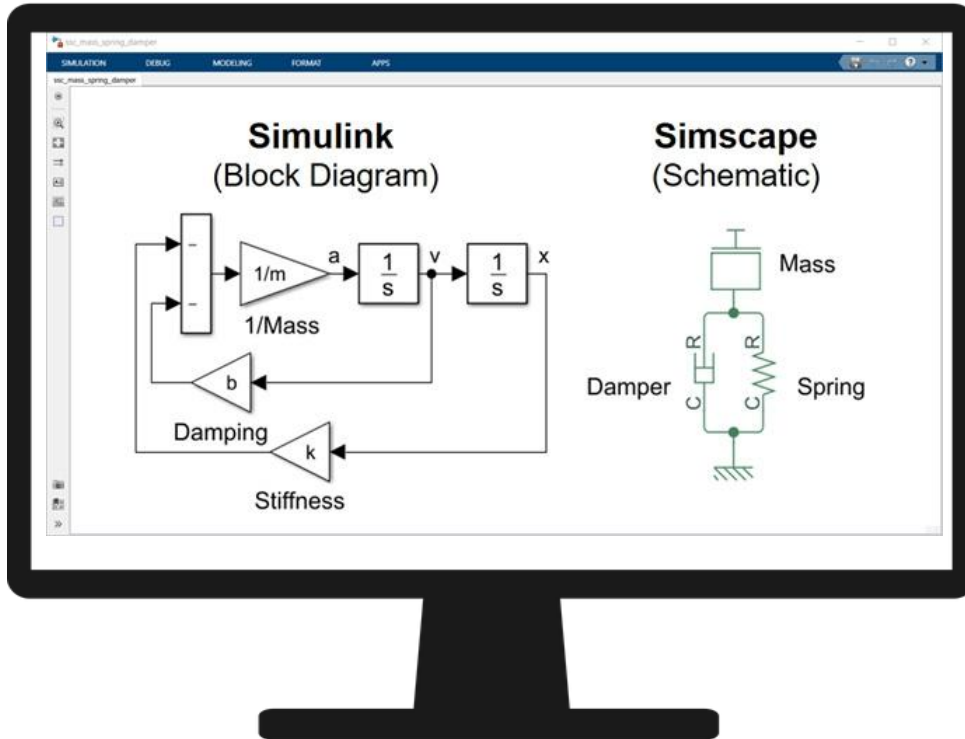
# Simscape

## Simscape: Fiziksel modelleme

- Multi-fizik problemler
- Basit görselleştirme
- Öğrenmeye yönelik
- Kişisel denklemler

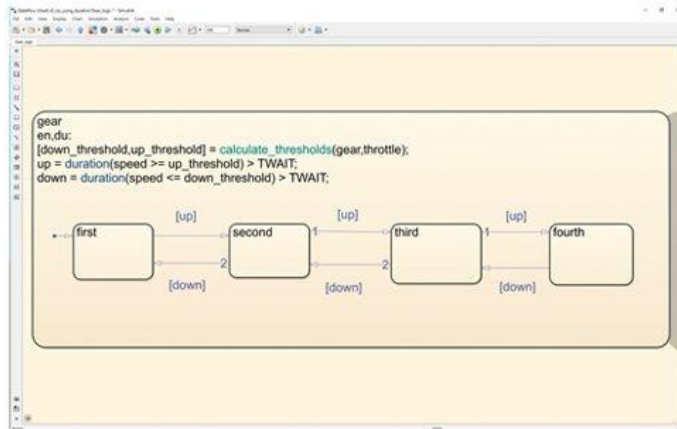


## Şematik fiziksel modelleme



# Stateflow

**Stateflow:** Karar verme için akış diyagramları



```
Code Generation Report
Find: switch
Match Case

Contents
Summary
Subsystem Report
Generated Code
[-] Model files
  sf_car_using_duration.c
  sf_car_using_duration.h
  sf_car_using_duration_private.h
  sf_car_using_duration_types.h
[-] Data files
  sf_car_using_duration_data.c
[-] Utility files (11)
[-] Interface files (1)

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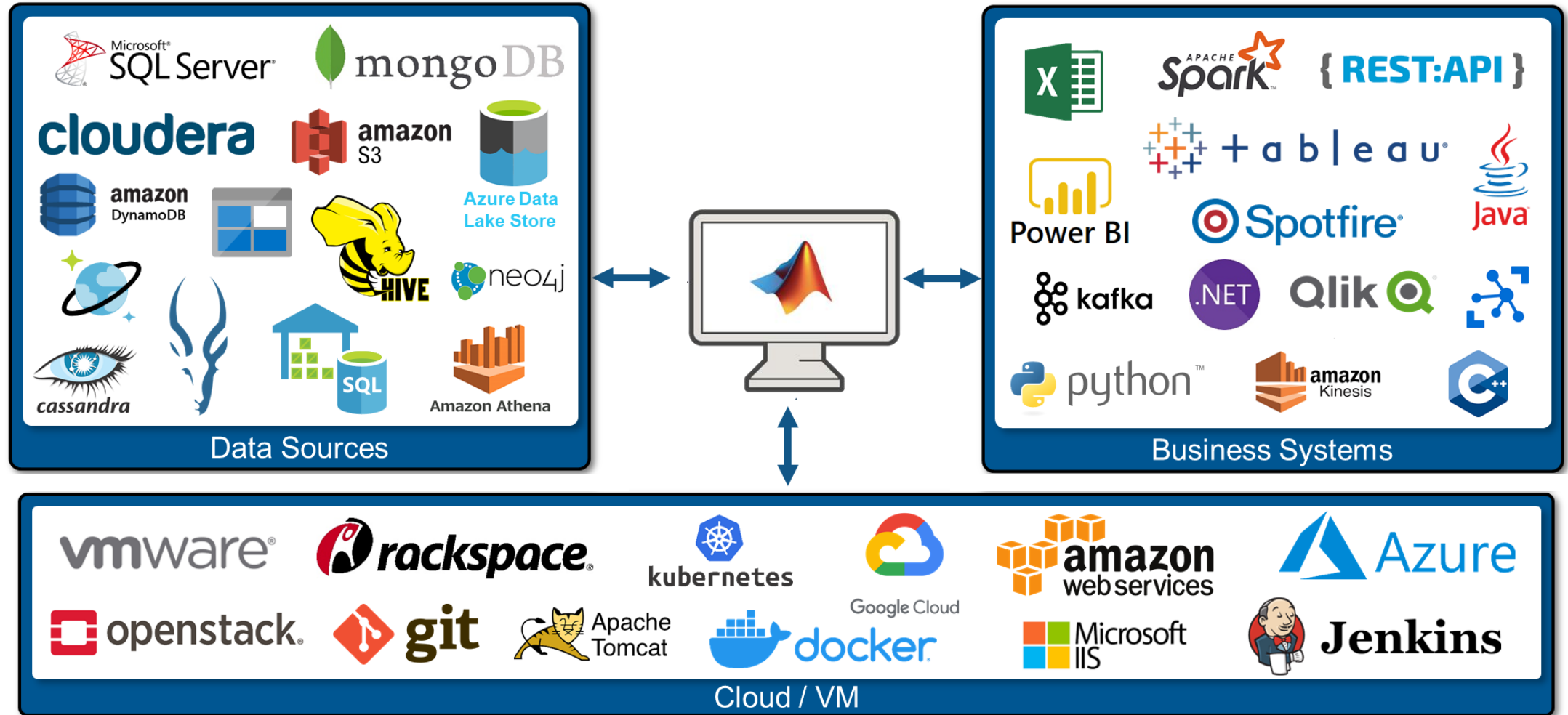
switch (sf_car_using_duration_B.gear) {
case gearType_first:
  /* During 'first': 'cS2:16' */
  if (up) {
    /* Transition: 'cS2:12' */
    sf_car_using_duration_B.gear = gearType_second;
  }
  break;
case gearType_second:
  /* During 'second': 'cS2:14' */
  if (up) {
    /* Transition: 'cS2:11' */
    sf_car_using_duration_B.gear = gearType_third;
  }
  else {
    if (down) {
      /* Transition: 'cS2:16' */
      sf_car_using_duration_B.gear = gearType_first;
    }
  }
  break;
case gearType_third:
  /* During 'third': 'cS2:15' */
  if (up) {
    /* Transition: 'cS2:18' */
    sf_car_using_duration_B.gear = gearType_fourth;
  }
  else {
    if (down) {
      /* Transition: 'cS2:15' */
      sf_car_using_duration_B.gear = gearType_second;
    }
  }
  break;
default:
  /* During 'fourth': 'cS2:17' */
  if (down) {
    /* Transition: 'cS2:14' */
    sf_car_using_duration_B.gear = gearType_third;
  }
  break;
}
```





# Farklı yazılımlar ile etkileşim

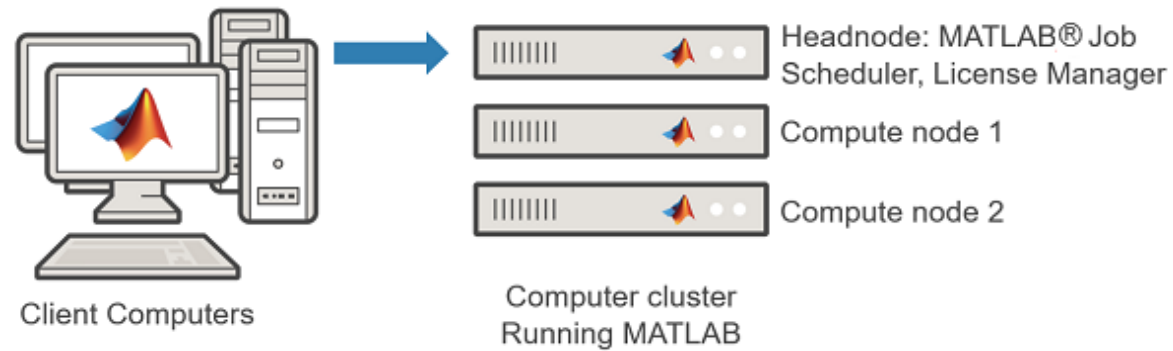
## MATLAB ve analitik ekosistem



# Parallel Server - TRUBA



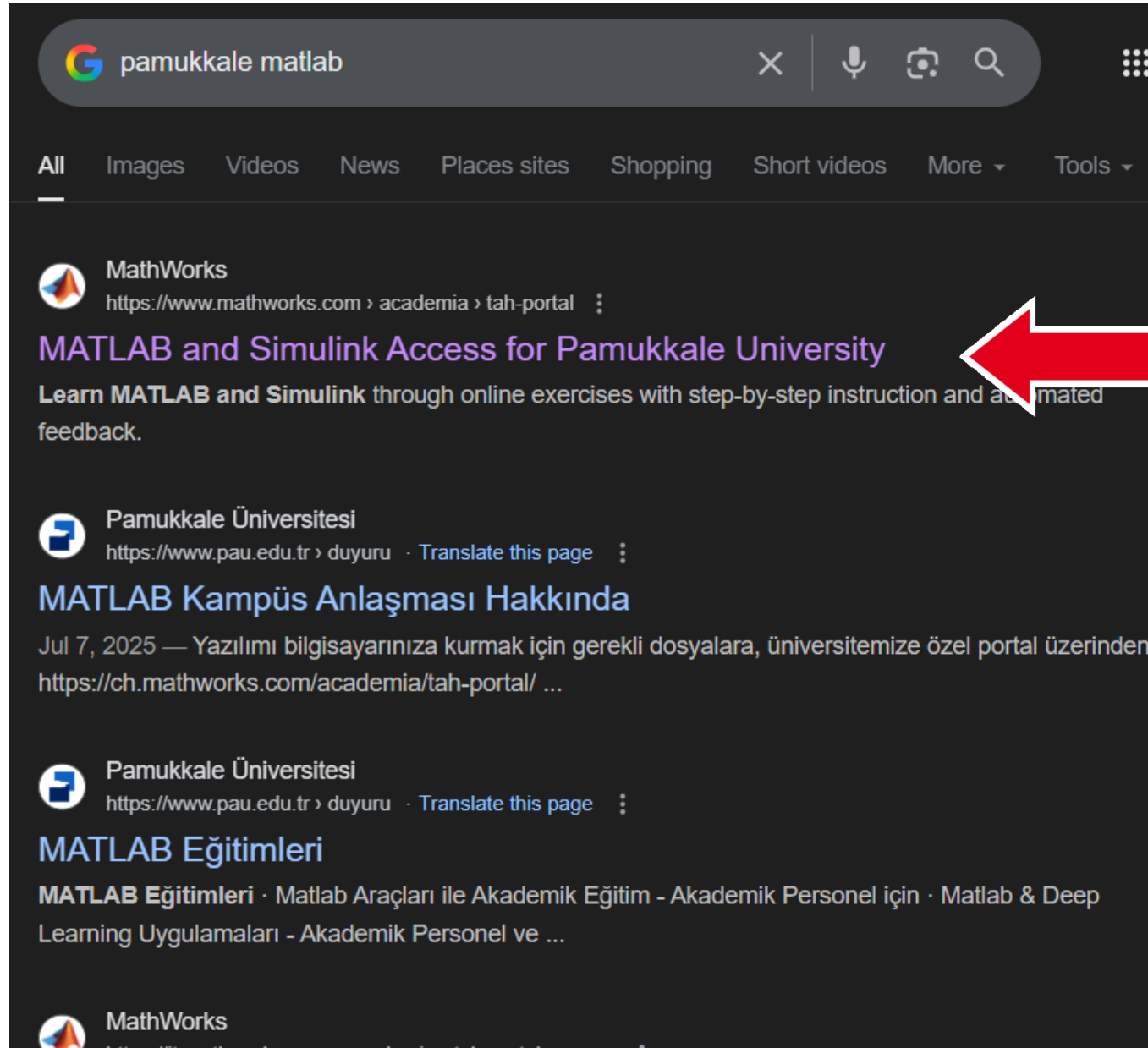
**TRUBA**  
Türk Ulusal Bilim e-Altyapısı





# MATLAB PORTAL

# MATLAB Kampüs Lisansı - Erişim



The screenshot shows a Google search interface with the query 'pamukkale matlab'. The search results are displayed in a dark theme. The first result is from MathWorks, titled 'MATLAB and Simulink Access for Pamukkale University', with a red arrow pointing to it. The second result is from Pamukkale Üniversitesi, titled 'MATLAB Kampüs Anlaşması Hakkında', dated Jul 7, 2025. The third result is also from Pamukkale Üniversitesi, titled 'MATLAB Eğitimleri'. The fourth result is from MathWorks, partially visible at the bottom.

Search results for 'pamukkale matlab':

- MathWorks**  
https://www.mathworks.com › academia › tah-portal  
**MATLAB and Simulink Access for Pamukkale University**  
Learn **MATLAB** and **Simulink** through online exercises with step-by-step instruction and automated feedback.
- Pamukkale Üniversitesi**  
https://www.pau.edu.tr › duyuru · Translate this page  
**MATLAB Kampüs Anlaşması Hakkında**  
Jul 7, 2025 — Yazılımı bilgisayarınıza kurmak için gerekli dosyalara, üniversitemize özel portal üzerinden https://ch.mathworks.com/academia/tah-portal/ ...
- Pamukkale Üniversitesi**  
https://www.pau.edu.tr › duyuru · Translate this page  
**MATLAB Eğitimleri**  
**MATLAB Eğitimleri** · Matlab Araçları ile Akademik Eğitim - Akademik Personel için · Matlab & Deep Learning Uygulamaları - Akademik Personel ve ...
- MathWorks**  
https://www.mathworks.com › academia › tah-portal

# MATLAB Kampüs Lisansı - Erişim



Pamukkale University

## MATLAB and Simulink Access for Pamukkale University

Both are available through your school's license.

[Sign in to get started](#)



We will not sell or rent your personal contact information. See our [privacy policy](#).



[See list of available products](#)



 Need help?

» [Contact MathWorks Support](#)

HOME

PLOTS

APPS

New Script

New Live Script

New

Open

Find Files

Compare

Import Data

Clean Data

Variable

Save Workspace

Clear Workspace

Favorites

Analyze Code

Run and Time

Clear Commands

Simulink

Layout

Preferences

Set Path

Parallel

Add-Ons

Help

Community

Request Support

Learn MATLAB

Search Documentation

Burak Süha

C: > Users > burak.minaz > OneDrive - figes.com.tr > Masaüstü > matlab\_calisma

Current Folder

resources

kontrol.slx

multibody.slx

ogrenme.slx

Untitled.prj

Details

Select a file to view details

Command Window

```
fx >> |
```

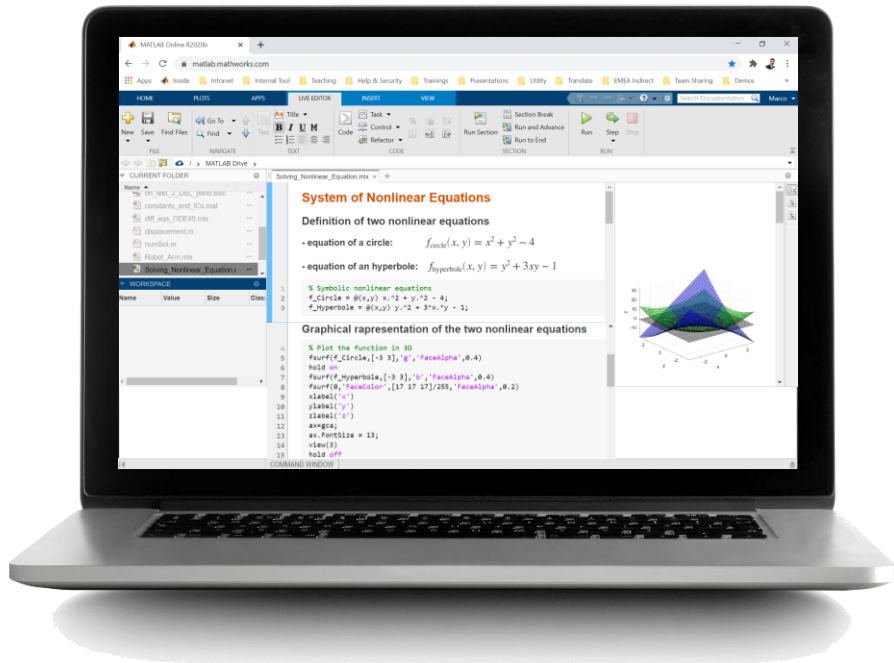
Workspace

Name	Value
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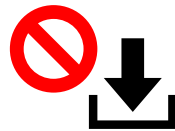
Ready

# MATLAB Online

Access MATLAB with web browser



everywhere



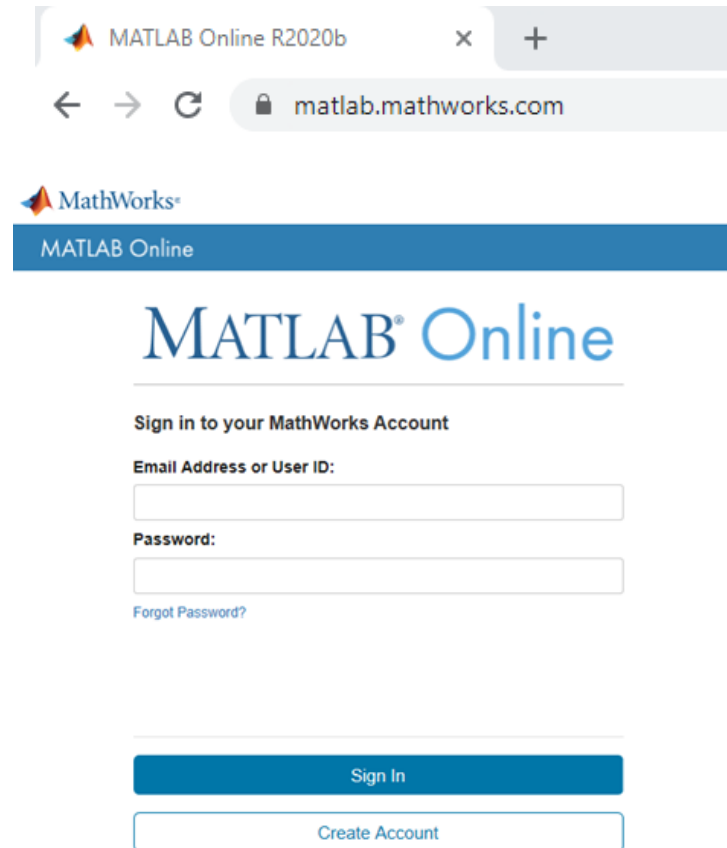
no download



cloud

For more info on MATLAB Online  
have look [here](https://matlab.mathworks.com)

<https://matlab.mathworks.com>



[Learn about MATLAB Online](#)

Use **MATLAB Drive™** to synchronize your MATLAB files between your computers and MATLAB Online.



# MATLAB Mobile

Use MATLAB on your mobile device



everywhere

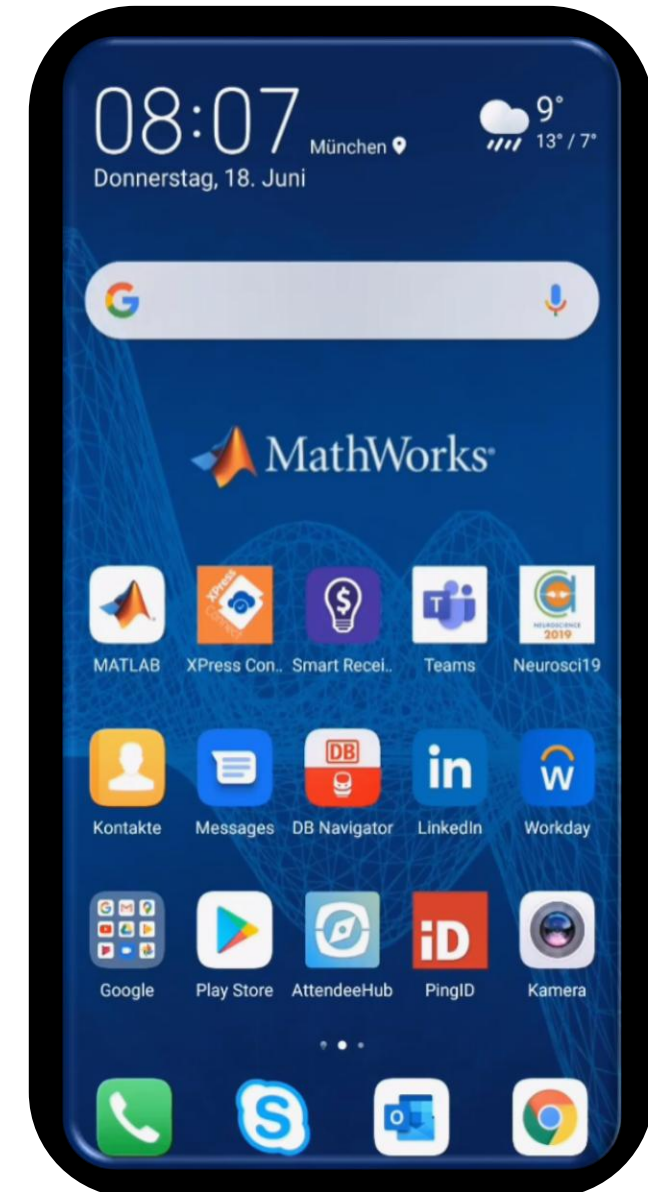


cloud



plug and play

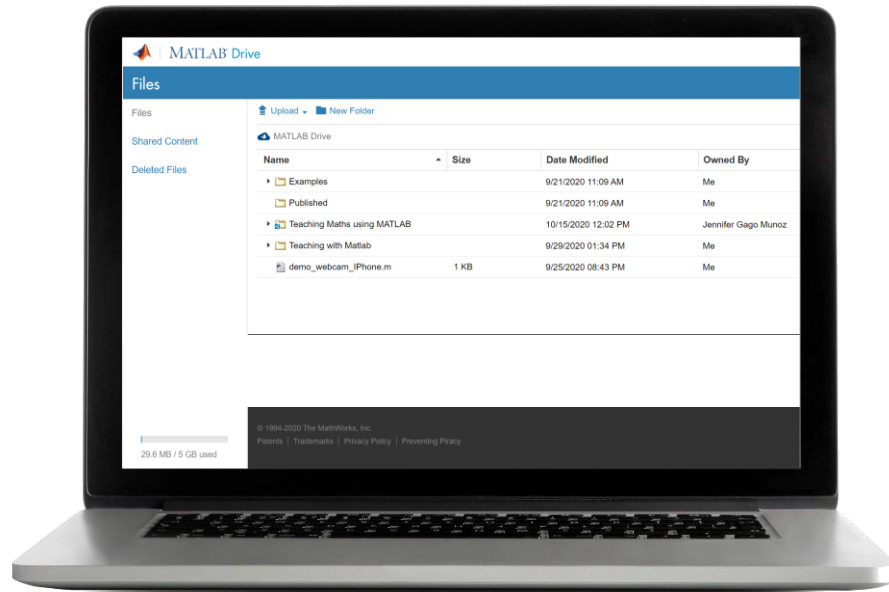
For more info on **MATLAB Mobile**  
have look [here](#)




# MATLAB Drive


Access your MATLAB files and Simulink models anywhere

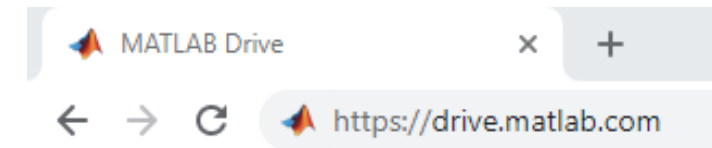
<https://drive.matlab.com>



  
up to 20Gb

  
cloud

  
share



## MATLAB® Drive

Sign in to your MathWorks Account

Email Address or User ID:

Password:

[Forgot Password?](#)

Sign In

Create Account

[Learn more](#) about MATLAB Drive.

[Install MATLAB Drive Connector.](#)

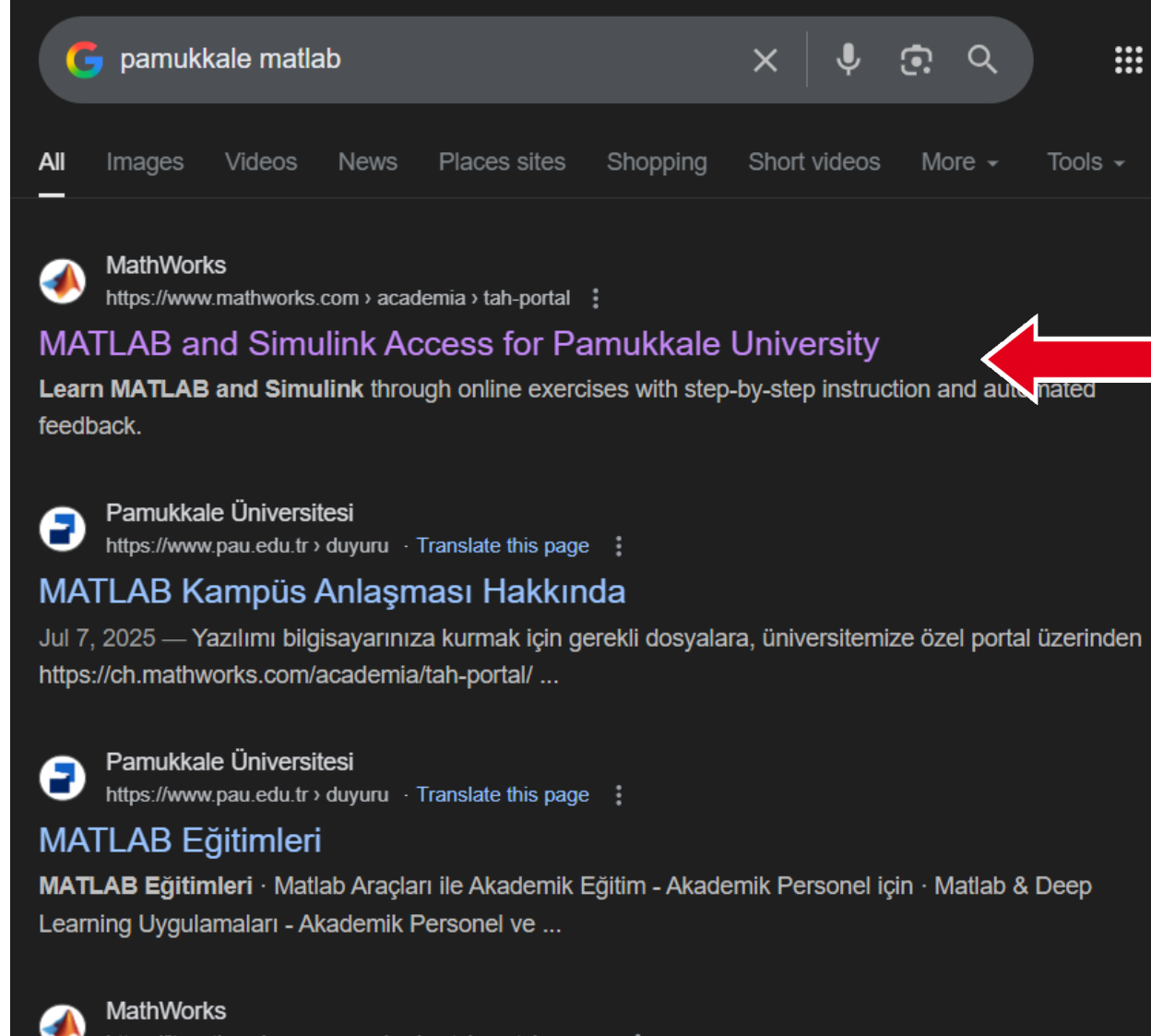
For more info on **MATLAB Drive**  
have look [here](#)



# ONLINE TRAINING

# Online Training Suite

## Kendi temponuzda MATLAB öğrenin



Search results for "pamukkale matlab":

- MathWorks**  
https://www.mathworks.com › academia › tah-portal  
**MATLAB and Simulink Access for Pamukkale University**  
Learn MATLAB and Simulink through online exercises with step-by-step instruction and automated feedback.
- Pamukkale Üniversitesi**  
https://www.pau.edu.tr › duyuru · Translate this page  
**MATLAB Kampüs Anlaşması Hakkında**  
Jul 7, 2025 — Yazılımı bilgisayarınıza kurmak için gerekli dosyalara, üniversitemize özel portal üzerinden https://ch.mathworks.com/academia/tah-portal/ ...
- Pamukkale Üniversitesi**  
https://www.pau.edu.tr › duyuru · Translate this page  
**MATLAB Eğitimleri**  
MATLAB Eğitimleri · Matlab Araçları ile Akademik Eğitim - Akademik Personel için · Matlab & Deep Learning Uygulamaları - Akademik Personel ve ...
- MathWorks**

### Pamukkale University

### Additional Resources



#### Self-Paced Courses

Learn MATLAB and Simulink through online exercises with step-by-step instruction and automated feedback.



#### Documentation

Search documentation, examples, and videos.

HOME PLOTS APPS

New Script New Live Script New Open Find Files Compare Import Data Clean Data Variable Save Workspace Clear Workspace Favorites Analyze Code Run and Time Clear Commands Simulink Layout Preferences Set Path Parallel Add-Ons Help Community Request Support Learn MATLAB

FILE VARIABLE CODE SIMULINK ENVIRONMENT RESOURCES

Search Documentation Burak Süha

C:\Users\burak.minaz\OneDrive - figes.com.tr\Masaüstü\matlab\_calisma

Current Folder

Name

resources

kontrol.slx

multibody.slx

ogrenme.slx

Untitled.prj

Details

Select a file to view details

Command Window

fx >> |


Workspace

Name	Value
------	-------


# Online Training Suite

## Kendi temponuzda MATLAB öğrenin


### Başlangıç için




New to MATLAB? Start here:  
**MATLAB Onramp**  
2 hours | Languages  
Get started quickly with the basics of MATLAB.




New to Simulink? Start here:  
**Simulink Onramp**  
2 hours | Languages  
Get started quickly with the basics of Simulink.




**Machine Learning Onramp**  
2 hours | Languages  
Learn the basics of practical machine learning methods for classification problems.




**Computer Vision Onramp**  
2 hours | Languages  
Learn the basics of computer vision to design an object detector and tracker.




**Signal Processing Onramp**  
1.5 hours | Languages  
An interactive introduction to signal processing methods for spectral analysis.




**Curve Fitting Onramp**  
1.5 hours | Languages  
Learn the basics of curve fitting using the Curve Fitter app.




**Statistics Onramp**  
1.5 hours | Languages  
Get started using statistical methods for analysis in MATLAB.



**Optimization Onramp**  
1 hour | Languages  
Learn the basics of solving optimization problems in MATLAB using the problem-based approach.



**Wireless Communications Onramp**  
1 hour | Languages  
Learn the basics of simulating a wireless communications link in MATLAB.



**Stateflow Onramp**  
2 hours | Languages  
Learn the basics of creating, editing, and simulating state machines in Stateflow.

### İleri seviyede



#### Simulink Fundamentals

8 hours | Languages

Learn how to use Simulink, a graphical simulation tool for modeling dynamic physical systems.

See these course modules:

- Course Overview
- Simulink Environment Overview

[View all 10 results...](#)



#### MATLAB for the MathWorks Certified MATLAB Associate Exam

**LEARNING PATH: 14 COURSES**

Learn the fundamental MATLAB skills covered in the MathWorks Certified MATLAB Associate exam.



#### Image Processing with MATLAB

11 hours | Languages

Learn practical image processing workflows in MATLAB.

<https://matlabacademy.mathworks.com/>

# Online Training Suite

## Kendi temposunuzda MATLAB öğrenin

- Uygulamalı öğrenme
- İstediğiniz yer ve zamanda
- Masaüstü ya da online erişim
- Gelişimi takip edin ve paylaşın

The screenshot displays the MATLAB Fundamentals online training interface. The top navigation bar shows 'MY COURSES' and 'MATLAB Fundamentals (2% complete)'. The current course is '4.3 Creating Evenly-Spaced Vectors: (4/8) Use Colon Operator and Linspace'. The interface is divided into three main sections: Task 1, Task 2, and Task 3. Task 1 is selected, and its instructions are shown in a light blue box: 'Create a variable named `x` that contains the row vector shown below.' Below the instructions, a row vector is displayed: `[3 5 7 9 11]`. To the right of the task instructions, there is a 'LIVE EDITOR' window with a toolbar and a code editor. The code editor shows the MATLAB code: `x = 5:15`. Below the code editor, there is a 'Task 2' section with the code: `x = linspace(5,15,13)`. At the bottom, there is a 'Task 3' section with the code: `x = 3:2:11`. The 'Test Results' section shows 'Correct!' and two checkmarks indicating successful completion of the task.

← MY COURSES MATLAB Fundamentals (2% complete)

4.3 Creating Evenly-Spaced Vectors: (4/8) Use Colon Operator and Linspace

Task 1

Task 2

Task 3

**TASK**  
Create a variable named `x` that contains the row vector shown below.

`3 5 7 9 11`

Hint | See Solution | Reset  
Course Quick Reference

Submit Next task

**Test Results: Correct!**

- ✓ Is `x` defined correctly?
- ✓ Does script not contain square brackets?

EvenlySpacedVectors.mlx \* x +

at a time.

**Task 1**

1 `x = 5:15`

**Task 2**

2 `x = linspace(5,15,13)`

**Task 3**

3 `x = 3:2:11`



# Course Completion Certificate

Marco Rossi

has successfully completed **100%** of the self-paced training course

MATLAB Onramp

  
DIRECTOR, TRAINING SERVICES

16 November 2020



# Ülkemizde MATLAB bilgisi isteyen firmalar



**FORD OTOSAN**

## Autonomous Driving – Systems Engineering T...

Ford Otosan · Ankara, Ankara, Turkey (Hybrid)

Apply

Save

...

### Experience

- Experienced in processes and standards such as ISO 26262, SOTIF 21448, UL4600, CMMI, ASPICE
- Experience in norms and processes used in Cybersecurity Standards and Frameworks
- Experience with Requirement Engineering and Management, and tools (e.g. DOORS, PTC Integrity)
- Experience with Configuration Management and Change Management processes and tools
- Proven record of taking customer requirements from design to production
- Experience in conducting FMEA, STPA activities
- 5+ years of system development experience in safety-critical systems in automotive, avionics or defense

### Education

- Bachelor's degree in Electrical/Electronics, Mechatronics, Robotics, Control Engineering, Computer Engineering or Computer Science
- PhD or MS degree in Electrical and Electronics, Mechatronics, Robotics, Control Engineering is a plus

### Skills & Competencies

- Experience in Model Based Systems Engineering and SysML
- Experience with model-driven algorithm development in MATLAB/Simulink environment
- Experience in verification in MIL and HIL environment is a plus

### Role Location

ODTÜ Teknokent - Ankara



## Durability Road Load Data Engineering

→ ...

TOGG | Türkiye'nin Otomobili Girişim Grubu · Gebze, Kocaeli, Turkey (On-site) 3 weeks ago · 200 applicants

Full-time

501-1,000 employees · Motor Vehicle Manufacturing

See recent hiring trends for TOGG | Türkiye'nin Otomobili Girişim Grubu. [Try Premium for free](#)

Your profile matches this job

Apply now

Save

### Experience, Education and Skills Required:

- Bachelor of Mechanical or Automotive Engineering degree and/or master's degree from a reputable university
- Experience in Automotive sector
- Knowledge of MSC ADAMS, MATLAB/Simulink or similar softwares
- Knowledge of multi-body dynamics analysis
- Knowledge of the nCode or similar softwares
- Good knowledge of component, system and vehicle durability testing
- Strong analytical and problem-solving skills



# Ülkemizde MATLAB bilgisi isteyen firmalar

## aselsan

ASELSAN bünyesinde Hava Savunma Füze Sistemi projelerinde görev alacak,

- Elektrik/Elektronik Mühendisliği veya Bilgisayar Mühendisliği bölümlerinden mezun,
- Savunma sanayinde en az 2 yıl sistem mühendisliği tecrübesine sahip,
- Tercihen donanım tasarım veya yazılım geliştirme tecrübesi ile başlamış en az 2 yıl bu temel tasarım bölümlerinde çalışmış ve en az 2 yıl sistem mühendisliği tecrübesine sahip,
- Tercihen bir projede başından teslimatına kadar sistem mühendisi olarak görev almış olmak
- Sistem Geliştirme Süreçlerine hakim olmak;

1. Gereksinim Analizi / Gereksinim Yönetimi
2. Kullanım Durum Analizi (Use Case Analysis)
3. Fonksiyonel / Mantıksal Analiz
4. Entegrasyon
5. Doğrulama / Gecерleme Faaliyetleri

- TOOLS Gereksinim Yönetim Aracı kullanabilen,
- MATLAB ve Simulink kullanabilen,
- JIRA / ClearCase / ClearQuest vb. araçları kullanabilen,
- Rhapsody System Architect veya benzeri model tabanlı sistem mühendisliği yazılımlarını kullanmış, SysML modelleme diline hakim,
- Tercihen hava ve füze savunma kavramı konusunda bilgi sahibi,
- Sistem seviyesi düşünebilme, işi sahiplenerek sonuçlandırma becerisine sahip,
- Ekip çalışmasına yatkın, iletişim yönü kuvvetli, sorumluluk sahibi, öz motivasyonu yüksek,
- Dinamik, yeniliklere ve değişime açık ve planlı çalışma becerisine sahip,
- Seyahat engeli bulunmayan,
- Ofis dışında test sahalarında ve arazi koşullarında çalışmaya istekli olan,



### Yazılım Kalite Güvence Mühendisi

TEI - TUSAŞ Engine Industries, Inc. - Eskişehir, Turkey

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yetkinlikler aşağıda yer almaktadır.

#### Genel Nitelikler:

- Üniversitelerin Yazılım, Bilgisayar, Elektronik, Mekatronik, Kontrol Mühendisliği bölümlerinden en az lisans derecesi ile mezun,
- Gömülü sistemler konusunda bilgili ve tecrübeli,
- Tercihen RTCA-DO 178B/C ve/veya RTCA-DO 254 geliştirme ve/veya doğrulama ve/veya integral süreçleri ile ilgili tecrübeli,
- Tercihen DO160 Çevresel koşullar ve test prosedürleri ile ilgili bilgili,
- Tercihen DOORS, JIRA, vb. araçlarını etkin kullanabilen,
- C, C++ ve Matlab/Simulink kudu okuyabilen,
- Analitik düşünme ve problem çözme yeteneği,
- İyi derecede İngilizce bilen,
- Bölümler/şirketler arası kurulacak ekiplerde çalışabilecek, iletişim yeteneği yüksek
- Eskişehir'de ikamet eden/edebilecek,

#### İş Tanımı:

- Uçak, helikopter ve insansız hava aracı motorlarının Yazılım/Donanım geliştirme faaliyetlerinde başlangıçtan kabul aşamasına kadar tüm ürün/hizmet ve süreçlerde müşteri ile sözleşmeden doğan gerekliliklerin karşılanması ve AS9100/ISO9001 ile uygunluğunu izlemek, denetlemek,
- Yazılım/Donanım geliştirme süreçlerine yönelik kalite güvence planlarını hazırlamak,
- Yazılım/Donanım yaşam döngüsü datalarının denetimini/kabulünü gerçekleştirmek,
- Proje ile ilgili gözden geçirmelere katılmak,
- Proje yaşam döngüsü süreçleri arasında geçiş kriterlerini değerlendirmek,
- Testlere şahitlik etmek,
- Yazılım/Donanım geliştirme ve doğrulama ortamlarını denetlemek,



### Uçuş Yönetimi Tasarım Mühendisi

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#### İş Tanımı

- Sistem mimarisi geliştirme, gereksinim yönetimi, yedeklilik yönetimi, emniyeti idame edilebilirlik, sertifikasyon çalışmalarına destek sağlamak
- Otomatik uçuş kontrol algoritmalarını (otopilot ve seyrüsefer algoritma tasarımı) geliştirmek,
- Matlab ve Simulink ortamlarında hava aracı modelleme ve simülasyon çalışmalarını gerçekleştirmek

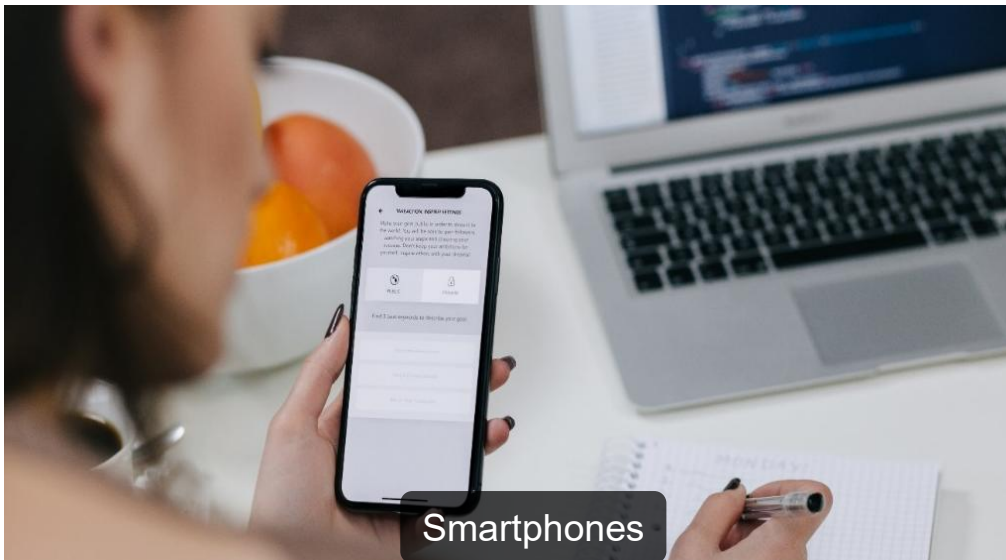
#### Aranan Nitelikler

- Üniversitelerin Havaçılık ve Uzay, Makine, Mekatronik, Elektrik Elektronik veya Kontrol Mühendisliği bölümlerinden mezun olmak,
- İyi derecede İngilizce bilgisine sahip olmak (TOEFL İBT 84+, IELTS 6.5+, TÖMER 79+, İTEP 4+)
- Kontrol, güdüm ve navigasyon sistemleri hakkında bilgi sahibi olmak
- Otomatik uçuş kontrol algoritmaları, otopilot ve seyrüsefer algoritma tasarımı konularında deneyimli olmak
- Sistem mimarisi geliştirme, gereksinim yönetimi, yedeklilik yönetimi, emniyeti idame edilebilirlik, sertifikasyon çalışmalarına destek sağlamak,
- MATLAB ve Simulink ortamlarında of hava aracı modelleme ve simülasyon çalışmalarını gerçekleştirmek
- Havaçılık alanında yapılan akademik çalışmaları ve teknolojik gelişmeleri takip etmek

# KULLANIM ALANLARI

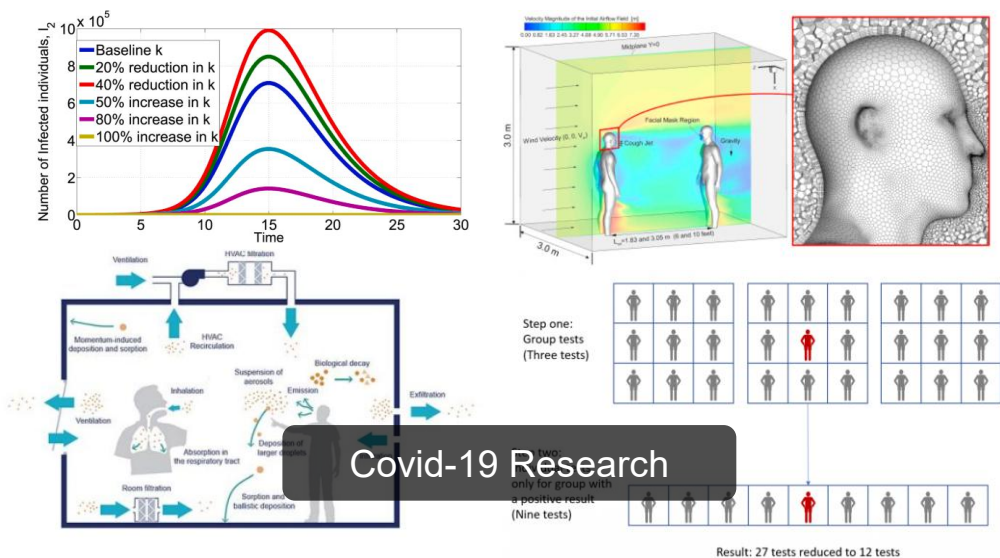


Our software is used to design the products we rely on every day





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## Reusable Rockets

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# Subaru - Digital Transformation in Automotive

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# MATLAB ve Simulink'i kimler kullanıyor?





# MATLAB ve Simulink'i kimler kullanıyor?



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- Documentation

Courses

Introduction to Numerical Methods (Instructor)

Created By Balaji Sharma (balaji.sharma@mathworks.com)

Duration (EDT): 01 Jan 2018 - 03 Sep 2018

3 Problems | 3 Students

Copy of Introduction to Programming (Instructor)

Created By Eric Davishahl (edavishahl@everettcc.edu)

Duration (PDT): 03 Apr 2018 - 15 Sep 2018

94 Problems | 0 Students

Example Problems (Instructor)

Created By Aditya Jain (aditya.jain@mathworks.com)

Duration (UTC): Not Specified - Not Specified

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Create problems outside of a course, storing them in collections or problems in courses.

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Vector Creation (Leibniz series terms)

hide details...

Consider the Leibniz series:

$$1 - \frac{1}{3} + \frac{1}{5} - \frac{1}{7} + \frac{1}{9} - \dots$$

Write a script to generate a vector of the first twenty terms of this series. Assign the vector of series terms to a row vector variable named **LeibnizTerms**.

Solve this problem using vectorized code (i.e. do not use a loop in your solution.)

Files Referenced

None

Problem Type

Script

Code

Reference Solution

Learner Template

```
1 k = 0:19;
2 LeibnizTerms = (-1).^k ./ (2 * k + 1);
```

Assessment

Test 1

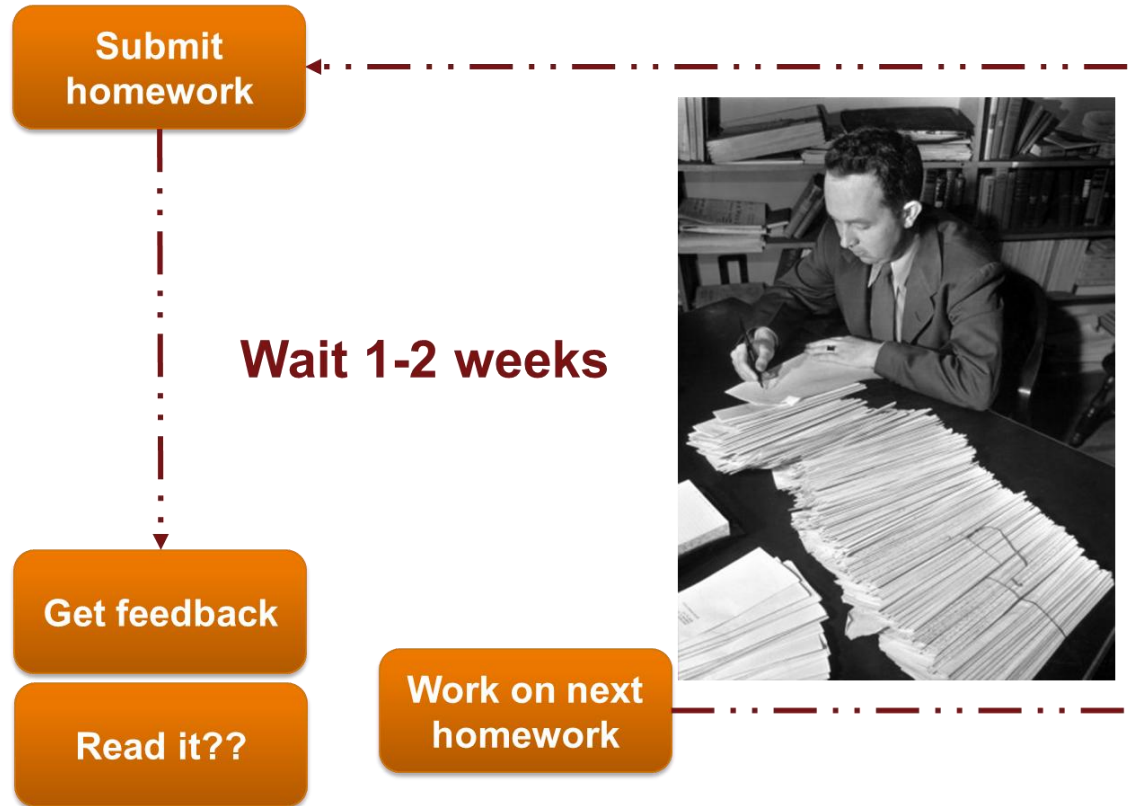
Does variable LeibnizTerms have the correct values?

LeibnizTerms = Reference Solution?

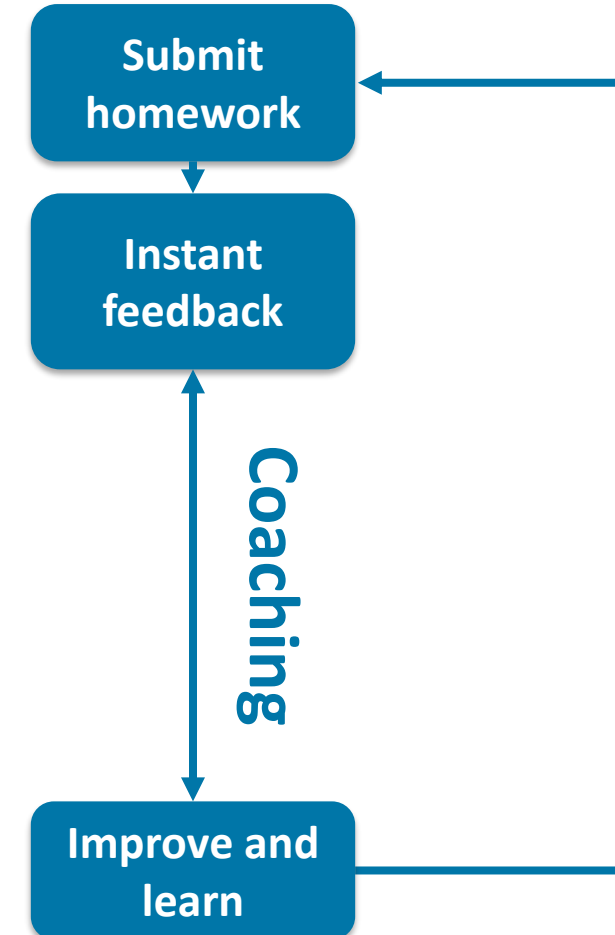
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# MATLAB Grader

Learning by doing

## Your Script

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```
1 % Load the data. Every day from 1900 - 2017.
2 BostonTemps = readtable('BostonDailyHighLowTemps.xlsx');
3
4 % Group by day of year. Then find the average low temperature
5 % for each day of the year and the standard deviation of the
6 % temperature for that day.
7 gDays = findgroups(day(BostonTemps.Date, 'dayofyear'));
8 avgTmin = splitapply(@mean, BostonTemps.Tmin, gDays);
9 stdTmin = splitapply(@std, BostonTemps.Tmin, gDays);
10
11 % Find the number of days in each year where Tmin < avgTmin - stdTmin
12
13
```

Run Script ?

Assessment: 80%

Submit ?

✓ Is cross-sectional area correct?	10% (10%)
✓ Is the Modulus of Elasticity correct?	30% (30%)
✓ Is yield strength calculated correctly?	30% (30%)
✓ Is ultimate strength correct?	10% (10%)
✗ Is fracture strength correct? Variable fracture has an incorrect value.	0% (20%)

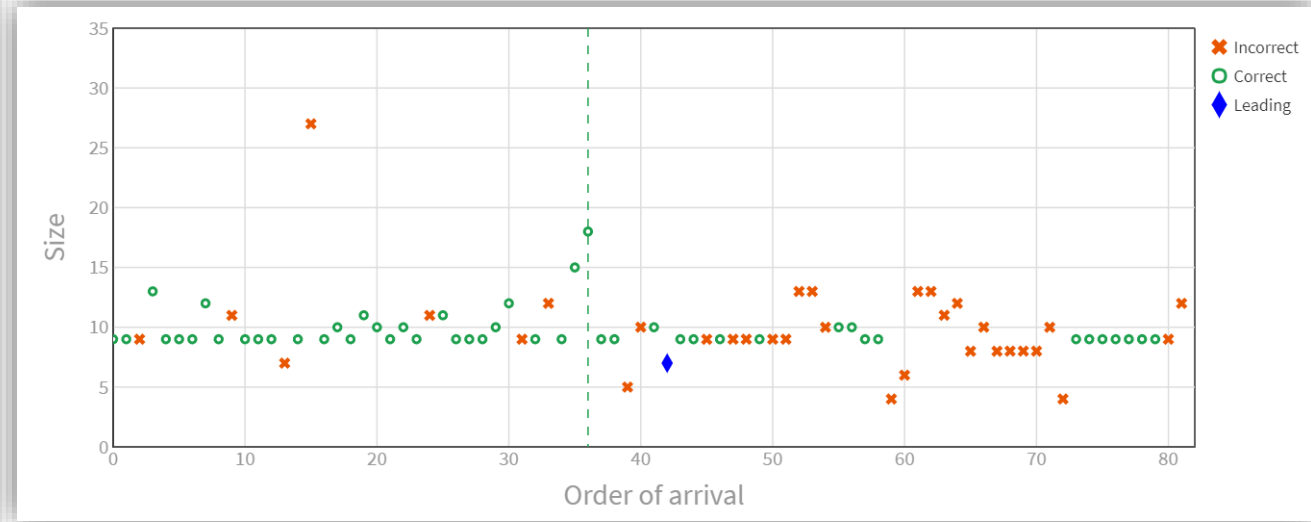
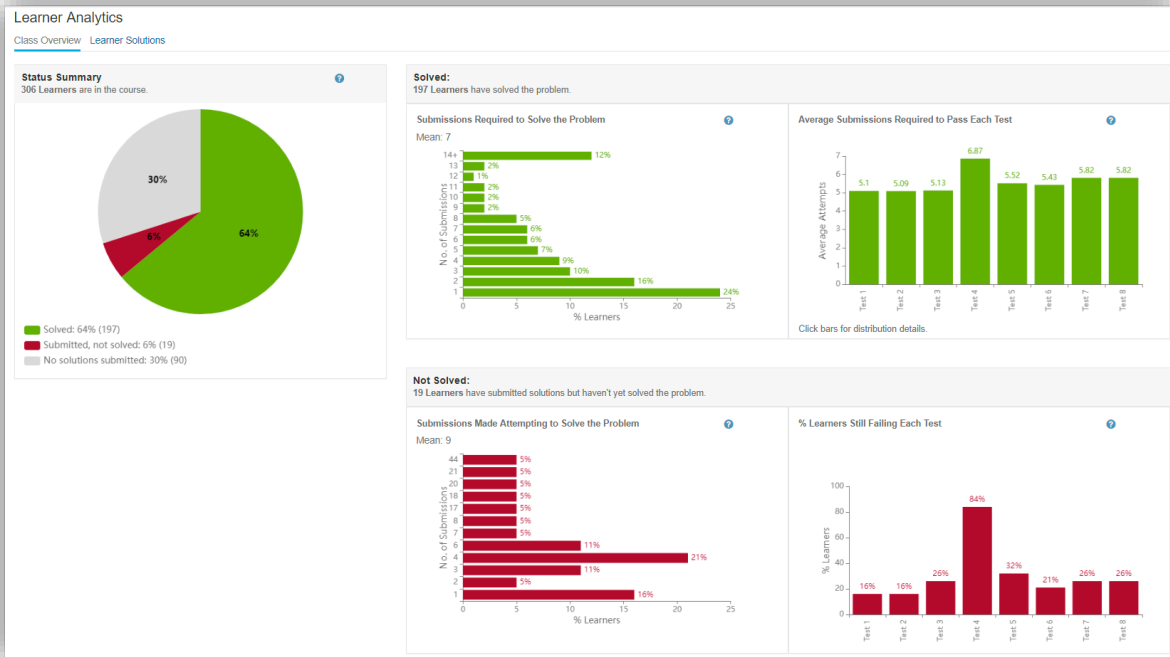
Verify that:

- strain data starts at 0 mm/mm, and stress starts at 0 Pa. Correct the raw data if necessary.
- fracture is assigned a stress value with units of Pa

Total: 80% (100%)

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Analyze your class stats





# TEŞEKKÜRLER



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