

Live Webinar – MATLAB for Teaching, Learning and Research

Date::

February 6, 2018

Please join MathWorks in this live webinar to learn more about the latest tools and technology to support teaching, learning and research with MATLAB. The invitation to this webinar is offered by the College of Engineering on behalf of MathWorks, the company behind the MATLAB software. The webinars, presented via Webex, are open to anyone in the UA community.

[Register for and access the webinars here](#)^[1].

Schedule:

- Thursday, February 8, 2018: 1:30-4 p.m.
- Friday, February 16, 2018: 3:30-6 p.m.

You are welcome to join the entire, or part of, any of the sessions below. The agendas for both days will be the same.

Part 1: Teaching and Learning with MATLAB (great for instructors/TAs/new users) – 1 hour

MATLAB and Simulink provide a flexible and powerful platform to develop and automate data analysis and simulation workflows in a wide range of domains and industries. Recent innovations in the product make it easier to use it for teaching, learning and collaboration across disciplines like engineering, sciences, medicine, business, agriculture, etc.

Highlights include:

- Brief introduction to MATLAB
- Learning – Self-paced trainings, project based learning, hardware support
- Teaching – Auto-grading online assignments, free courseware, books
- Research – Key features, resources

Part 2: Optimizing and Accelerating MATLAB Code (great for current users) – 1 hour

In this session, you will learn a variety of methods to speed up your MATLAB applications. This will include tips on how to optimize the performance of the MATLAB code itself, as well as illustrating how to use the MATLAB family of products to take advantage of additional hardware, such as multicore machines, GPUs, and computer clusters.

Highlights include:

- Leverage the power of vector and matrix operations in MATLAB
- Identify and address bottlenecks in your code
- Utilize additional processing power available in multicore machines, GPUs, and clusters

Part 3: Q&A – 30 min

About the presenter: Sumit Tandon is a Senior Customer Success Engineer at MathWorks. In this role, he partners with MATLAB users in academia on projects related to curriculum development, research, digital learning, industry relations, high performance computing, user proficiency. He has BE and MS degrees in Electrical Engineering, and has been with MathWorks for over 10 years.

Questions? Contact:

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<https://uaatwork.arizona.edu/sites/default/files/Live%20Webinar%20%E2%80%93%20MATLAB%20for%20Teaching%20and%20Research.pdf>

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Links

^[1] <https://www.mathworks.com/company/events/seminars/teaching-learning-and-research-with-matlab-2386638.html> ^[2] <mailto:Sumit.Tandon@mathworks.com>