



Machine Learning and Deep Learning Q&A

Learn what questions engineers are asking about machine learning and deep learning. Get answers, solutions, and examples about these popular topics.

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Educator Resources



Convolution in Digital Signal Processing Courseware

Introduce the fundamentals of convolution in digital signal processing with this interactive teaching module. Modify the script to fit your own teaching and learning needs.

[Download courseware](#)



Instructor-led Online Training on MATLAB & Simulink

As an alternative to classroom courses, MathWorks has added more instructor-led online training courses. See if you are eligible for an academic discount.

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Virtual Events & Webinars

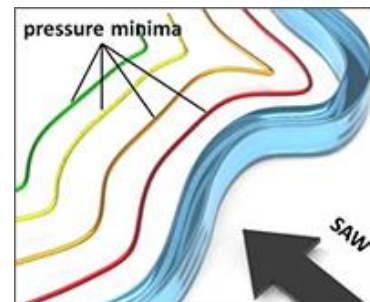
- 16 Feb** Introduction to Mapping: Import, Transform, and Display Geographical Data [» Register](#)
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- 17 Feb** Lidar Processing for Autonomous Systems [» Register](#)
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- 18 Feb** Developing AI Enabled Digital Health Applications [» Register](#)
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- 24 Feb** Deep Learning and Machine Learning for Signal Processing Applications [» Register](#)

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MATLAB in Research

Physics-Informed Machine Learning: Cloud-Based Deep Learning and Acoustic Patterning for Organ Cell Growth Research

MIT researchers designed microfluidic devices that can arrange cells in a desired pattern when an acoustic wave is applied, giving scientists a noninvasive way to hold cells in place when growing organ tissue in the lab.



[Read article](#)

MATLAB and Simulink in Industry



WaveSense Enables Self-Driving Vehicles to Navigate in Challenging Road Conditions

Watch to see how Wavesense, a U.S. startup, is using radar technology with MATLAB to help vehicles "see" even when the road isn't visible to the human eye.

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