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MATLAB Coder generates readable and portable C code from MATLAB code and enables you to:

Integrate algorithms into application software
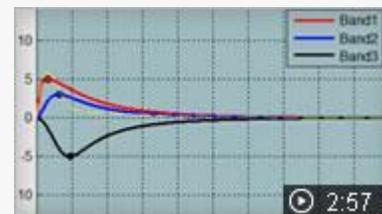» Integrate C code into Visual Studio project

Implement algorithms on mobile and embedded processors
» Integrate MATLAB algorithm into iPhone/iPad and Android apps

Prototype algorithms on a desktop computer
» Prototype MATLAB algorithms as an executable

Accelerate algorithm execution in MATLAB
» Accelerate image compression algorithm in MATLAB

Try it for yourself
» Download a free 30-day trial of MATLAB coder

Learn more. View pricing for MathWorks products or contact a technical expert who can help set you up for a guided evaluation.

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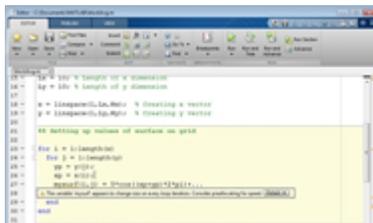As a part of an overall acceleration strategy with MATLAB Coder, you can accelerate computationally intensive portions of your MATLAB code by generating a MATLAB executable (MEX-file) that calls the compiled C/C++ code.

You can also integrate your MATLAB algorithms as C source code, static/dynamic libraries, or into applications that run on desktops, servers, mobile devices, and embedded systems. Learn more below:
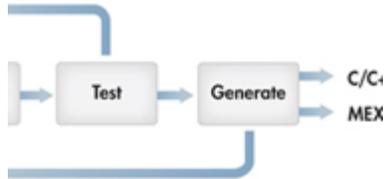
Accelerate your MATLAB algorithm
» Read: Accelerating MATLAB Algorithms and Applications

Generate C code from your MATLAB algorithms
» Watch: MATLAB to C Made Easy

Best practices and workflows for converting MATLAB algorithms into C code
» Read: The Joy of Generating C Code

Try it for yourself
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