

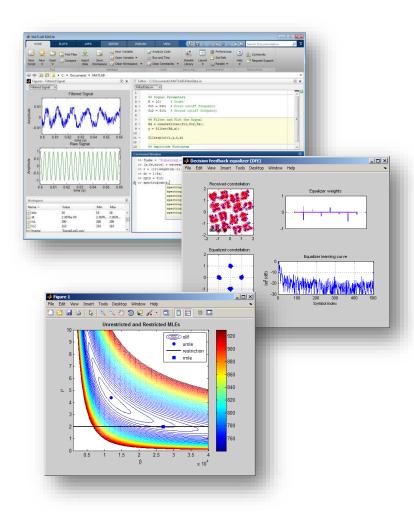
Introduction to MATLAB

Andy Thé MathWorks Product Marketing Manager



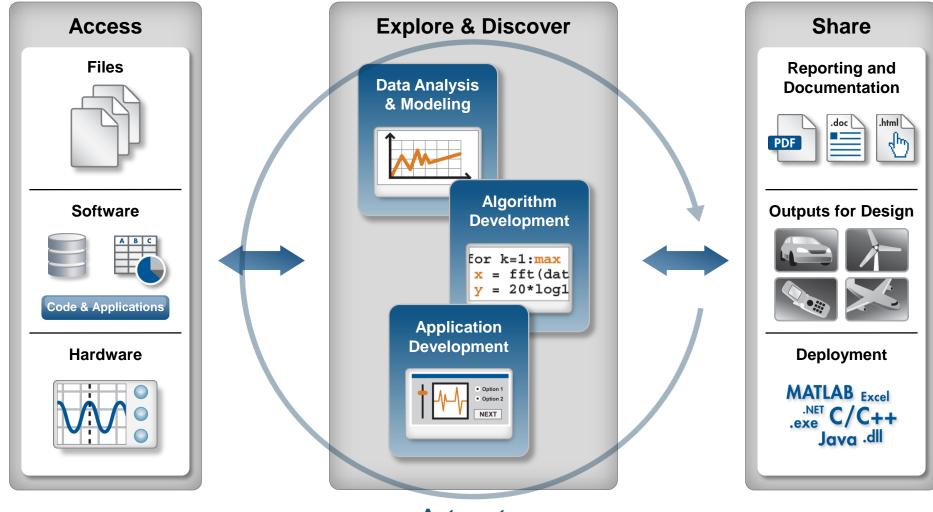
What is MATLAB?

- High-level language
- Interactive development environment
- Used for:
 - Numerical computation
 - Data analysis and visualization
 - Algorithm development and programming
 - Application development and deployment





Technical Computing Workflow

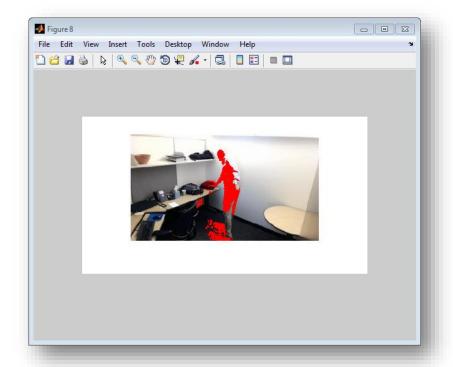


Automate



Demo: Intruder Detection System

- Goal: Explore images to create and share a intruder detection algorithm
- Approach:
 - Develop using static images
 - Document with a published report
 - Extend to live webcam video

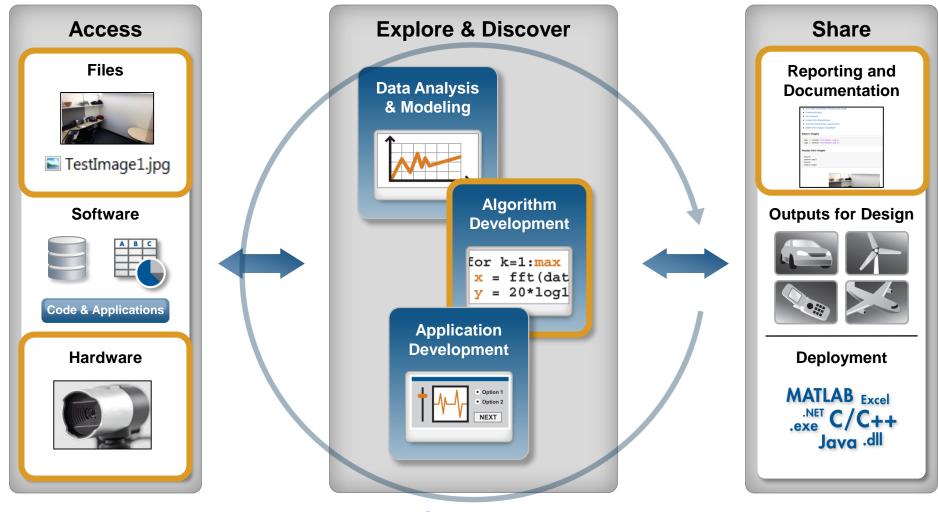




Demo: Intruder Detection System

Products Used

- MATLAB
- Image Processing Toolbox

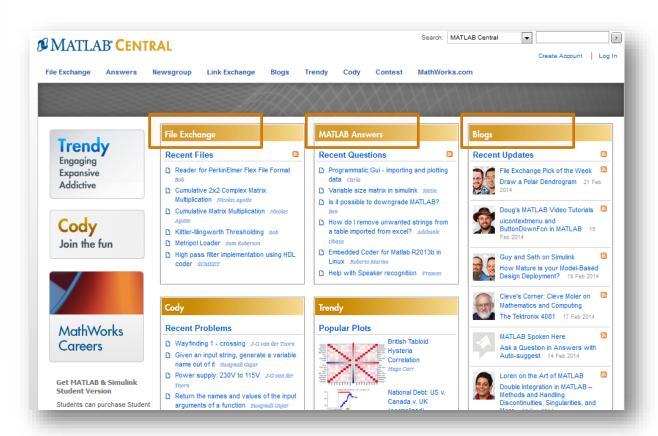




Learn More: MATLAB



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Learn More: Image Processing Toolbox

