

# MATLAB<sup>®</sup> and Simulink Toolboxes

In addition to the many functions included in MATLAB, there are additional Toolboxes that can be added. These Toolboxes have groups of related functions that can be used for more advanced computations and data processing. The MathWorks, Inc. also has a family of simulation software called Simulink; it, too, can be augmented with additional Toolboxes. For more detailed information, see the website <https://www.mathworks.com/>. Some of the more common Toolboxes include functions for advanced image processing, control system design, signal processing, curve fitting, parallel computing, and optimization.

Here is a list of some of these Toolboxes:

- Symbolic Math Toolbox (some used in this text)
- Statistics and Machine Learning Toolbox (mentioned in this text)
- Curve Fitting Toolbox
- Optimization Toolbox
- Partial Differential Equation Toolbox
- Image Processing Toolbox
- Mapping Toolbox
- Neural Network Toolbox (for Deep Learning)
- Text Analytics Toolbox
- Image Acquisition Toolbox
- Data Acquisition Toolbox
- Instrument Control Toolbox
- Signal Processing Toolbox
- Control System Toolbox
- Parallel Computing Toolbox
- Aerospace Toolbox
- Bioinformatics Toolbox