

Maple Portal for Engineers

The Maple Portal for Engineers, which provides a starting point for common engineering tasks, now covers many more topics, includes more examples, and provides sample applications to help you become productive quickly.

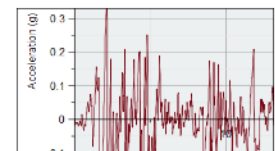
Applications and Examples

- Application Gallery
- More In-Product Applications
- Application Center

UI and Environment

- Managing Multi-File Projects
- Documenting Your Work
- Password Protected Worksheets
- Interactive Components

Applications



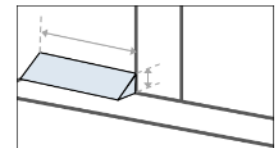
Application Gallery

Data Analysis and Visualization

- Importing and Visualizing Data, Images, and Audio
- Curve Fitting and Parameter Estimation
- Linear Interpolation
- Plot Irregularly Spaced 3-D Data as a Surface

Physical and Scientific Data

- Physical Constants
- Chemical and Isotope Data
- Fluid Properties
- AISC Structural Steel Shapes Data



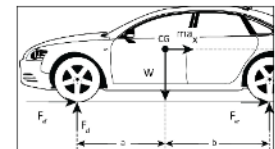
Welded Beam Design Optimization

Specialized Topics

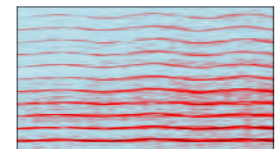
- Signal Processing
- Engineering Optimization
- Transfer Functions - Visualization and Manipulation
- Code Generation
- Control System Design
- Multidomain Systems Modeling

Math and Programming

- Procedures and Programs
- Units & Tolerances
- Matrix Math and Linear Algebra
- Differential Equations
- Solve Equations Symbolically & Numerically
- Symbolic Math



Vehicle Ride and Handling



Spectrograms