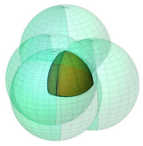
What's New in Maple 2016

Maple™

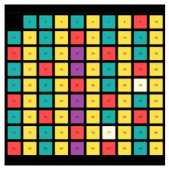
Math Apps, Applications, and Examples

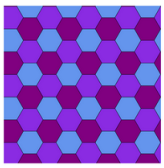
New MathApps

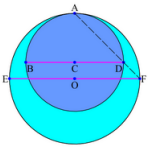
Doomsday Algorithm


Reuleaux Tetrahedron

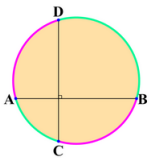
RSA Encryption


Sieve of Eratosthenes

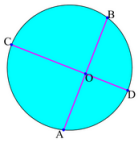

Tessellations



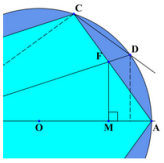
The Book of Lemmas Proposition 1



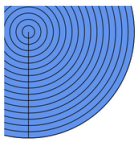
The Book of Lemmas Proposition 9

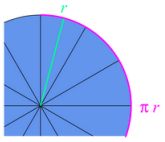


The Book of Lemmas Proposition 11



The Book of Lemmas Proposition 15

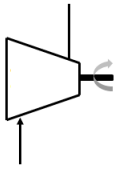

Visualizing the Area of a Circle Using Rectangles

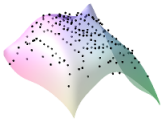


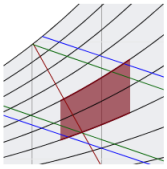
Visualizing the Area of a Circle Using Sectors

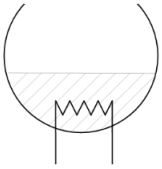
See more Math Apps...

New Applications

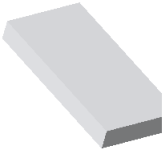

Analysis of a Vapor-Compression Refrigeration Cycle

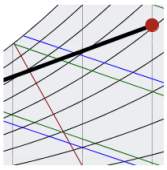

Bivariate Polynomial Regression

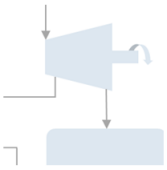

Conditioning Air into the Human Comfort Zone

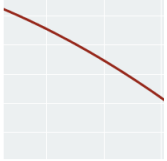

Energy Needed to Vaporize Ethanol

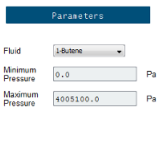
Flow Through an Expansion Valve


Heat Transfer Coefficient of Air Flowing Across a Flat Plate


Mixing Humid Air


Optimizing the Efficiency of a Regenerative Rankine Cycle


Particle Falling Through Air



Saturation Temperature of Fluids

New Examples

- DataFrame/Guide: A guide to working with data frames.
- examples/DataFrame/Statistics: Examples of using commands from Statistics on data frames.
- examples/DataFrame/Subsets: Examples of finding subsets for data frames.
- examples/EmbeddedComponents/ExploreApp: Building an interactive application using Explore.
- examples/EmbeddedComponents/NumberLine: Building an interactive number line.
- examples/GaussInt: Examples on working with Gaussian Integers.
- examples/IrisData: Examples of using summary statistics and principal component analysis on the Iris dataset.
- examples/moreStudentMultivariateCalculus: Additional examples using the Student Multivariate Calculus package.
- examples/NumberTheory/ArithmeticFunctions: Selected examples on arithmetic functions.
- examples/NumberTheory/Divisibility: Selected examples on divisibility.
- examples/NumberTheory/MersennePrimes: Overview of commands relating to Mersenne primes.
- examples/NumberTheory/PrimeNumbers: Overview of working with prime numbers.
- examples/NumericDDEs: Examples of numeric differential equations with delay.
- examples/ProgrammaticContentGeneration: Examples for programmatically generating worksheet content.
- examples/RootOf: Using the RootOf function.
- examples/StudentLinearAlgebra: Examples illustrating the Student Linear Algebra package.

New How Do I? pages and More

- How Do I Plot a Straight Line?
- How Do I Plot Multiple Functions?
- How Do I Select a Math Style?
- How Do I Solve an Ordinary Differential Equation?
- How Do I Work with Random Generators?
- Maple Quick Start