

PHILIPPINE CONSORTIUM INC.

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ABOUT US

The Philippine Consortium is a premiere multi-disciplinary technology company that provides consultancy services, training, and research software needs of academic institution, government agencies, non-governmental orgs., international non-governmental organizations, international orgs, and business orgs. We are the sole distributor of the following academic and business software NVivo 12, Nvivo 14, Piktochart, Sonia, Citavi, Lumivero software and Wolfram Mathematica and many more).

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Wolfram
Mathematica¹⁴
www.p30download.com

FEATURES IN 14.0

Core Language

- Comap, ComapApply — apply lists of functions to an expression
- ArgumentsOptions (updated), CheckArguments (updated) — support for operator forms
- CountDistinct (updated) — now allows a comparison function to be given
- TraceOriginal (updated) — finer-grained control over evaluation chains to include

Numbers

- DigitSum — sum of decimal digits in an integer
- RomanNumeral (updated), FromRomanNumeral (updated) — faster conversions with Roman numerals

Units & Quantities »

- Improved performance of the Wolfram Language quantity framework.
- UnitConvert (updated) — faster unit conversions
- QuantityMagnitude (updated) ▪ CurrencyConvert (updated) ▪ CommonUnits (updated)

Unit Testing

- IntermediateTest — create intermediate tests inside TestCreate

Code Compilation & Data Structures

- Data Structures
- "RedBlackTree" — balanced binary search tree for fast storage and retrieval
- Enhancements in Compiler Operations
- Enhanced compilation of DownValues that avoids compiling values that do not match a type.
- Functions Enhanced in Compiled Code
- MapThread ▪ StringTake ▪ DownValuesFunction

MATHEMATICAL COMPUTATION

Vector Calculus

- NLineIntegrate — numerical vector line integrals
- NSurfaceIntegrate — numerical vector surface integrals

Complex Analysis

- NContourIntegrate — numerical complex contour integration

Integral Transforms

- UnilateralConvolve — unilateral (AKA causal, one-sided) convolution

Difference and Differential Equations

- TruncateSum — make it easy to work with infinite sum representations produced by DSolve and other functions
- Support StateSpaceModel and TransferFunctionModel in place of equations.
- DSolveValue (updated) ▪ RSolveValue (updated) ▪ RecurrenceTable (updated)

WHAT'S NEW IN MATHEMATICA 13

Building on more than a third of a century of steady innovation, Version 13 pushes the boundaries of modern computation like never before.



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