

Productivity

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	8.1	8	7.5
Batch Processing with Summary Report Using Analysis Templates™	✓		
Batch Peak Analysis of Multiple Datasets Using Theme	✓		
Batch Peak Fitting of Multiple Datasets Using Peak Analyzer Theme	Pro		
Favorites Folder in Project Explorer	✓		
Slide Show of Graphs at any Folder Level	✓		
Share Files Using User Files Folder Across Multiple Computers	✓		
Improved File Transfer Dialog for Upgrade Users	✓		
Theme Support for Worksheets and Matrix Sheets	✓	✓	
Theme Support to Save Dialog Settings	✓	✓	
Recalculation of Results on Data or Parameter Change	✓	✓	
Analysis Templates™ with Custom Report Sheets for Repeat Analysis	✓	✓	
Consolidated Reports with Collapsible Tables	✓	✓	
Re-Import Data Files Using Saved Settings, to Update Worksheet or Matrix Data	✓	✓	
Share Files Using Group Folder	✓	✓	
Autosave Projects to Temporary File	✓	✓	
Theme Support for Graphs	✓	✓	✓
Import Wizard Filter for Repeat Import of Similar Data	✓	✓	✓
Batch Print Selected Worksheets, Graphs, and Layout Windows	✓	✓	✓

User Interface

	8.1	8	7.5
Password Protection at Project Level	✓		
Audit Log of Project Saves, with Optional Password Protection	✓		
Menu Customization - Add New Menu Items or Remove Existing Ones	✓		
Shortcuts for Windows in Project Explorer	✓		
New Slide Index Column in Project Explorer for Graphs and Layout Pages	✓		
Toolbar for Data Markers and Locks	✓		

User Interface

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GUI for Defining Variables in Set Values Dialog	✓		
Full-Screen View for Graphs, with Aspect Ratio Maintained	✓		
More Options in Worksheet Properties Dialog for Formatting Worksheet	✓		
Global Setting for Significant Digits	✓		
Workbooks and Matrices with Multiple Sheets and Rich Text Cell Formatting	✓	✓	
Long Name Support for Windows and Worksheet Columns	✓	✓	
Sparklines on Column Headers Display Small Graph of Data for Quick Inspection	✓	✓	
Embed Graphs, Images, and Notes in Worksheet Cells	✓	✓	
Insert Links in Worksheet Cells to Other Cells, Including Report Sheets	✓	✓	
Sampling Interval Support for X-Columns	✓	✓	
Workbook Organizer Panel for Workbook/Column Properties and Metadata	✓	✓	
Drag Range Selection to Automatically Extend or Duplicate Data	✓	✓	
Drag and Drop Sheets to Remove from or Add to Workbooks	✓	✓	
Click-and-Drag to Adjust Row Height and Column Width in Worksheets and Matrices	✓	✓	
Auto-Size Option for Worksheet and Matrix Columns	✓	✓	
Multiple Matrix Objects in a Single Matrix Sheet	✓	✓	
Cursor Tool and Data Information Box with Support for Multiple Cursors	✓	✓	
Tool to Annotate a Specific Data Point	✓	✓	
Regional Data Selector/Mask Tool	✓	✓	
Categorized Flyout Toolbar Buttons	✓	✓	
Lock Icon on Output Columns to Indicate Recalculate Mode: Manual or Auto	✓	✓	
Preview of Results in Analysis Dialogs	✓	✓	
Quick Help Window with Keyword Search	✓	✓	
Option to Switch Language of Interface	✓	✓	
New Pack/Unpack Tool with New OPX File Format	✓	✓	
Control+Select Non-adjacent Worksheet Columns	✓	✓	✓
In-Place Text Editing	✓	✓	✓
Click-and-Drag to Resize and Rotate Text and Drawing Objects	✓	✓	✓



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Drawing Tools, Including Poly Line, Freehand, Polygon, Free-Form	✓	✓	✓
Plot Setup Dialog Simplifies Plotting Data from Multiple Worksheets	✓	✓	✓
Graph Template Library	✓	✓	✓
Formatting Support for Multiple Selected Objects	✓	✓	✓
Object Formatting (Style) Toolbar (Color, Hatch Pattern, Border Type, Border Width)	✓	✓	✓
Text Format Toolbar (Font, Size, Bold, Italics, Underline, Sub/Superscript, Greek)	✓	✓	✓
Organize Large Projects with Project Explorer	✓	✓	✓

Import and Export

	8.1	8	7.5
Export All Graphs in Project Explorer to PowerPoint [®]	✓		
Export Worksheet as a Multi-Page PDF Document	✓		
Export ASCII Data to Existing File with Append or Replace Options	✓		
Import Data in Unicode ASCII, CDF, and HDF5 Formats	✓		
Import Binary 2D Array	✓	✓	
Graphically Construct SQL Queries, Save Named SQL Query	✓	✓	
New Import Options: pCLAMP 2.0, NI DIAdem/TDM, ETAS MDF, JCAMP-DX, NetCDF	✓	✓	
Import Wizard: Multiple Delimiter Support	✓	✓	
Import Wizard: Option for Removing Quotes within Imported CSV Data Files	✓	✓	
Import Wizard: Improved and Expanded Variable Extraction	✓	✓	
ASCII and Binary Import Wizard Provides Visual Feedback During Import	✓	✓	✓
Send Data to Origin Using LabVIEW [™] VIs for Origin	✓	✓	✓
Transfer Data From MATLAB [®] and Import Workspace Data	✓	✓	✓
Drag-and-Drop Data Files from Windows Explorer into Origin	✓	✓	✓
Import Data From MINITAB [®] , SigmaPlot [®] , and Thermo Galactic [®] SPC Files	✓	✓	✓
Import and Export Image (Raster) Files	✓	✓	✓
Graph Export Formats: AI, CGM, EPS, TIFF, PDF, JPEG, EMF, PSD, & More	✓	✓	✓

Graph Types

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Ternary Contour Plot	✓		
Probability Plot Including Weibull Distribution	✓		
Q-Q Plot	✓		
Multiple Y Axes Plot	✓		
Scatter Central Plot	✓		
2D Black & White Pie Chart	✓		
Windrose Plot: Generated from Raw or Binned Data	✓		
Contour Plot from XYZ Data Using Triangulation	✓	✓	
Polar Contour Plot	✓	✓	
Stacked Lines Plot Using Y-Offset	✓	✓	
Scatter Matrix Plot	✓	✓	
Inset Graph and Offset Axes Templates	✓	✓	✓
Image Graphs with Profile Lines, and Image Histograms	✓	✓	✓
Smith [®] Chart	✓	✓	✓
3D Pie Chart	✓	✓	✓
Column/Scatter Graphs	✓	✓	✓
XXYY Vector (Tail-to-Head Data)	✓	✓	✓
Basic 2D, 3D, Contour, and Statistics Graphs	✓	✓	✓

Graph Customization

	8.1	8	7.5
Masking Support in Line Plots	✓		
Update or Reconstruct Legend at Graph Layer or Page Level	✓		
Double-Log Reciprocal Axis Scale, $\ln(-\ln(1-x))$, for Weibull Plot	✓		
Missing Value and Grid-Line Skip Support for 3D Surface Plots	✓		
Color Mapping of 3D Bar Plots Using Z Values	✓		
Major and Minor Level Support for 3D Surface and Contour Plots	✓		
Improved Support for Color Palettes for Contour Plots	✓		
Select and Customize Single Data Points in a Plot	✓		



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Graph Customization

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Add or Modify Layer Title Text Object Attached to Layer	✓		
Extract Data Points for Any or All Contour Lines	✓		
Align and Size Multiple Layers and Text Using Object Edit Toolbar	✓		
Use Column Long Name, Units, and Comments for Axis Titles and Legend	✓	✓	
Add Tables to Graphs, Parameter Values May Be Linked to Worksheets	✓	✓	
Copy-and-Paste Table from Worksheet into Graphs as a Table	✓	✓	
Worksheet Parameter Row for Annotating Each Curve in 2D Waterfall Graphs	✓	✓	
Custom Boundary for Contour Graphs Using Datasets	✓	✓	
Plot Same Column Multiple Times, Such as Different Ranges, in a Single Graph Layer	✓	✓	
Speed Mode Dialog for Controlling Speed Mode Settings of Graphs in the Project	✓	✓	
Automatically Create a Single Legend for All Layers in Graph	✓	✓	✓
Copy and Paste the Format of One Graph Element onto Another	✓	✓	✓
Customize the Format Increment Lists and Color Palettes for Grouped Data	✓	✓	✓
Edit Many Data Plot Properties Using the Style Toolbar	✓	✓	✓
Legend Displays Individually Edited Data Points	✓	✓	✓
Apply Color Palette to Image View of Matrix Data	✓	✓	✓
Manually Specify Tick Marks and Tick Labels for an Entire Axis	✓	✓	✓
Color Scale Object Supports Label Increments	✓	✓	✓
Offset Plotting of Duplicate Points	✓	✓	✓
Print Graph to Multiple Pages	✓	✓	✓
Expanded Set of Built-In Symbols (Approximately 100)	✓	✓	✓
Individual Contour Line and Level Control	✓	✓	✓
Use Color Variations or Symbol Size to Represent Another Dimension	✓	✓	✓
User-Defined Symbols Using Bitmaps	✓	✓	✓

Data Handling

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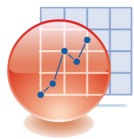
	8.1	8	7.5
New Find and Replace Tool	✓		
Unstack Worksheet Columns Using Grouping Variables	✓		
Recalculate Support for Worksheet Data Extraction	✓		
Improvements to Worksheet to Matrix Gridding	✓		
Remove Duplicate Data in a Column	✓		
Trim Missing Values in a Worksheet	✓		
Merge XY Data According to X Values	✓		
Data Fill: Drag Fill Handle to Auto-Fill Data, Duplicate or Extend Values	✓	✓	
Script-Enabled Set Column Values Dialog with Range Variable Support	✓	✓	
Custom Date and Time Formatting Saved with Workbook	✓	✓	
Split Color Image Into RGB Channels	Pro	Pro	
Intensity/Color Adjustment for Images	Pro	Pro	
Spatial Image Filter (Blur, Noise, Sharpen, Edge Detect)	Pro	Pro	
Image Rotate, Flip, Shear, Auto Trim	✓	✓	
Categorical Data Support (Nominal and Ordinal)	✓	✓	✓
Image View of Data in Matrix Window	✓	✓	✓
Random and Regular XYZ to Matrix Conversion	✓	✓	✓
2D Binning of Worksheet Data	✓	✓	✓
Transpose Worksheet, or upon Clipboard Paste	✓	✓	✓

Data Analysis

	8.1	8	7.5
Linear Fit with Support for X-Error	Pro		
Pivot Table Feature	✓		
Reduce Data: Remove Every Nth Point or Remove Points at a Specified X Increment	Pro		
Remove Duplicate Data Points Option	✓		
Normalization Across Multiple Columns or Curves	✓		
Panel Tool for Rise- or Fall-Time Analysis	Pro		
Compute Surface Area of Matrix Data	Pro		
Create Upper and Lower Envelopes for Curves	Pro		



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Data Analysis

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New Functions for Set Column Values Including Date/Time and String Functions	✓		
Find X Coordinate, Given Y, for a Curve	✓		
Support for Periodic Data in 2D Binning	✓		
Rotated 2D Gaussian Function for 2D Surface Fitting	Pro		
Panel Tools for Integration and FFT Analysis of Dataplot in Graph	✓	✓	
Partial Leverage Plot in Multiple Regression	✓	✓	
Better Support and More Functions for Manipulating Complex Numbers	✓	✓	
Improved Global Fitting in Nonlinear Fitting Tool	✓	✓	
Standardized Analysis Tools with Tree Structure for Settings	✓	✓	
Fitting Function Organizer	✓	✓	
Analysis Markers to Indicate Range Used for Analysis	✓	✓	
Improved Residuals Analysis with Additional Residuals Plots	✓	✓	
Command-Level Access to Data Analysis Routines	✓	✓	
Basic Image Processing	✓	✓	
Improved Find-X/Find-Y Tool for Linear, Polynomial, and Nonlinear Fitting	✓	✓	
New Find-Z Tool for Nonlinear Surface/Matrix Fitting	Pro	Pro	
Surface Fitting and 3D Interpolation	Pro	Pro	
Support for Smoothing in Curve Differentiation Tool	✓	✓	
Enhanced Image Analysis (Image Math, Mode Conversion, Color to RGB)	Pro	Pro	
Expanded Statistics (Parametric/Nonparametric Hypothesis Tests, Survival Analysis)	Pro	Pro	
Repeated Measures One-Way and Two-Way ANOVA	Pro	Pro	
Advanced Signal Processing: 2D FFT, Wavelet, STFT	✓	✓	
Automatically Update Worksheet Column Calculations	✓	✓	
Automatic NLSF Parameter Initialization	✓	✓	✓
Automatic Fitting Comparison Using F-test	Pro	Pro	✓
Define Fitting Functions Using Origin C	✓	✓	✓

Data Analysis

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Normality Test (Shapiro-Wilk)	✓	✓	✓
One-Way and Two-Way ANOVA; One Sample and Two Sample t-Test	✓	✓	✓
Survival Analysis (Kaplan-Meier, Cox Proportional Hazards)	Pro	Pro	✓
Low-Pass, High-Pass, Band-Pass, Band-Block, and Noise Threshold Filters	✓	✓	✓
Peak Analyzer: Create Baseline, Find or Integrate Multiple Peaks	✓	✓	✓
Peak Analyzer: Find and Fit Multiple Peaks	Pro	Pro	Pro

Application Connectivity

	8.1	8	7.5
Automation Server Support	✓	✓	
Mathematica Link	✓	✓	
Matlab Console with GUI Support to Transfer Data between Origin and Matlab	✓	✓	
LabVIEW Connectivity: Improved Sub-VIs and Examples	✓	✓	

Programming

	8.1	8	7.5
LabTalk: Support for User-Defined Functions	✓		
Labtalk: Support for Event-Driven Script Execution	✓		
LabTalk: More Data Types Supported, Including New Range Data Type	✓	✓	
Easy Creation of Custom Tools with Automatic GUI, Using X-Functions	✓	✓	
Execute X-Functions from LabTalk Scripts and Menus	✓	✓	
Command Window with Auto-Complete Support for Scripting	✓	✓	
History Log Displays Previous Script Commands Entered	✓	✓	
Origin C: Create Custom Dialogs for Your Routines	✓	✓	
Origin C: User-Defined Classes	✓	✓	
Origin C: Access to *Full NAG [®] Mark VII Library	✓	✓	
Origin Project (*.OPJ) Files Accept Any Type of File Attachment	✓	✓	
C Compiler with ANSI C Language and Origin Object Support	✓	✓	✓
Code Builder Interface for Color-Coded Editing and Debugging	✓	✓	✓
File Packing/Unpacking Utility with Drag-and-Drop Installation	✓	✓	✓
Run Tools and Wizards Created with MS VC++	✓**	✓**	Pro



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