Top Reasons to Upgrade from Version X

(Updated Nov of 2018, based on Origin version 2019)

From 7.x

Quick Statement

- 7.x is MANY versions behind! Recent version has many new graphing and analysis features that would benefit you.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- Multi-sheet workbooks with Excel-like features such as Formula Row and Cell-level Formula
- Conditional Formatting of Worksheets
- 64-bit support: Work with much larger datasets
- Many tools for reorganizing, reducing and filtering worksheet data
- Better support for hi-res/retina display
- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Batch import, plotting and analysis, and batch report generation - WITHOUT programming
- New Project File format (OPJU) that is more compact and enable preview in Windows Explorer
- Digitizer tool which supports auto tracing and digitizing in polar and ternary coordinate systems

Graphing and Publishing

- More graph types:2D and 3D parametric plots, Heat Map, Kernel Density Plot, Piper Diagram, 3D Ternary Surface,Spider/Radar chart and 100% Stacked Column/Bar Plots etc...
- Graph from categorical data (Grouped box chart, grouped column, trellis plot)
- Fast 3D Graphs using OpenGL, with better coloring and lighting options
- New Plot menu with large icons to easily identify built-in graph templates
- Object Manager to makes it easy to manage plots on a graph
- Multiple Axis Breaks, tick labels displayed as table and many other axis dialog improvements
- Powerful color chooser for publication quality colors
- Flexible legend customization
- Bubble scale, Full controlled color scale
- Anti-alisasing
- Easy zoom and pan in graph layer for large datasets

- Batch Plotting: Create one graph and quickly duplicate for all other data sheets
- Button to send ALL/selected graphs to PowerPoint
- Create Animation/Videos

Data Analysis and Statistics

- Recalculate results on data or parameter change
- Gadgets for performing quick analysis on graphs
- Fit and rank many functions and pick best fitting function (Pro)
- Fit with X AND Y Error Bars (Pro)
- Implicit Function Fitting (Pro)
- Surface Fitting (Pro)
- Peak Analyzer included (Pro)
- Batch Analysis of multiple files, with Word based reports
- MANY advanced Stats tools (Pro)
- Pivot Table with Multiple Source Rows/Column
- IIR Filter Design (Pro)

Programming

- Embedded Python
- R Console and Rserve support
- HTML dialogs with JavaScript

Other

- Fully compatible with Win10
- License Deactivation from product (to move license to another PC)

From 8.0/8.1

Quick Statement

- 8.0/8.1 is MANY versions behind! Recent version has many new graphing and analysis features that would benefit you.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- 64-bit support: Work with much larger datasets
- Conditional Formatting of Worksheets
- Many tools for reorganizing, reducing and filtering worksheet data
- Better support for hi-res/retina display

- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Batch import, plotting and analysis, and batch report generation - WITHOUT programming
- New Project File format (OPJU) that is more compact and enable preview in Windows Explorer
- Enhanced digitizer tool which supports auto tracing and digitizing in polar and ternary coordinate systems

Graphing and Publishing

- Fast 3D Graphs using OpenGL, with better coloring and lighting options
- More graph types:2D and 3D parametric plots, Heat Map, Kernel Density Plot, Piper Diagram, 3D Ternary Surface,Spider/Radar chart and 100% Stacked Column/Bar Plots etc..
- Data Highlighting, Plot Highlighting, Data Point Tooltip.
- Graph from categorical data (Grouped box chart, grouped column, trellis plot)
- Improved polar plot which enable all kinds polar graph customization
- New Plot menu with large icons to easily identify built-in graph templates
- Multiple Axis Breaks, tick labels displayed as table and many other axis dialog improvements
- Powerful color chooser for publication quality colors
- Flexible legend customization
- Anti-alisasing
- Object Manager to makes it easy to manage plots on a graph
- Bubble scale, Full controlled color scale
- Easy zoom and pan in graph layer for large datasets
- Batch Plotting: Create one graph and quickly duplicate for all other data sheets
- Button to send ALL/selected graphs to PowerPoint
- Create Animation/Videos

Data Analysis and Statistics

- Copy-paste operations for quick repeat analysis
- Repeat analysis on all plots in graph or all columns in worksheet
- Clone workbook for repeat analysis
- Gadgets for performing quick analysis on graphs
- Fit and rank many functions and pick best fitting function (Pro)
- Fit with X AND Y Error Bars (Pro)
- Implicit Function Fitting (Pro)
- Surface Fitting (Pro)
- Batch Analysis of multiple files, with Word based reports
- Stats: Multivariate Analysis, Distribution Fit, 3-Way ANOVA, many other tests (Pro)
- Data Reorganization: Append Worksheets, Remove/Combine Duplicate Rows and Excel-Like Data Filtering
- Pivot Table with Multiple Source Rows/Column
- Lowess & Loess Smoothing

- IIR Filter Design (Pro)

Programming

- Embedded Python
- R Console and Rserve support
- HTML dialogs with JavaScript

Other

- Fully compatible with Win10
- License Deactivation from product (to move license to another PC)

From 8.5/8.51

Quick Statement

- 8.5/8.51 is SIX/FIVE versions behind. Recent version has many new graphing and analysis features that would benefit you.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- 64-bit support: Work with much larger datasets
- Conditional Formatting of Worksheets
- Many tools for reducing and filtering worksheet data
- Better support for hi-res/retina display
- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Batch import, plotting and analysis, and batch report generation - WITHOUT programming
- New Project File format (OPJU) that is more compact and enable preview in Windows Explorer
- Enhanced digitizer tool which supports auto tracing and digitizing in polar and ternary coordinate systems

Graphing and Publishing

- Fast 3D Graphs using OpenGL, with better coloring and lighting options
- More graph types:2D and 3D parametric plots, Heat Map, Kernel Density Plot, Piper Diagram, 3D Ternary Surface,Spider/Radar chart and 100% Stacked Column/Bar Plots etc..
- Data Highlighting, Plot Highlighting, Data Point Tooltip.
- Graph from categorical data (Grouped box chart, grouped column, trellis plot)

- Improved polar plot which enable all kinds polar graph customization
- New Plot menu with large icons to easily identify built-in graph templates
- Multiple Axis Breaks, tick labels displayed as table and many other axis dialog improvements
- Powerful color chooser for publication quality colors
- Flexible legend customization
- Bubble scale, Full controlled color scale
- Easy zoom and pan in graph layer for large datasets
- Anti-alisasing
- Object Manager to makes it easy to manage plots on a graph
- Batch Plotting: Create one graph and quickly duplicate for all other data sheets
- Copy page as graph and paste to WORD
- Button to send ALL/selected graphs to PowerPoint
- Create Animation/Videos

Data Analysis and Statistics

- Copy-paste operations for quick repeat analysis
- Repeat analysis on all plots in graph or all columns in worksheet
- Clone workbook for repeat analysis
- Many new Gadgets: 2D Integration Gadget (Pro), Vertical Cursor, Curve Intersection Gadget ect
- Fit and rank many functions and pick best fitting function (Pro)
- Fit with X AND Y Error Bars (Pro)
- Implicit Function Fitting (Pro)
- Batch Analysis: Word based reports
- Stats: Multivariate Analysis, Distribution Fit, 3-Way ANOVA, many other tests (Pro)
- Data Reorganization: Append Worksheets, Remove/Combine Duplicate Rows and Excel-Like Data Filtering
- Pivot Table with Multiple Source Rows/Column
- Lowess & Loess Smoothing
- IIR Filter Design (Pro)

Programming

- Embedded Python
- R Console and Rserve support

Other

- Fully compatible with Win10
- License Deactivation from product (to move license to another PC) (851 had this)

From 8.6

Quick Statement

- 8.6 is FOUR versions behind. Recent version has many new graphing and analysis features that would benefit you.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- Conditional Formatting of Worksheets
- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Robust report generation from instrument to word document without programming
- Better support for hi-res/retina display
- New Project File format (OPJU) that is more compact and enable preview in Windows Explorer
- Enhanced digitizer tool which supports auto tracing and digitizing in polar and ternary coordinate systems

Graphing and Publishing

- Fast 3D Graphs using OpenGL, with better coloring and lighting options
- More graph types:2D and 3D parametric plots, Heat Map, Kernel Density Plot, Piper Diagram, 3D Ternary Surface and 100% Stacked Column/Bar Plots etc...
- Data Highlighting, Plot Highlighting, Data Point Tooltip
- Graph from categorical data (Grouped box chart, grouped column, trellis plot)
- Improved polar plot which enable all kinds polar graph customization
- New Plot menu with large icons to easily identify built-in graph templates
- Multiple Axis Breaks, tick labels displayed as table and many other axis dialog improvements
- Flexible legend customization
- Bubble scale, Full controlled color scale
- Powerful color chooser for publication quality colors
- Enlarged graph with multiple overlapped layers using scale-in tool
- Anti-alisasing
- Object Manager to makes it easy to manage plots on a graph
- Batch Plotting: Create one graph and quickly duplicate for all other data sheets
- Create Animation/Videos
- Copy page as graph to paste to WORD

Data Analysis and Statistics

- Copy-paste operations for quick repeat analysis
- Clone workbook for repeat analysis
- Batch Analysis: Word based reports
- 2D Integration Gadget (Pro)
- Fit and rank many functions and pick best fitting function (Pro)
- Fit with X AND Y Error Bars (Pro)

- Implicit Function Fitting (Pro)
- Surface Fitting (Pro)
- Stats: Distribution Fit, 3-Way ANOVA, many other tests (Pro)
- Data Reorganization: Append Worksheets, Remove/Combine Duplicate Rows and Excel-Like Data Filtering
- Pivot Table with Multiple Source Rows/Column
- Lowess & Loess Smoothing
- IIR Filter Design (Pro)

Programming

- Embedded Python
- R Console and Rserve support
- HTML dialogs with JavaScript

Other

- Fully compatible with Win10

From 9.0

Quick Statement

- 9.0 is THREE versions behind. Recent version has many new graphing and analysis features that would benefit you.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- Conditional Formatting of Worksheets
- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Robust report generation from instrument to word document without programming
- Better support for hi-res/retina display
- New Project File format (OPJU) that is more compact and enable preview in Windows Explorer
- Enhanced digitizer tool which supports auto tracing and digitizing in polar and ternary coordinate systems

Graphing and Publishing

- More graph types: Heat Map, Kernel Density Plot, Piper Diagram, 3D Ternary Surface and 100% Stacked Column/Bar Plots ect...
- Graph from categorical data (Grouped box chart, grouped column, trellis plot)
- Data Highlighting, Plot Highlighting, Data Point Tooltip
- Improved polar plot which enable all kinds polar graph customization

- New Plot menu with large icons to easily identify built-in graph templates
- Batch Plotting: Create one graph and quickly duplicate for all other data sheets
- Multiple Axis Breaks, tick labels displayed as table and many other axis dialog improvements
- Powerful color chooser for publication quality colors
- Enlarged graph with multiple overlapped layers using scale-in tool
- Flexible legend customization
- Bubble scale, Full controlled color scale
- Anti-alisasing
- Object Manager to makes it easy to manage plots on a graph
- Copy page as graph to paste to WORD

Data Analysis and Statistics

- Copy-paste operations for quick repeat analysis
- Clone workbook for repeat analysis
- Batch Analysis: Word based reports
- New Gadgets: 2D Integration Gadget (Pro)
- Fit and rank many functions and pick best fitting function (Pro)
- Stats: Distribution Fit, 3-Way ANOVA,Partial Least Square Regression, many other tests (Pro)
- Data Reorganization: Append Worksheets, Remove/Combine Duplicate Rows and Excel-Like Data Filtering
- Pivot Table with Multiple Source Rows/Column
- Lowess & Loess Smoothing

Programming

- Embedded Python
- R Console and Rserve support
- HTML dialogs with JavaScript

Other

- Fully compatible with Win10

From 9.1

Quick Statement

- 9.1 is TWO versions behind. Recent version has many new graphing and analysis features that would benefit you.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- Conditional Formatting of Worksheets
- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Robust report generation from instrument to word document without programming
- Better support for hi-res/retina display
- New Project File format (OPJU) that is more compact and enable preview in Windows Explorer
- Enhanced digitizer tool which supports auto tracing and digitizing in polar and ternary coordinate systems

Graphing and Publishing

- More graph types: Heat Map, Kernel Density Plot, Piper Diagram, Trellis Plot, Bridge Chart ect...
- New Plot menu with large icons to easily identify built-in graph templates
- Data Highlighting, Plot Highlighting, Data Point Tooltip
- Smart Plotting: Graph templates can remember column names to quickly create complex graphs
- Powerful color chooser for publication quality colors
- Improvements to Send Graphs to PPT
- Enlarged graph with multiple overlapped layers using scale-in tool
- Flexible legend customization
- Add arrows to ends of axes
- Copy page as graph to paste to WORD
- Object Manager to makes it easy to manage plots on a graph
- Bubble scale, Full controlled color scale

Data Analysis and Statistics

- Batch Analysis: Word based reports
- Stats: Distribution Fit, 3-Way ANOVA, many other tests (Pro)
- Clone workbook for repeat analysis
- Data Reorganization: Append Worksheets, Remove/Combine Duplicate Rows
- Pivot Table with Multiple Source Rows/Columns

Programming

- Embedded Python
- R Console and Rserve support
- HTML dialogs with JavaScript

Other

- Fully compatible with Win10

From 2015

Quick Statement

- Recent version has many new graphing and analysis features that would benefit you.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- Conditional Formatting of Worksheets
- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Robust report generation from instrument to word document without programming
- Better support for hi-res/retina display
- New Project File format (OPJU) that is more compact and enable preview in Windows Explorer

Graphing and Publishing

- More graph types: Trellis Plots, Hatch Patterns, 3D Bar Shapes, Bridge Chart ect.
- New Plot menu with large icons to easily identify built-in graph templates
- Data Highlighting, Plot Highlighting, Data Point Tooltip
- Smart Plotting: Graph templates can remember column names to quickly create complex graphs
- Powerful color chooser for publication quality colors
- Improvements to Send Graphs to PPT
- Fit Layers to Page to resize graph for publishing to remove extra margin for fixed size page
- Custom formats for displaying numeric values in fractions, percents, etc.
- Enlarged graph with multiple overlapped layers using scale-in tool
- Flexible legend customization
- Add arrows to ends of axes
- Copy page as graph to paste to WORD
- Object Manager to makes it easy to manage plots on a graph

Data Analysis and Statistics

- Simplified column/cell notation for column formulas
- Batch Analysis: Word based reports
- Stats: Distribution Fit, 3-Way ANOVA, many other tests (Pro)
- Clone workbook for repeat analysis

Programming

- R Console and Rserve support
- HTML dialogs with JavaScript

Other

- Fully compatible with Win10

From 2016

Quick Statement

- Recent version has over 100 new features, free Apps and improvements.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- Conditional Formatting of Worksheets
- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Origin Central dialog for easy access to samples, templates, projects, and Apps
- New Project File format (OPJU) that is more compact and enable preview in Windows Explorer
- Excel-like Cell-level formula
- App Center for easy APP access and maintenance without opening webpage

Graphing and Publishing

- New graph types: Trellis Plots, Hatch Patterns, 3D Bar Shapes, Bridge Chart ect
- New Plot menu with large icons to easily identify built-in graph templates
- Data Highlighting, Plot Highlighting, Data Point Tooltip
- Enhanced Annotation tool, and LaTeX app for adding equations
- Fit Layers to Page to resize graph for publishing to remove extra margin for fixed size page
- Custom formats for displaying numeric values in fractions, percents, etc.
- Enlarged graph with multiple overlapped layers using scale-in tool
- Flexible legend customization
- Add arrows to ends of axes

Data Analysis and Statistics

- Simplified column/cell notation for column formulas
- Several new Stats Apps: PCA for Spectroscopy (Pro), General Linear Regression (Pro), Logistic Regression (Pro), Factor Analysis (Pro)...
- Several Analysis Apps: Distributed Batch Processing(Pro), 2D/3D Smoother (Pro), Simple Fit ...

Programming

- HTML dialogs with JavaScript

- Updated NAG Mark 25 numeric library

Other

- Fully compatible with Win10

From 2017

Quick Statement

- Recent version has over 100 new features, free Apps and improvements.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- Conditional Formatting of Worksheets
- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Excel-like Cell-level formula
- Conditional Formatting of Worksheet cells
- New Project File format (OPJU) that is more compact and enable preview in Windows Explorer
- Automatic Transfer of User Files
- App Center for easy APP access and maintenance without opening webpage

Graphing and Publishing

- New graph types: Bridge Chart, 4D XYZ Surface with Custom Boundary etc
- New Plot menu with large icons to easily identify built-in graph templates
- Data Highlighting, Plot Highlighting, Data Point Tooltip
- Fit Layers to Page to resize graph for publishing to remove extra margin for fixed size page
- Custom formats for displaying numeric values in fractions, percents, etc.
- Enlarged graph with multiple overlapped layers using scale-in tool
- Create custom legend entries
- Add arrows to ends of axes

Data Analysis and Statistics

- Several Analysis Apps: Distributed Batch Processing(Pro), 2D/3D Smoother (Pro), Factor Analysis (Pro), Simple Fit

Programming

Other

- Fully compatible with Win10

From 2018

Quick Statement

- Recent version has over 75 new features, free Apps and improvements.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- Conditional Formatting of Worksheets
- FREE Apps - a few added each month - for new graphing and analysis capabilities
- Workbook and Matrix preview in Windows Explorer
- Improved Audit Log
- Distributed Batch Processing

Graphing and Publishing

- New Plot menu with large icons to easily identify built-in graph templates
- Fit Layers to Page to resize graph for publishing to remove extra margin for fixed size page
- Custom formats for displaying numeric values in fractions, percents, etc.
- Enlarged graph with multiple overlapped layers using scale-in tool
- Enhanced Master Page feature
- Customize properties across graph layers

Data Analysis and Statistics

- Several Analysis Apps: Distributed Batch Processing(Pro), 2D/3D Smoother (Pro), Factor Analysis (Pro)

Programming

Other

- Fully compatible with Win10

From 2018b

Quick Statement

- Recent version has over 75 new features, free Apps and improvements.

General

- Search inside Origin to find Menu items, Apps, Samples, Videos etc
- Graph Maker App for flexible graph creation
- Stats Advisor App to choose appropriate tool or App for analyzing your data
- 10 other Apps for various graphing and analysis tasks
- Conditional Formatting of Worksheets
- New Workbook dialog
- Column List view for Worksheets

Graphing and Publishing

- Data Highlighting
- Plot Highlighting
- Data Point Tooltip
- 9 New Graph types

Data Analysis and Statistics

- Several new Apps for Peak Analysis and other areas.

Programming

Other

- Fully compatible with Win10