

## OriginPro<sup>®</sup> 2023b

The Ultimate Software for Graphing & Analysis

| Curve Fitting                       |   | Origin       | OriginPro    | Mathemati                 |
|-------------------------------------|---|--------------|--------------|---------------------------|
|                                     | Linear Regression   | $\checkmark$ | $\checkmark$ |                           |
|                                     | Linear Fit with X Error   |              | $\checkmark$ |                           |
|                                     | Confidence Ellipse for Linear Fit                                   | $\checkmark$ | $\checkmark$ | SIMPLE                    |
| LINEAR AND<br>POLYNOMIAL<br>FITTING | Polynomial Regression   | $\checkmark$ | $\checkmark$ | TIONS                     |
|                                     | Multiple Linear Regression  | $\checkmark$ | $\checkmark$ |                           |
|                                     | Partial Leverage Plots in Multiple<br>Regression                    | ~            | ~            |                           |
|                                     | Residual Analysis   | $\checkmark$ | $\checkmark$ |                           |
|                                     | Fitting Multiple Datasets   | $\checkmark$ | ~            |                           |
|                                     | Built-in Fitting Function and User-<br>defined Fitting Function     | ~            | ~            | INTERPO                   |
|                                     | Parameter Initialization and<br>Derived Parameter Definition        | ~            | ~            | AND<br>EXTRAP(            |
|                                     | Bounds and Constraints  | $\checkmark$ | $\checkmark$ |                           |
|                                     | Weighted Fitting  | ✓            | $\checkmark$ |                           |
|                                     | Fitting with Y Error  | $\checkmark$ | ~            |                           |
|                                     | Fitting with X and Y Errors<br>(Orthogonal Regression)              |              | ~            |                           |
| NONLINEAR<br>FITTING                | Global Fit with<br>Parameter Sharing                                | ~            | ~            | DIFFER<br>TIATIC<br>INTEG |
|                                     | Global Fit with<br>Parameter Sharing<br>among Different Functions   |              | ~            | TION                      |
|                                     | Fitting Replica Data  | $\checkmark$ | $\checkmark$ |                           |
|                                     | Residual Analysis   | $\checkmark$ | $\checkmark$ | AREA                      |
|                                     | Fitting with Implicit Functions<br>(Orthogonal Distance Regression) |              | ~            | CALCUL                    |
|                                     | Fitting Comparison  |              | $\checkmark$ |                           |
|                                     | Fit and Rank Multiple Models  |              | $\checkmark$ | OTHERS                    |
|                                     | Surface Fitting   |              | ~            | OTTERO                    |

## Comparison of Origin and OriginPro

OriginPro provides all of the features of Origin, plus additional analysis tools and capabilities. The following tables provide comparisons between Origin and OriginPro in such areas as curve fitting, peak analysis, statistics, signal analysis, and image handling.\*

| Mathematics                             |   | Origin       | OriginPro    |
|---|---|--------------|--------------|
|   | Simple Mathematics Operations<br>on or<br>Between Datasets              | $\checkmark$ | $\checkmark$ |
| SIMPLE MATH-<br>EMATICS OPERA-<br>TIONS | Set Cell, Column or<br>Matrix Values by Using<br>Mathematics Operations | $\checkmark$ | $\checkmark$ |
|   | Normalization   | $\checkmark$ | $\checkmark$ |
|   | 1D Interpolation and<br>Extrapolation                                   | $\checkmark$ | $\checkmark$ |
|   | Interpolation and Extrapolation of Y From X                             | $\checkmark$ | ~            |
| INTERPOLATION<br>AND                    | Trace Interpolation on XY Data  | $\checkmark$ | $\checkmark$ |
| EXTRAPOLATION                           | Trace Interpolation on XYZ Data   | $\checkmark$ | $\checkmark$ |
|   | 2D Interpolation and<br>Extrapolation                                   | $\checkmark$ | ~            |
|   | 3D Interpolation  | $\checkmark$ | $\checkmark$ |
|   | Numerical Differentiation   | $\checkmark$ | ~            |
| DIFFEREN-<br>TIATION AND<br>INTEGRA-    | 1D Numerical Integration  | $\checkmark$ | $\checkmark$ |
| TION                                    | 2D Volume Integration   |              | $\checkmark$ |
|   | Polygon Area  | $\checkmark$ | $\checkmark$ |
| AREA<br>CALCULATION                     | XYZ Surface Area  |              | $\checkmark$ |
|   | Matrix Surface Area   |              | $\checkmark$ |
|   | Average Multiple Curves   | $\checkmark$ | $\checkmark$ |
| OTHERS                                  | Inverse of a Matrix   | $\checkmark$ | $\checkmark$ |
|   |   |              |              |

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| Statistics              |   | Origin       | OriginPro    | Statistics (con't)       |
|-------------------------|---|--------------|--------------|--------------------------|
|                         | Basic Descriptive Statistics  | $\checkmark$ | $\checkmark$ |                          |
|                         | 1D and 2D Frequency Counts  | $\checkmark$ | $\checkmark$ |                          |
|                         | Correlation Coefficient   |              | ~            | NONPARA-                 |
|                         | Partial Correlation Coefficient   |              | $\checkmark$ | METRIC TESTS             |
|                         | Cross Tabulation  |              | $\checkmark$ |                          |
| DESCRIPTIVE             | Discrete Frequency  | $\checkmark$ | $\checkmark$ |                          |
| STATISTICS              | Distribution Fit  |              | $\checkmark$ |                          |
|                         | Normality Test (Shaprio-Wilk,<br>Lilliefors, Kolmogorov-Smirnov,<br>Anderson-Darling, D'Agostino-K<br>Squared, Chen-Shapro) | $\checkmark$ | ~            | MULTIVARIATE<br>ANALYSIS |
|                         | Statistics Charts: Histogram,<br>Box Chart, Scatter Matrix, QC<br>Chart, Probability Plot,<br>Q-Q Plot, and Pareto Chart    | $\checkmark$ | ~            |                          |
|                         | Grubbs Test and Q-test<br>to Detect Outliers  | $\checkmark$ | $\checkmark$ | SURVIVAL<br>ANALYSIS     |
|                         | One Sample and Two-Sample<br>t-Test, Pair-Sample t-Test   | $\checkmark$ | $\checkmark$ |                          |
| HYPOTHESIS              | Two Sample and<br>Paired-Sample t-Test on Rows  |              | ~            | POWER AND<br>SAMPLE SIZE |
| TESTING                 | One Sample and Two Sample<br>Hypothesis Tests for Variance  |              | $\checkmark$ | ROC CURVE                |
|                         | One and Two-Proportion Test   |              | ~            | Peak Analysis            |
| ANALYSIS OF<br>VARIANCE | One Way ANOVA,<br>Two Way ANOVA   | ~            | ~            |                          |
|                         | Three Way ANOVA   |              | $\checkmark$ |                          |
|                         | ANOVA: Mean Comparison<br>(Tukey, Bonferroni , Scheffe,<br>Dunn-Sidak, Fisher LSD,<br>Holm-Bonferroni, Holm-Sidak)          | $\checkmark$ | ~            | PEAK ANALYS              |
|                         | One Way and Two Way Repeated<br>Measure ANOVA   |              | $\checkmark$ |                          |

| Statistics (con't)       |  | Origin       | OriginPro    |
|--------------------------|--|--------------|--------------|
|                          | Sign Test  |              | $\checkmark$ |
|                          | Wilcoxon Test for One<br>Sample and Paired Sample  |              | $\checkmark$ |
|                          | Two Sample<br>Kolmogorov-Smirnov Test  |              | $\checkmark$ |
| IONPARA-<br>AETRIC TESTS | Mann-Whitney Test  |              | $\checkmark$ |
|                          | Kruskal-Wallis ANOVA   |              | $\checkmark$ |
|                          | Mood's Median Test   |              | $\checkmark$ |
|                          | Friedman ANOVA   |              | $\checkmark$ |
|                          | Principal Component Analysis   |              | $\checkmark$ |
|                          | Cluster Analysis   |              | $\checkmark$ |
| AULTIVARIATE<br>ANALYSIS | Discrimininant Analysis  |              | $\checkmark$ |
|                          | Canonical Discriminant Analysis  |              | $\checkmark$ |
|                          | Partial Least Squares  |              | $\checkmark$ |
|                          | Kaplan-Meier Estimator   |              | $\checkmark$ |
| URVIVAL                  | Test Equality of Survival<br>Functions (Log-Rank,<br>Breslow and Tarone-Ware )                                     |              | $\checkmark$ |
|                          | Cox Proportional Hazard Model  |              | $\checkmark$ |
|                          | Weibull Fit  |              | $\checkmark$ |
| OWER AND<br>AMPLE SIZE   | One, Two and Paired-Sample<br>t-Test, One Way ANOVA, One<br>and Two-Proportion Test, One and<br>Two -Variance Test |              | ✓            |
| OC CURVE                 | ROC Curve  |              | $\checkmark$ |
| eak Analysis             |  | Origin       | OriginPro    |
|                          | Baseline Detection   | $\checkmark$ | $\checkmark$ |
|                          | Baseline Subtraction   | √            | ✓            |
| PEAK ANALYSIS            | Peak Finding   | $\checkmark$ | $\checkmark$ |
|                          | Peak Integration   | $\checkmark$ | $\checkmark$ |
|                          | Peak Fitting   |              | ✓            |
|                          | Fit Baseline with Peaks  |              | $\checkmark$ |
|                          | Fit Individual Peaks with<br>Different Fitting Functions   |              | $\checkmark$ |
|                          | Batch Peak Analysis  |              | $\checkmark$ |
|                          |  |              |              |

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| 0 |    | total |
|---|----|-------|
|   | 51 | ioiai |
|   | 21 |       |

|  | Signal Analysis                    |  | Origin       | OriginPro    | Gadget           |                            |
|--|------------------------------------|--|--------------|--------------|------------------|----------------------------|
|  |                                    | Smoothing using Savitzky-Golay<br>Filter, Adjacent Averaging, FFT<br>Filter, and Percentile Filter | $\checkmark$ | ~            |                  | Surfa<br>Globe<br>Gadg     |
|  | SMOOTHING<br>AND FILTERING         | FFT Filters: Low Pass, Low Pass<br>Parabolic, High Pass, Band Pass,<br>Band Block, and Threshold   | ~            | ~            |                  | Interso<br>Sigmo<br>Cluste |
|  |                                    | IIR Filter Design  |              | ~            | GADGETS          | Quick<br>Differ            |
|  |                                    | FFT with Basic Options   | $\checkmark$ | ~            |                  | Interp<br>Quick            |
|  | FAST FOURIER<br>TRANSFORM<br>(FFT) | 2D FFT and 2D FFT Basic<br>Filtering   |              | ~            |                  | Rise T<br>Integr<br>and S  |
|  |                                    | Short-Time Fourier<br>Transform (STFT)   |              | ~            | Graphing         | Conn<br>Show               |
|  |                                    | Discrete Wavelet Transform<br>(DWT) and Inverse Discrete<br>Wavelet Transform (IDWT)               |              | ~            | GRAPHING<br>APPS | Ellips<br>2D a             |
|  |                                    | Wavelet Smoothing  |              | ✓            |                  | Pulse<br>Redlic            |
|  | WAVELET<br>ANALYSIS                | Wavelet Denoising  |              | ~            |                  | Rank<br>Linear<br>Marg     |
|  |                                    | Continuous Wavelet<br>Transform (CWT)  |              | ~            |                  | Neuro<br>Quan              |
|  |                                    | Evaluation of Continuous<br>Wavelet Function   |              | $\checkmark$ |                  | Fit OD<br>Globa            |
|  |                                    | Convolution and Deconvolution  | ~            | ~            |                  | 3D Sr<br>Rank              |
|  |                                    | Coherence  |              | $\checkmark$ | CURVE FITTING    | Polyn<br>Seque             |
|  |                                    | 1D Correlation   | $\checkmark$ | $\checkmark$ |                  | Piecev<br>Enzyn            |
|  | OTHERS                             | 2D Correlation   |              | $\checkmark$ |                  | Gene                       |
|  |                                    | Hilbert Transform  |              | ~            |                  | Comp<br>Fit Ad             |
|  |                                    | Signal Envelope  |              | ~            |                  | Find c<br>2D Sr            |
|  |                                    | Signal Decimation  |              | $\checkmark$ |                  | Simpl<br>Comp              |
|  |                                    | Rise and Fall Time Analysis  |              | ~            |                  | Comp<br>Param              |

| get         |  | Origin       | OriginPro    |
|-------------|--|--------------|--------------|
|             | Surface Integration Gadget   |              | $\checkmark$ |
|             | Global Vertical Cursor<br>Gadget Across Graphs   | $\checkmark$ | ~            |
|             | Intersect Gadget   | $\checkmark$ | $\checkmark$ |
|             | Sigmoidal Fit Gadget   | $\checkmark$ | $\checkmark$ |
|             | Cluster Gadget   |              | ~            |
| DGETS       | Quick Peaks Gadget   | $\checkmark$ | ~            |
|             | Differentiate and<br>Interpolate Gadget  | $\checkmark$ | ~            |
|             | Quick Fit Gadget   | $\checkmark$ | $\checkmark$ |
|             | Rise Time Gadget   |              | $\checkmark$ |
|             | Integrate, FFT<br>and Statistics Gadget  | $\checkmark$ | $\checkmark$ |
| bhing       |  | Origin       | OriginpPtro  |
| APHING      | Connect Data Points to Centroid,<br>Show Convex Hull or Confidence<br>Ellipse for Scatter Plot |              | $\checkmark$ |
|             | 2D and 3D Graphing   | $\checkmark$ | $\checkmark$ |
| S           |  | Origin       | OriginPro    |
|             | Pulse Fit  |              | $\checkmark$ |
|             | Redlich–Kister Polynomial Fit  |              | $\checkmark$ |
|             | Rank Models by Fit Reports   |              | $\checkmark$ |
|             | Linear Regression with<br>Marginal Distribution  |              | $\checkmark$ |
|             | Neural Network Regression  |              | $\checkmark$ |
|             | Quantile Regression  |              | $\checkmark$ |
|             | Fit ODE  |              | ~            |
|             | Global Fit with Multiple Functions   |              | ~            |
|             | 3D Smoother  |              | ~            |
|             | Rank Models  |              | $\checkmark$ |
|             | Polynomial Surface Fit   |              | $\checkmark$ |
| RVE FITTING | Sequential Fit   |              | $\checkmark$ |
|             | Piecewise Fit  |              | $\checkmark$ |
|             | Enzyme Kinetics  |              | ✓            |
|             | General Linear Regression  |              | ~            |
|             | Composite Spectrum Regression  |              | ✓            |
|             | Fit Adsorption Isotherm  |              | ~            |
|             | Find a Fitting Function  | $\checkmark$ | ~            |
|             | 2D Smoother  | $\checkmark$ | ✓            |
|             | Simple Fit   | $\checkmark$ | ✓            |
|             | Compare Datasets   | $\checkmark$ | ✓            |
|             | Compare Linear Fit<br>Parameters and Datasets  | $\checkmark$ | ~            |

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3



| APPS (con't)  |   | Origin       | OriginPro    | APPS (con't)         |   |
|---------------|---|--------------|--------------|----------------------|---|
|               | Pulse Fit                                       |              | ~            |                      | F |
|               | Redlich–Kister Polynomial Fit                   |              | ~            |                      | I |
|               | Rank Models by Fit Reports                      |              | ~            |                      |   |
|               | Linear Regression with<br>Marginal Distribution |              | $\checkmark$ |                      |   |
|               | Neural Network Regression                       |              | $\checkmark$ |                      | - |
|               | Quantile Regression                             |              | ~            |                      | - |
|               | Fit ODE   |              | $\checkmark$ | MATHEMATICS          | ( |
|               | Global Fit with Multiple Functions              |              | $\checkmark$ |                      | F |
|               | 3D Smoother                                     |              | $\checkmark$ |                      | ( |
|               | Rank Models                                     |              | $\checkmark$ |                      | - |
|               | Polynomial Surface Fit                          |              | $\checkmark$ |                      |   |
| CURVE FITTING | Sequential Fit                                  |              | $\checkmark$ |                      |   |
|               | Piecewise Fit                                   |              | $\checkmark$ |                      |   |
|               | Enzyme Kinetics                                 |              | $\checkmark$ |                      |   |
|               | General Linear Regression                       |              | $\checkmark$ |                      |   |
|               | Composite Spectrum Regression                   |              | ~            |                      | 1 |
|               | Fit Adsorption Isotherm                         |              | ~            |                      |   |
|               | Find a Fitting Function                         | $\checkmark$ | ~            |                      | 1 |
|               | 2D Smoother                                     | $\checkmark$ | ~            |                      |   |
|               | Simple Fit                                      | $\checkmark$ | $\checkmark$ |                      |   |
|               | Compare Datasets                                | $\checkmark$ | $\checkmark$ |                      |   |
|               | Compare Linear Fit<br>Parameters and Datasets   | $\checkmark$ | ~            | SIGNAL<br>PROCESSING |   |
|               | Tangential Baseline                             |              | ~            |                      |   |
|               | X-Ray Diffraction Analysis                      |              | ~            |                      |   |
|               | 2D Peak Analysis                                |              | $\checkmark$ |                      |   |
| PEAK ANALYSIS | Gel Molecular Weight Analyzer                   |              | $\checkmark$ |                      | + |
|               | Global Peak Fit                                 |              | $\checkmark$ |                      |   |
|               | Peak Deconvolution                              |              | ~            |                      |   |
|               | Align Peaks                                     | $\checkmark$ | ~            |                      | ' |

Origin OriginPro  $\checkmark$ Propagation of Error Matrix Analysis  $\checkmark$  $\checkmark$ **Optimization Solver**  $\checkmark$ Apparent Integraion  $\checkmark$ Equations Solver  $\checkmark$ Concave Hull Popular Constants  $\checkmark$  $\checkmark$ Curvature Radius  $\checkmark$  $\checkmark$  $\checkmark$  $\checkmark$ Tangent  $\checkmark$  $\checkmark$ Tafel Extrapolation  $\checkmark$ Distance Between Two Points  $\checkmark$ Level Crossing  $\checkmark$  $\checkmark$ Gaussian Filtering in Surface  $\checkmark$ Netrology  $\checkmark$ Rainflow Counting Zoom FFT  $\checkmark$ Empirical Mode Decomposition  $\checkmark$ Modified Short-Time  $\checkmark$ ourier Transform Direct Linear Transformation  $\checkmark$ ndependent  $\checkmark$ Component Analysis  $\checkmark$ Dynamic Time Warping  $\checkmark$ Simple pCLAMP Analyzer Time-Frequency Analysis  $\checkmark$ ourier Self-Deconvolution  $\checkmark$ FFT Examiner  $\checkmark$  $\checkmark$  $\checkmark$ White Noise

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## $\frac{2}{5} \int \frac{total}{2}$

| APPS (con't) |   | Origin       | OriginPro    | APPS (con't)        |
|--------------|---|--------------|--------------|---------------------|
|              | Chi-Square Test   |              | $\checkmark$ |                     |
|              | for Contingency Table<br>Power and Sample Size<br>for Equivalence Tests |              | ✓            | IMAGE PROC          |
|              | Sparse Principal<br>Components Analysis                                 |              | ~            | ING                 |
|              | Generalized Linear Mixed Model  |              | $\checkmark$ |                     |
|              | Abbott-Firestone Curve  |              | $\checkmark$ |                     |
|              | Bootstrap Sampling  |              | $\checkmark$ |                     |
|              | Effect Size for ANOVA   |              | $\checkmark$ |                     |
|              | Steel-Dwass Test  |              | $\checkmark$ |                     |
|              | Radiometric Geochronology<br>Analysis                                   |              | $\checkmark$ |                     |
|              | Advanced Time Series Analysis   |              | $\checkmark$ |                     |
|              | Welch ANOVA   |              | $\checkmark$ |                     |
|              | Overlap of Empirical Distributions                                      |              | $\checkmark$ |                     |
|              | Structural Equation Modeling  |              | $\checkmark$ | GRAPH<br>CUSTOMIZAT |
|              | Drug Dissolution Analysis   |              | $\checkmark$ | CUSIOMIZAI          |
|              | Surface Roughness Parameters  |              | $\checkmark$ |                     |
|              | MANOVA  |              | $\checkmark$ |                     |
|              | Probit Analysis   |              | $\checkmark$ |                     |
|              | ANOVA from Summary Data   |              | $\checkmark$ |                     |
|              | Optimal Cluster Number  |              | $\checkmark$ |                     |
|              | 1 D Statistical<br>Parametric Mapping                                   |              | $\checkmark$ |                     |
| STATISTICS   | Detrended<br>Correspondence Analysis                                    |              | $\checkmark$ |                     |
|              | Standard Curve Analysis   |              | $\checkmark$ |                     |
|              | Linear Mixed Effects Model  |              | $\checkmark$ |                     |
|              | SVM Classification  |              | $\checkmark$ |                     |
|              | Canonical Correlation Analysis  |              | $\checkmark$ |                     |
|              | Nonmetric<br>Multidimensional Scaling                                   |              | $\checkmark$ |                     |
|              | 2D Correlation<br>Spectroscopy Analysis                                 |              | $\checkmark$ |                     |
|              | Change Point Analysis   |              | $\checkmark$ |                     |
|              | Design of Experiments   |              | $\checkmark$ |                     |
|              | Gaussian Mixture Models   |              | $\checkmark$ | DATA PROCES         |
|              | Factor Analysis   |              | $\checkmark$ | ING                 |
|              | Simple Time Series Analysis   |              | $\checkmark$ |                     |
|              | Logistic Regression   |              | $\checkmark$ |                     |
|              | Principal Component<br>Analysis for Spectroscopy                        |              | $\checkmark$ |                     |
|              | Advanced Principal<br>Component Analysis                                |              | $\checkmark$ |                     |
|              | Post-hoc Analysis for<br>Nonparametric Tests                            |              | $\checkmark$ |                     |
|              | Logistic Regression   |              | $\checkmark$ |                     |
|              | NetCDF Data Analysis  |              | $\checkmark$ |                     |
|              | Mann-Kendall Test   |              | $\checkmark$ |                     |
|              | Hurst Exponent  | $\checkmark$ | $\checkmark$ |                     |
| L            | 1 1   |              |              | L                   |

| 6 (con't)   |                                      | Origin       | OriginPro    |
|-------------|--------------------------------------|--------------|--------------|
|             | Brain Atlas Analyzer                 |              | $\checkmark$ |
| GE PROCESS- | Image Object Counter                 |              | $\checkmark$ |
|             | Bubble Image Area                    |              | $\checkmark$ |
|             | Soil/Rock<br>Classification Diagrams | $\checkmark$ | $\checkmark$ |
|             | Color Editor                         | $\checkmark$ | $\checkmark$ |
|             | LaTeX                                | $\checkmark$ | $\checkmark$ |
| NPH         | Google Map Import                    | $\checkmark$ | $\checkmark$ |
| TOMIZATION  | Maps Online                          | ✓            | ✓            |
|             | Import Shapefile                     | ✓            | ~            |
|             | Colormap for Map Data                | $\checkmark$ | $\checkmark$ |
|             | Layer Stack Manager                  | $\checkmark$ | $\checkmark$ |
|             | Video Data Explorer                  |              | $\checkmark$ |
|             | Distributed Batch Processing         |              | $\checkmark$ |
|             | OPJ Packer                           |              | ✓            |
|             | Extract XY Data in Graph             | ✓            | $\checkmark$ |
|             | Project Manager                      | $\checkmark$ | $\checkmark$ |
| A PROCESS-  | Periodic Report                      | $\checkmark$ | $\checkmark$ |
|             | Hysteresis                           | $\checkmark$ | $\checkmark$ |
|             | OPJ Packer                           | $\checkmark$ | $\checkmark$ |
|             | Toolbar Maker                        | $\checkmark$ | $\checkmark$ |
|             | Data Slicer                          | $\checkmark$ | $\checkmark$ |
|             | OPJ Searcher                         | $\checkmark$ | $\checkmark$ |
|             | 1                                    | I            |              |

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5

| APPS (con't) |   | Origin       | OriginPro    |
|--------------|---|--------------|--------------|
|              | Gardner-Altman Plot   |              | $\checkmark$ |
|              | Torsional Angle Wheel Plot                                      |              | ~            |
|              | Piper Diagram   |              | $\checkmark$ |
|              | Marginal Abatement Cost Curve                                   |              | $\checkmark$ |
|              | Manhattan Plot for GWAS<br>(Genome-Wide Association<br>Studies) |              | ~            |
|              | Image Stack Profile   |              | $\checkmark$ |
|              | Heat Map with Dendrogram  |              | $\checkmark$ |
|              | 3D Antenna Radiation Pattern                                    |              | ✓            |
|              | Correlation Plot  |              | $\checkmark$ |
|              | Polar Heatmap with Dendrogram                                   |              | $\checkmark$ |
|              | Polar Contour Profile   | $\checkmark$ | $\checkmark$ |
|              | Means Plot  | $\checkmark$ | $\checkmark$ |
|              | Rectangle and Ellipse Profile                                   | $\checkmark$ | $\checkmark$ |
|              | Common Bar Width  | $\checkmark$ | $\checkmark$ |
|              | Color Spectrum Plot   | $\checkmark$ | $\checkmark$ |
| GRAPHING     | Hansen Solubility Parameter Plot                                | $\checkmark$ | $\checkmark$ |
|              | Ternary Contour Profile   | $\checkmark$ | $\checkmark$ |
|              | Taylor Diagram  | $\checkmark$ | $\checkmark$ |
|              | 3D Polar Strain Map   | $\checkmark$ | $\checkmark$ |
|              | Zoomed Inset Plus   | $\checkmark$ | $\checkmark$ |
|              | 3D Wind Rose  | $\checkmark$ | $\checkmark$ |
|              | Isosurface  | $\checkmark$ | $\checkmark$ |
|              | Graph Maker   | $\checkmark$ | $\checkmark$ |
|              | Batch Plotting  | $\checkmark$ | $\checkmark$ |
|              | Chromaticity Diagram  | $\checkmark$ | $\checkmark$ |
|              | Paired Comparison Plot  | $\checkmark$ | $\checkmark$ |
|              | Kernel Density for<br>Polar and Ternary                         | $\checkmark$ | $\checkmark$ |
|              | 3D Wall Profile   | $\checkmark$ | $\checkmark$ |
|              | Plot Sub Matrix   | ./           | 1            |

5 total

| APPS (con't)         |                                      | Origin       | OriginPro    |
|----------------------|--------------------------------------|--------------|--------------|
|                      | Import Chem Data                     |              | $\checkmark$ |
|                      | Flow Cytometry Standard<br>Connector | $\checkmark$ | $\checkmark$ |
|                      | Nicolet WFT Connector                | $\checkmark$ | $\checkmark$ |
|                      | Stiegele MDF Connector               | ~            | $\checkmark$ |
|                      | Shapefile Connector                  | ~            | ~            |
|                      | N42 Connector                        | $\checkmark$ | $\checkmark$ |
|                      | GeoTIFF Export                       | $\checkmark$ | $\checkmark$ |
|                      | Import PDF Tables                    | $\checkmark$ | $\checkmark$ |
|                      | TDMS Connector                       | $\checkmark$ | $\checkmark$ |
|                      | Yokogawa WDF Connector               | $\checkmark$ | $\checkmark$ |
|                      | MDF4 Connector                       | ~            | $\checkmark$ |
|                      | BioLogic Connector                   | ~            | ~            |
|                      | MetroPro Connector                   | ~            | ~            |
|                      | Minitab Connector                    | ~            | ~            |
| IMPORT AND<br>EXPORT | NetCDF Connector                     | ~            | ~            |
|                      | Word Connector                       | $\checkmark$ | $\checkmark$ |
|                      | Import NMR Data                      | $\checkmark$ | $\checkmark$ |
|                      | LeCroy Connector                     | ~            | ~            |
|                      | Import SAS XPT Files                 | $\checkmark$ | $\checkmark$ |
|                      | HTML Report Assistant                | $\checkmark$ | $\checkmark$ |
|                      | Graph Publisher                      | $\checkmark$ | $\checkmark$ |
|                      | Import LSM                           | $\checkmark$ | $\checkmark$ |
|                      | Movie Creator                        | $\checkmark$ | ~            |
|                      | HDF5 Browser                         | ~            | $\checkmark$ |
|                      | Import Tektronix WFM Files           | ~            | $\checkmark$ |
|                      | Agilent MS Reader                    | ~            | $\checkmark$ |
|                      | Export Multiple Worksheets           | $\checkmark$ | $\checkmark$ |
|                      | Send Graphs to Powerpoint            | ~            | $\checkmark$ |
|                      | Send Graphs to Word                  | $\checkmark$ | $\checkmark$ |

Note: New Apps are released frequently. Please visit originlab.com/Apps for the most up-to-date list.

 $\checkmark$ 

 $\checkmark$ 

 $\checkmark$ 

 $\checkmark$ 

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Plot Sub Matrix

Zoomed Inset

