

IDL Advanced Math and Stats Module

Add More Power to Your Data Analysis

IDL's Advanced Math and Stats module integrates the comprehensive mathematical and statistical routines of the IMSL™ C Numerical Library with the advanced data visualization and analysis capabilities of IDL.

As a science and/or engineering professional, the IDL Advanced Math and Stats module gives you the ability to directly access nearly 200 proven algorithms and routines from within the IDL environment. Additionally, you can easily call these mathematical and statistical functions from new or existing IDL applications and immediately visualize the results.

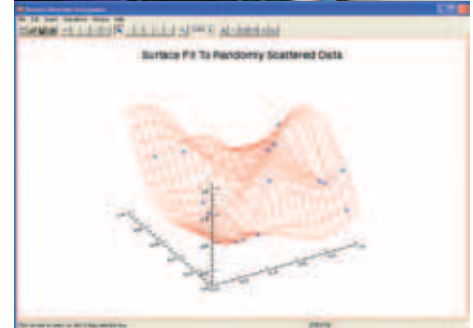
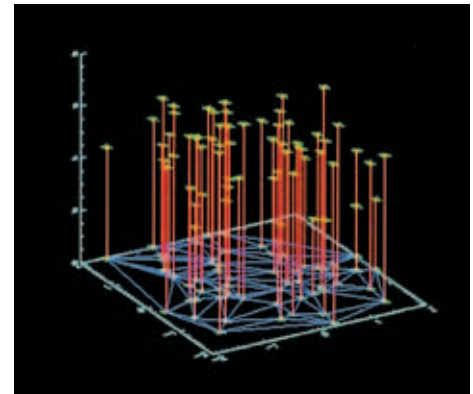
IDL provides you with robust visualization and analysis capabilities, and with the Advanced Math and Stats module you'll add comprehensive numerical analysis using the IMSL Libraries including:

STATISTICAL FUNCTIONS

- Basic statistics
- Regression
- Correlation and covariance
- Analysis of variance
- Categorical and discrete data analysis
- Nonparametric statistics
- Goodness-of-fit and randomness
- Time series and forecasting
- Multivariate analysis
- Survival analysis
- Probability distribution functions and inverses
- Random number generation and utilities

MATHEMATICAL FUNCTIONS

- Linear systems
- Eigensystem analysis
- Interpolation and approximation
- Differential equations
- Transforms
- Nonlinear equations
- Optimization
- Matrix/vector operations
- Special functions and utilities



WHO BENEFITS FROM THE IDL ADVANCE MATH AND STATS MODULE?

The IDL Advanced Math and Stats module will benefit any user that wants to take advantage of pre-built functionality to quickly and easily add powerful mathematical and statistical capabilities to IDL applications.

Add advanced mathematical and statistical capabilities to IDL today. Learn more about the IDL Advanced Math and Stats module at www.exelisvis.com/IDL or call **303.786.9900** and ask for your IDL representative.

The Power of IDL. With Advanced Math and Stats Capabilities.