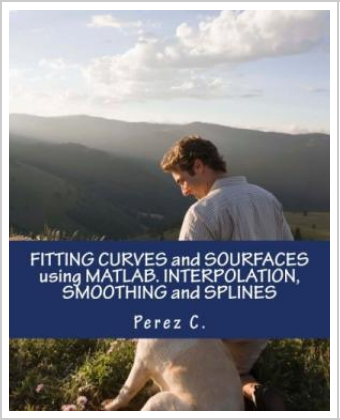

Fitting Curves and Sourfaces Using MATLAB. Interpolation, Smoothing and Splines (Paperback)

By Perez C

Createspace Independent Publishing Platform, 2017. Paperback. Condition: New. Language: English . Brand New Book ***** Print on Demand *****.MATLAB Curve Fitting Toolbox lets you perform exploratory data analysis, preprocess and post-process data, compare candidate models, and remove outliers. You can conduct regression analysis using the library of linear and nonlinear models provided or specify your own custom equations. The library provides optimized solver parameters and starting conditions to improve the quality of your fits. The toolbox also supports nonparametric modeling techniques, such as splines, interpolation, and smoothing. After creating a fit, you can apply a variety of post-processing methods for plotting, interpolation, and extrapolation; estimating confidence intervals; and calculating integrals and derivatives. Curve Fitting Toolbox software allows you to work in two different environments: - An interactive environment, with the Curve Fitting app and the Spline Tool - A programmatic environment that allows you to write object-oriented MATLAB code using curve and surface fitting methods The more important features of this toolbox ar de next: -Curve Fitting app for curve and surface fitting -Linear and nonlinear regression with custom equations -Library of regression models with optimized starting points and solver parameters -Interpolation methods, including B-splines, thin plate splines, and tensor-productsplines...

Reviews

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