Subject: Added GuessCoeff() to improve Fit() performance
Posted by koldo on Mon, 02 Feb 2015 08:24:38 GMT
View Forum Message <> Reply to Message

Fit() permits to adjust a series of data to a function through regression analysis.

As Fit() is for general use, it does not know special properties of equations to be fitted. This could be a problem if the initial conditions are not properly set, so in many cases Fit() will not converge.

To solve this it has been added GuessCoeff(). It permits to guess a proper initial conditions to let Fit() adjust successfully.

For example, SinusEquation represents y = offset + A*sin(w*t + phi) equation, and now includes GuessCoeff(). This helps to fit raw data like shown here:

File Attachments

1) img.jpg, downloaded 984 times

