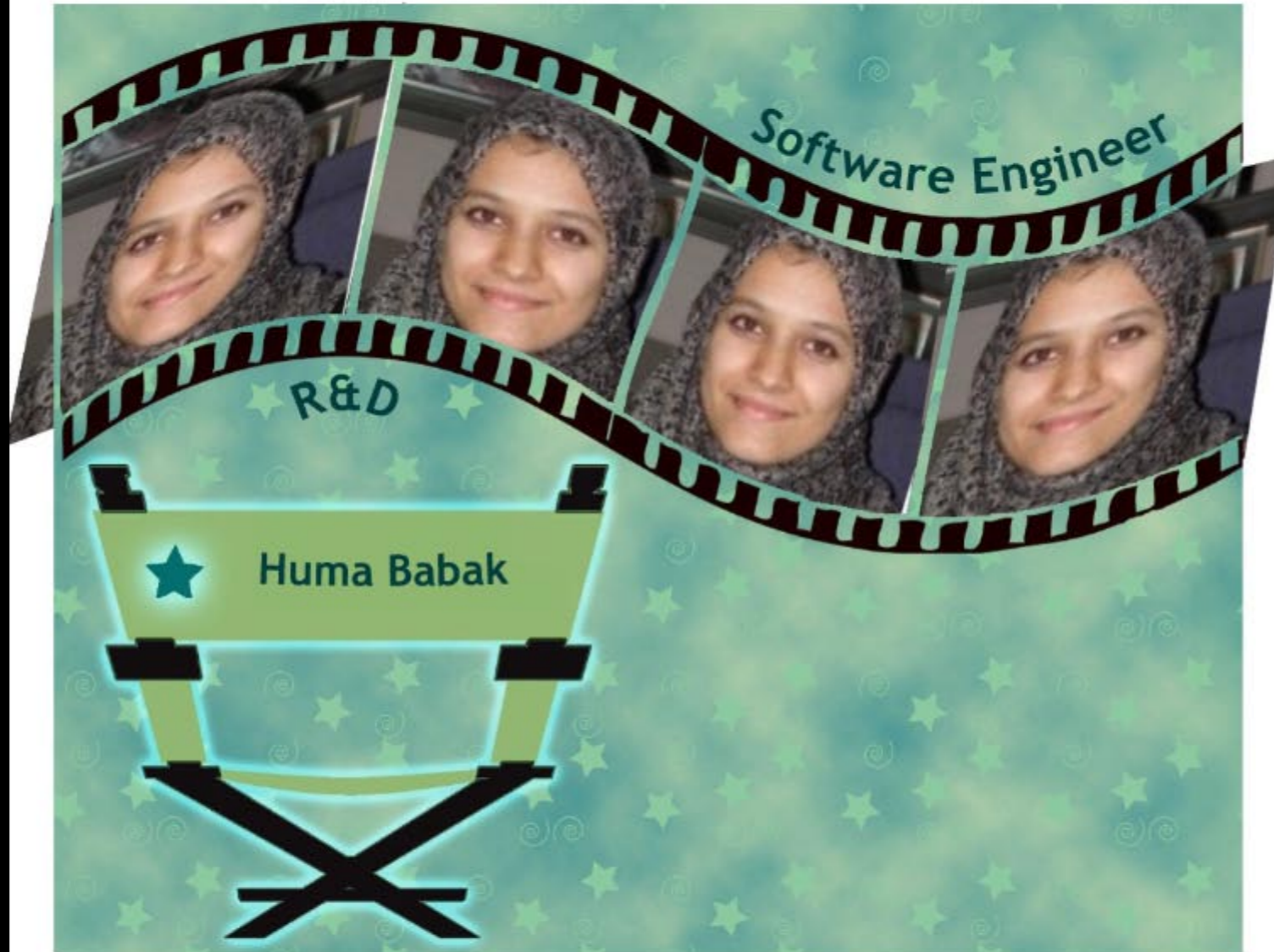




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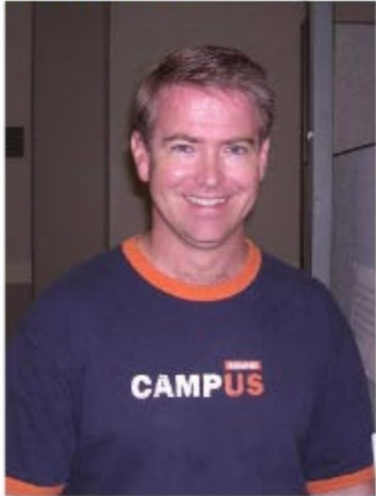


Agilent Technologies



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Sue Wolber



Tom Fay



Bob Cermak



Stacy Schaut



Scott Bayes



Jeff Homan





Agilent Interactive IO - CONNECTED TO GPIBO::7::INSTR

Connect Interact Help

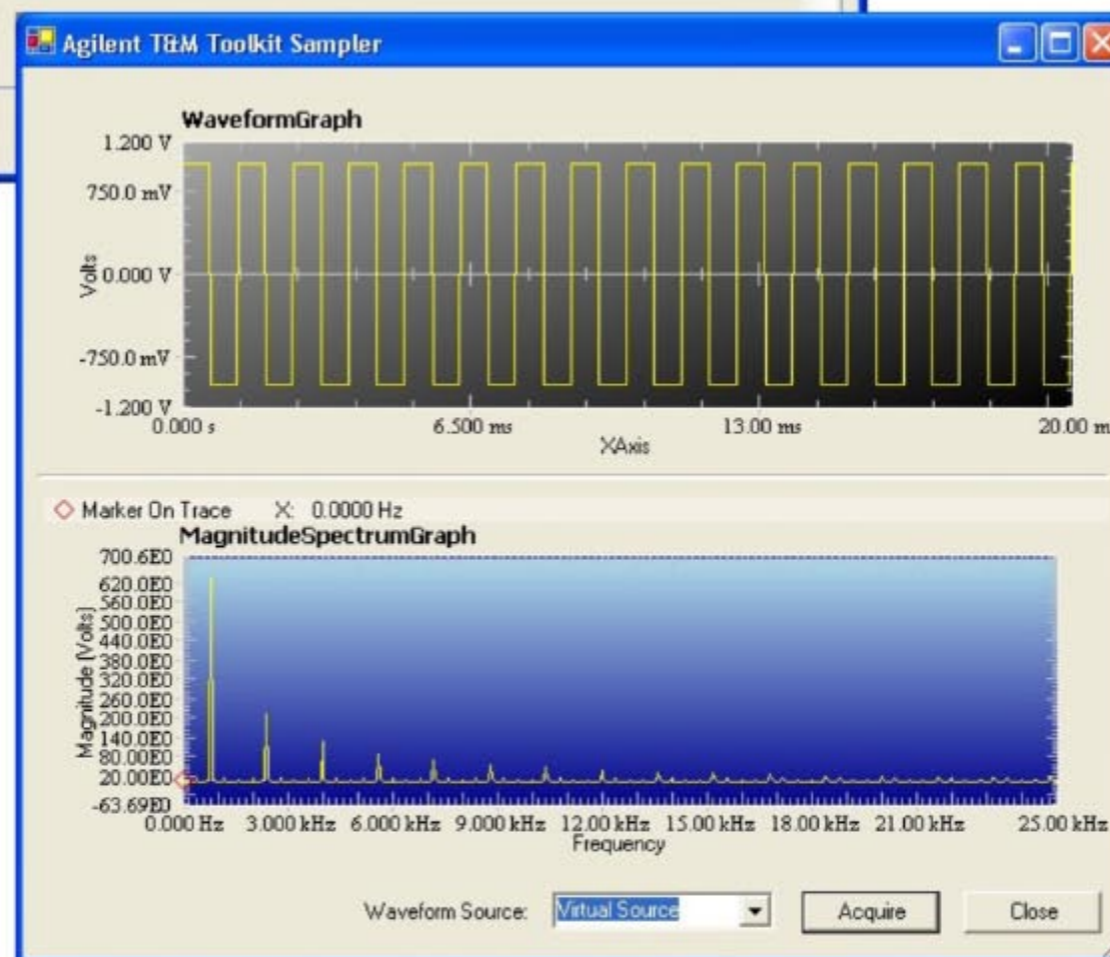
Stop Device Clear Read STB SYST:ERR? Clear History Options

Command: IDN? Commands ▾

Send Command Read Response Send & Read

Instrument Session History:

```
-> *IDN?  
-< HEWLETT-PACKARD,34970A,0,11-1-2
```



Agilent T&M Toolkit

Data Analysis

The screenshot shows the Agilent T&M Toolkit 2.0 help window. The title bar reads "Agilent T&M Toolkit 2.0 - Data Analysis in T&M Toolkit". The menu bar includes File, Edit, View, Tools, Window, and Help. The address bar shows "ms-help://Agt.TM_Toolkit20/Agilent.TMDat". The left pane shows a tree view of the help content, with "Data Analysis in T&M Toolkit" selected. The right pane displays the content for this section, including sub-sections for DSP Filtering, Statistics, Regression, and Matrices, along with a feedback link and copyright information.

Agilent T&M Toolkit 2.0

- Welcome to Agilent T&M Toolkit!
- What's New in Version 2.0?
- Frequently Asked Questions about Agilent T&M Toolkit
- Instrument Explorer
- Using DirectIO to Program Instruments
- Results Management
- Using Data Analysis
 - Data Analysis in T&M Toolkit**
 - Introduction to DSP Filtering
 - Using the Bartlett Filter
 - Using the Blackman Filter
 - Using the Hamming Filter
 - Using the Hanning Filter
 - Using the Rectangular Filter
- Using the 2D Graph Objects
- Using Agilent T&M Toolkit Utilities
- IVI-C and IVI-COM Instrument Drivers
- Calling Agilent VEE Pro
- Samples
- VXIplug&play Driver Reference
- T&M Framework Reference
 - Agilent.TMFramework
 - Agilent.TMFramework.ComponentN
 - Agilent.TMFramework.ComponentN
 - Agilent.TMFramework.ComponentN
 - Agilent.TMFramework.ComponentN
 - Agilent.TMFramework.ComponentN
 - Agilent.TMFramework.ComponentN
 - Agilent.TMFramework.ComponentN
 - Agilent.TMFramework.ComponentN
 - Agilent.TMFramework.DataAnalysis
 - Bessel Class
 - ComplexMatrix Class
 - Dsp Class
 - DspException Class
 - Matrix Class
 - Regression Class

Data Analysis in T&M Toolkit

DSP Filtering

Agilent T&M Toolkit offers several types of analytical tools: Statistical Analysis, DSP Filtering, and Regression. DSP Filtering is discussed in detail beginning with its first topic, [Introduction to DSP Filtering](#).

Statistics

Microsoft's statistical library is inherited into the T&M Toolkit statistical library. This makes it simple for you to refer to one location for all your statistical needs. The library is comprehensive with Toolkit covering the few remaining statistics not covered by Microsoft. Examples of methods covered include finite mathematics through variance and standard deviation. Other examples are:

Root Mean Squared (RMS) Where x is the array [1, 2, 3, 4, 5, 11, 12, 13, 14, 34], RMS(x) returns 13.319159
Median where x is the array ([1, 2, 3, 8, 20]) returns 3. For an array with an odd number of elements, the median is the central value.
Gamma(8) returns (8-1)! = 5040
Combination(10,3) returns 120 using the formula: $10! / ((10-3)! * 3!) = 10! / (7! * 3!) = (10 * 9 * 8) / (3 * 2 * 1) = 120$

Regression

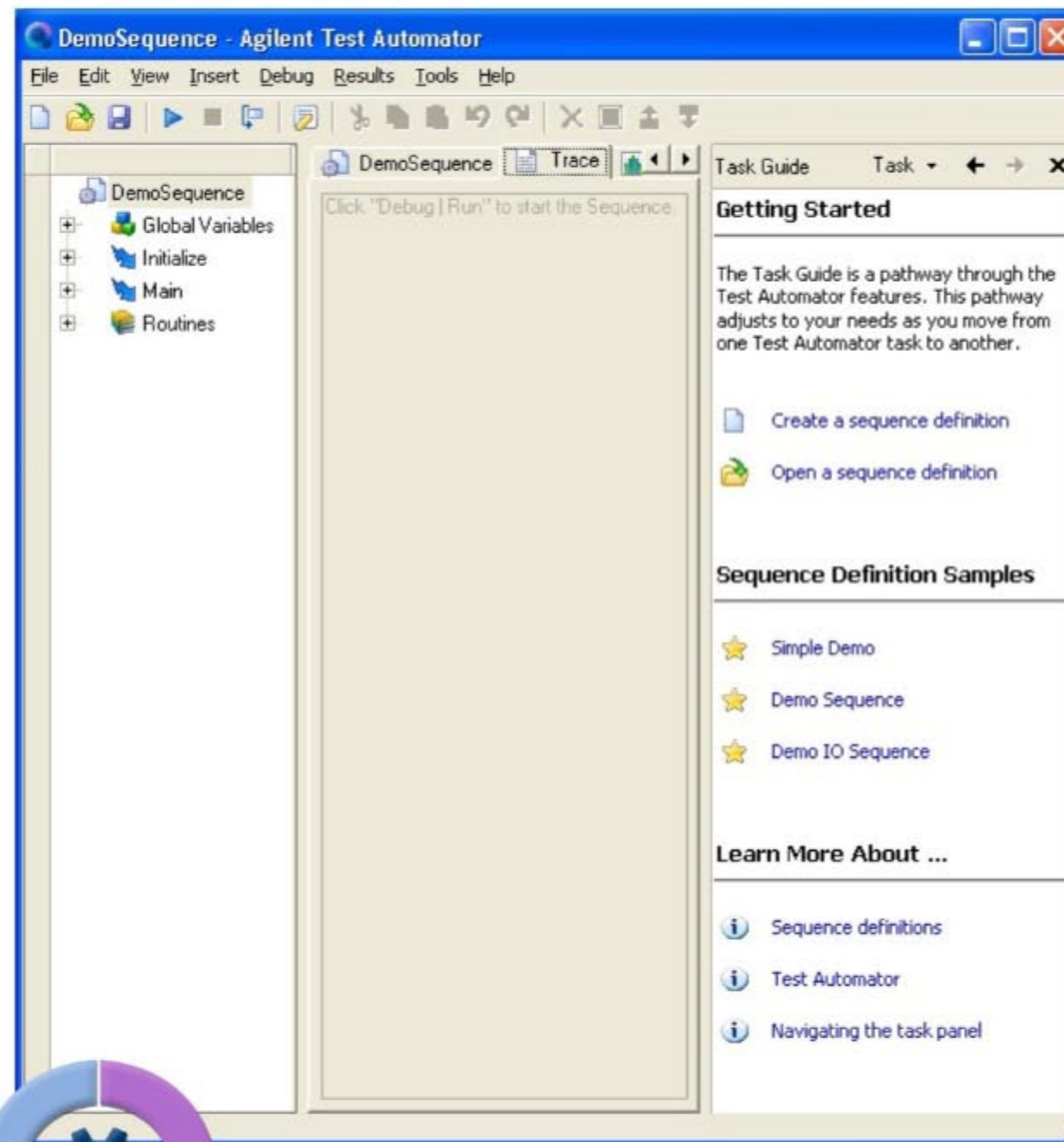
Regression is a specific set of T&M Toolkit methods. There are four kinds of supported regression. They are Linear, Exponential, Logarithmic, and Power Curve. Each of these regression techniques has a dozen best-fit methods.

Matrices

Matrix math (addition, subtraction, multiplication and division) is supported for both standard and complex number matrices. Other features, such as diagonal, inverse, determinant, and negate, are also provided.

[Send documentation feedback to Agilent](#)
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Agilent Test Automator



Task Guide

All work and no play..





Want to link to us? Please follow the guidelines and [obtain the HTML here](#)

Talent

Photo	Name	Skills	Species	Rate Per Hour	Availability
	Mitch	<ul style="list-style-type: none"> • Crystal Reports • VB3 • VB6 • Recent JSP training 	Chimpanzee	93 cents	August 15
Resume Summary	1 year Crystal, 6 months VB6, 1 year VB3. Mitch is very easy mannered and well groomed. Easy to work with. Types 25 WPM.				
	Stacy	<ul style="list-style-type: none"> • Expert with FLEXIm licensing • MS VSPackage experience • Good at clocking/decorating • Likes to blow bubbles & take long walks in the park • She's great at .NET system documentation. 	Pixie	65 cents	August 7
Resume Summary	Stacy is our best primate for licensing and mischief. Comes with excellent references from recent engagement at Agilent.				
	Clyde	<ul style="list-style-type: none"> • XML • Web Services • Received ASP.NET training in March. 	Orangutan	\$1.10	Call

May 2003



Stacy went away for way too long... more than a week! It was horrible and we missed her so... so we had to welcome her back!



We're serious about our "welcome back"s



"you are our sunshine..."



The bubbles went over real well



Even Tom stuck his head out to join the bubbly party!



bubbles and more bubbles!

Oct 29, 2002 Stacy's Birthday

Good
Times
😊



'tis the season to... decorate! The tree has Christmas lights, a huge leaf bag covers the chair, Wilson has a Halloween mask, and other Halloween decorations abound. Oh and of course the "Happy Birthday" poster. We were off a little on the "29", but hey we were close.



Stacy seen through the cobwebs... scary music played as the kids came by on Halloween day... "hmmm tasty, I wonder what that was" :-)



The balloons weren't quite enough to pick up Wilson (the yellow volleyball from the movie) but one of the smiley face balloons came down the second day to keep Wilson company.



Afterwards, Wilson's family keeps him company.



2002



Smile !

To : Huma
From : T&M Toolkunteers

December 2004
Best Wishes

Your friends at
Agilent appreciate you and
will miss you