

Welcome to A Mathematical Curvefitting Tool called FAZFIT

Submitting this properly, completed input sheet will implement a Curvefitting Tool. Please read disclaimer below. Using FAZFIT, one can perform a least squares curve fit on (X, Y) data. Curves for 25 equations are examined in the fitting process. Sums, sums of squares, equation coefficients, R-squares, corrected R-squares and best fit equation are computed. Further, predictions for Y can be calculated given a valid X value.

To load data from a previously saved session, [GO TO BOTTOM](#) to browse and load.

To return to main menu, [MENU](#).

To logout, [LOGOUT](#).

General Information	
Analyst	Any_Name
Agency/Co.	Fazio_Engineerware
Date Performed	30February2017
Time Performed	10am
Comment	Project_1A

NOTES:

A. Values of X and Y may be positive, negative or zero.

B. Only maximum 255 pairs of X and Y values can be used.

C. All (X,Y) entries after "Total Number of (X,Y) Pairs" are automatically ignored.

D. A LINEARIZING technique is applied to various equations so that the resulting equations are of the general form: $Y=A+B*X$. This means that sum of squares of errors in Y are not minimized, but the sum of squares of the linearized variable are minimized.

E. The Linear, Parabolic, Cubic and Hyperbolic equations are linear in the parameters so this reservation does not apply to those curves. Reservation applies to equations with LN, EXP or POWERS.

Essential Information

Total Number of (X,Y) Pairs (Must be an integer between 5 and 255, inclusively)

Will Y Value be Estimated? Yes

Value of X to Estimate Y 0.25

(X , Y) Values

1.	(0.1 , 4)
2.	(0.2 , 6)
3.	(0.3 , 8)
4.	(0.4 , 10)
5.	(0.5 , 12)
6.	(0.6 , 14)
7.	(0.7 , 16)
8.	(0.8 , 18)
9.	(0.9 , 20)
10.	(10 , 10)
11.	(11 , 11)
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[TOP](#)

SUBMIT

To calculate, press **SUBMIT** button.

To Save or Load Inputs For Later Usage:

NOTE: Save and load features may not work in some browsers. Enable JavaScript.

Filename to Save As:

Save Text to File

Select a File to Load: Browse... No file selected.

Load Selected File

To return to main menu, [MENU](#).

To logout, [LOGOUT](#).

DISCLAIMER: FAZFIT is a faithful implementation in that FAZFIT produced values which corresponded very closely with results from a scientific calculator. FAZFIT cannot guarantee 100% that other curvefit problems will produce accurate results. If the user suspects erroneous FAZFIT results, the user should perform the same problem using a scientific calculator or statistical software program. If discrepancies exist between FAZFIT and values from external sources, the user should report such discrepancies to Fazio Engineerware.