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Differentiation

Open Table or Figure or Plot with initial data and use Analysis → Differentiate menu item.

Formula

To perform integration you should specify two columns: x and y. Missing values are ignored.

MagicPlot uses **central difference** formula to compute the derivative:

$$y_n = \frac{1}{2} \left(\frac{y_{i+1} - y_i}{x_{i+1} - x_i} + \frac{y_i - y_{i-1}}{x_i - x_{i-1}} \right), \quad n=2 \dots N-1$$

From:

<https://magicplot.com/wiki/> - **MagicPlot Manual**

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<https://magicplot.com/wiki/differentiation?rev=1273571325>

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