? How can I perform matrix multiplication in Google Sheets?

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Matrix multiplication is a mathematical operation that combines two matrices to produce a new matrix. It is a commonly used technique in various fields such as statistics, engineering, and computer science. If you are looking to perform matrix multiplication in Google Sheets, it can be easily achieved by using the built-in functions and formulas. This allows you to input your matrix data and perform the multiplication calculations within the spreadsheet program. By following the correct syntax and formula structure, you can efficiently perform matrix multiplication in Google Sheets. This feature is particularly useful for data analysis and modeling tasks, where matrix multiplication is a fundamental operation.

MMULT

Calculates the matrix product of two matrices specified as arrays or ranges.

Sample Usage

`MMULT(A1:B3,C1:F2)`

`MMULT({1,2,3;4,5,6},{7;8;9})`

Syntax

`MMULT(matrix1, matrix2)`

`matrix1` - The first matrix in the matrix multiplication operation, represented as an array or range.

`matrix2` - The second matrix in the matrix multiplication operation, represented as an array or range.

Notes

As standard in matrix multiplication, the number of columns for `matrix1` must equal the number of rows for `matrix2`

See Also

`TRANSPOSE`: Transposes the rows and columns of an array or range of cells.

`SUMPRODUCT`: The SUMPRODUCT function calculates the sum of the products of corresponding entries in 2 equally sized arrays or ranges.

`MINVERSE`: Returns the multiplicative inverse of a square matrix specified as an array or range.

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`MDETERM`: Returns the matrix determinant of a square matrix specified as an array or range.

Examples

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