#### SUMX2MY2

[Syntax](Syntax.docx):

SUMX2MY2 ( array-1 , array-2 )

Description: Computes the sum of the difference of squares of the corresponding numerical elements in two arrays designated by array-1 and array-2.

Mathematical Formula:



where array-1 contains the x values, and array-2 contains the y values.

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| array-1 | array, [reference](reference.docx) | Designated the arrays to be operated on. If an argument contains text, logical values, or empty cells, those elements shall be ignored; however, cells with the value 0 shall be included. |
| array-2 |

Return Type and Value: number – The sum of the difference of squares of the corresponding elements in two arrays designated by array-1 and array-2.

However, if array-1 and array-2 have a different number of values, the return value is unspecified.

[Example:

SUMX2MY2({2,3,9,1,8,7,5},{6,5,11,7,5,4,4}) results in 55
SUMX2MY2({2,3,9;1,8,7},{6,5,11;7,5,4}) results in -64
end example]