#### FINV

[Syntax](Syntax.docx):

FINV ( probability , degrees-freedom-1 , degrees-freedom-2 )

Description: Computes the inverse of the F probability distribution. Given a value for probability, FINV seeks that value x such that FDIST(x, degrees-freedom1, degrees-freedom2) = probability. Thus, precision of FINV depends on precision of [FDIST](FDIST.docx). FINV uses an iterative search technique.

Arguments:

|  |  |  |
| --- | --- | --- |
| Name | Type | Description |
| probability | number | A probability associated with the F cumulative distribution. |
| degrees-freedom-1 | number | The number of degrees of freedom for the numerator, truncated to an integer. |
| degrees-freedom-2 | number | The number of degrees of freedom for the denominator, truncated to an integer. |

Return Type and Value: number – The inverse of the F probability distribution.

However, if

* probability < 0 or probability > 1, #NUM! is returned.
* degrees-freedom-1 < 1 or degrees-freedom-1 ≥ 1010, #NUM! is returned.
* degrees-freedom-2 < 1 or degrees-freedom-2 ≥ 1010, #NUM! is returned.
* The search has not converged after some implementation-defined number of iterations, #N/A is returned

[Example:

FINV(0.5,3,4) results in 0.940534076

end example]