

MaxDif

%MaxDif function

Function

The function returns the difference between the minimum and maximum values of given object for the time period elapsed.

Declaration

```
REAL %MaxDif(  
    REAL in Arg,  
    INT in timeInt  
    UNIVAL in trigger  
)
```

Parameters

Arg	Variable which value increment / decrement is to be calculated.
timeInt	Time interval [s] - calculation time depth.
trigger	Object - a change of its value causes the function to be recalculated. Its type is optional.

Description

The function calculates the difference between minimum and maximum values within the time interval defined by the parameter *timeInt*.

Return value

If minimum value is written before maximum one - the function returns a positive difference, i.e. increment.

If maximum value is written before minimum one - the function returns a negative difference, i.e. decrement.

If the object values within the given interval are the same, i.e. the same object values at the moment of trigger change, the function returns the value of 0.



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