

# Avex

## %AvexR function

**Old name** %AvexR

**Function** The function returns the time-weighted average of the values within an elapsed time period. The expression, that consists this function must be evaluated on a change. Result is a real value.  
Note: Unlike the [Ave](#) function that publishes the preliminary average continuously (after each evaluation), the Avex publishes the result only when ResetTrigger=@TRUE.

**Declaration**

```
REAL %Avex(  
    REAL in Arg,  
    BOOL in ResetTrigger  
)
```

|                   |                     |                                                              |
|-------------------|---------------------|--------------------------------------------------------------|
| <b>Parameters</b> | <b>Arg</b>          | Variable, which average is to be calculated.                 |
|                   | <b>ResetTrigger</b> | Change of the parameter into @TRUE state resets the average. |



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[Function arguments - types](#)