

# 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 contains this function, must be evaluated on a change. The 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  
)
```

**Parameters**

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



**Related pages:**

[Implemented functions](#)  
[Function arguments - types](#)