

Formula data

Name	Explanation
S0 ... S15	Sensor data
Command	Command data
Feedback	Feedback data
Output	Output data
Time	Time data
HCycles	Half cycles data

Formula functions

Name	Arg.	Explanation
SxxSpeed	1	Sensor speed with average value from 1 to 10000. SxxSpeed(Average)
SxxAcc	1	Sensor acceleration with average value from 1 to 10000. SxxAcc(Average)
sin	1	sine function
cos	1	cosine function
tan	1	tangens function
asin	1	arcus sine function
acos	1	arcus cosine function
atan	1	arcus tangens function
sinh	1	hyperbolic sine function
cosh	1	hyperbolic cosine
tanh	1	hyperbolic tangens function
asinh	1	hyperbolic arcus sine function
acosh	1	hyperbolic arcus tangens function
atanh	1	hyperbolic arcus tangens function
log2	1	logarithm to the base 2
log10	1	logarithm to the base 10
log	1	logarithm to the base 10
ln	1	logarithm to base e (2.71828...)
exp	1	e raised to the power of x
sqrt	1	square root of a value
sign	1	sign function -1 if x<0; 1 if x>0
rint	1	round to nearest integer
abs	1	absolute value
min	var.	min of all arguments
max	var.	max of all arguments
sum	var.	sum of all arguments
avg	var.	mean value of all arguments

Formula operators

Operator	Meaning	Priority
=	assignment	-1
&&	logical and	1
	logical or	2
<=	less or equal	4
>=	greater or equal	4
!=	not equal	4
==	equal	4
>	greater than	4
<	less than	4
+	addition	5
-	subtraction	5
*	multiplication	6
/	division	6
^	raise x to the power of y	7

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