Example 1
2+3*5

Example 2
a = 2;
b = 3;
c = 5;
x = a + b * c;

Example 3
angle = deg2rad(39);
a = 19;
b = tan(angle) * a;

Example 4:
hex("7E5");

Example 5:
bin("11111100101");

List of expression functions
if - Conditional statement Usage: if(1, print("Yes"))
for - For statement Usage: for(i=0, i<10, i=i+1, print("Loop", i))
exec - Executes multiple expressions Usage: exec(print("One"), msg("Two"))
exists - Checks is value exists Usage: exists(_param) = 0
notexists - Checks is value does not exists Usage: notexists(_param) = 1
nop - No operation (returns zero) Usage: nop() = 0.000000
nan - NaN value Usage: nan() = nan
def - Sets default value Usage: def(nan(), 100) = 100.000000
defnz - Sets default value not zero Usage: defnz(0, 100) = 100.000000
abs - Absolute value Usage: abs(-123) = 123.000000
sqrt - Square Root Usage: sqrt(9) = 3.000000
sqr - Square Usage: sqr(3) = 9.000000
sin - Sine Usage: sin(0.524) = 0.500347
cos - Cosine Usage: cos(1.047) = 0.500171
tan - Tangent Usage: tan(0.785) = 0.999204
asin - Inverse sine Usage: asin(0.5) = 0.523599
acos - Inverse cosine Usage: acos(0.5) = 1.047198
atan - Inverse tangent Usage: atan(1) = 0.785398
atan2 - Four quadrant inverse tangent Usage: atan2(1, 1) = 0.785398
pi - Pi constant value Usage: pi() = 3.141593
rad2deg - Radians to degrees Usage: rad2deg(3.141) = 179.966043
deg2rad - Degrees to radians Usage: deg2rad(180) = 3.141593
e - e constant value Usage: e() = 2.718282
pow - e raised to the given power Usage: exp(2) = 7.389056
exp10 - 10 raised to the given power Usage: exp10(2) = 100.000000
exp2 - 2 raised to the given power Usage: exp2(2) = 4.000000
log - Base e logarithm Usage: log(2) = 0.693147
log10 - Base 10 logarithm Usage: log10(2) = 0.301030
log2 - Base 2 logarithm Usage: log2(2) = 1.000000
rand - Random value Usage: rand() = 0.100845
inc - Increases value (value, limit, default) Usage: inc(5, 10, 0) = 6.000000
dec - Decreases value (value, limit, default) Usage: dec(5, 10, 0) = 6.000000
min - Minimum Usage: min(4, 6) = 4.000000
max - Maximum Usage: max(4, 6) = 6.000000
round - Round to nearest integer Usage: round(0.56) = 1.000000
roundup - Round up/down to integer Usage: roundup(0.56) = 1.000000
floor - Round to nearest value with decimals Usage: floor(0.56) = 0.000000
ceil - Round up to integer Usage: ceil(0.56) = 1.000000
trunc - Truncate to integer Usage: trunc(0.56) = 0.000000
center - Compensate hysteresis Usage: center(0.3, 0.2) = 0.2
compensate hysteresis

Usage: centerex(0.3,0.2,1.0,0.8) = 0.044955
centerex(0.1,0.2,1.0,0.8) = 0.000000
centerex(1,0.2,1.0,0.8) = 1.000000
centerex(0.9,0.2,1.0,0.8) = 0.619110

not
- Bitwise complement
Usage: not(10) = 4294967285

and
- Bitwise AND
Usage: and(10,3) = 2

or
- Bitwise non-exclusive OR
Usage: or(10,3) = 11

xor
- Bitwise exclusive OR
Usage: xor(10,3) = 9

nand
- Bitwise NAND
Usage: nand(10,3) = 4294967293

nor
- Bitwise non-exclusive NOR
Usage: nor(10,3) = 4294967284

xor
- Bitwise exclusive NOR
Usage: xnor(10,3) = 4294967286

shl
- Bitwise shift left
Usage: shl(10,2) = 40

shr
- Bitwise shift right
Usage: shr(10,2) = 2

lnot
- Logic complement
Usage: lnot(1) = 0

land
- Logic AND
Usage: land(1,0) = 0

lor
- Logic non-exclusive OR
Usage: lor(1,0) = 1

lxor
- Logic exclusive OR
Usage: lxor(1,0) = 1

lnand
- Logic NAND
Usage: lnand(1,0) = 1

lnor
- Logic non-exclusive NOR
Usage: lnor(1,0) = 0

lxnor
- Logic exclusive NOR
Usage: lxnor(1,0) = 0

eq
- Relational equality
Usage: eq(10,20) = 0

ne
- Relational inequality
Usage: ne(10,20) = 1

gt
- Relational strictly greater than
Usage: gt(10,20) = 0

lt
- Relational strictly less than
Usage: lt(10,20) = 1

ge
- Relational greater than or equal to
Usage: ge(10,20) = 0

le
- Relational less than or equal to
Usage: le(10,20) = 1

hex
- Converts string to number
Usage: hex("7E5") = 2021

bin
- Converts string to number
Usage: bin("11111100101") = 2021

sleep
- Sleeps n milliseconds
Usage: sleep(100)

datetime
- Current time (seconds since 1970)
Usage: datetime() = 1616502112.792

year
- Year from DateTime value
Usage: year(1616502112.792) = 2021

month
- Month from DateTime value
Usage: month(1616502112.792) = 3

day
- Day from DateTime value
Usage: day(1616502112.792) = 23

hour
- Hour from DateTime value
Usage: hour(1616502112.792) = 13

minute
- Minute from DateTime value
Usage: minute(1616502112.792) = 21

second
- Second from DateTime value
Usage: second(1616502112.792) = 52

millisec
- Millisecond from DateTime value
Usage: millisec(1616502112.792) = 792