

Function List of Global Library

Version	Date	Author	Comment
0.1	15/Oct	Ryan	Intial Draft
0.2	16/Jan/25	IvanGan	Add floatConversion, floatToNumber

执行概要

In This Documents

This documents have a function list of global library, and also will give a usage of each function.

Target

This documents will introduce each function of global library, follow this documents, you should known how to call these API functions with LUA script or run in TestExecutor,

FUNCTIONS

— time —

Now()

This function will give current time stamp.

parameter : NULL

return value : Time stamp of current time. a double number

usage : local x = Now();

— bit operation —

bit_and(x,y)

This function calculate the result of x,y with bit and.(&)

parameter :

x : a number value

y: a number value

return value :return of x&y

usage : local x = bit_and(1,3);

bit_or(x,y)

This function calculate the result of x,y with bit or.(|)

parameter :

x : a number value

y: a number value

return value :return of x|y

usage : local x = bit_or(1,3);

bit_not(x)

bit_xor(x)

bit_nor(x)

BitSelect(x,y)

return selected y bit of the x

parameter :

x : a number value

y: a number value, selected bit

set_bit(x,y)

return the value of x which bit is selected y set to 1

parameter :

x : a number value
y: a number value, selected bit

clr_bit(x,y)

return the value of x which bit is selected y set to 0

parameter :

x : a number value
y: a number value, selected bit

get_bit(x,y)

return the bit value of x which bit is selected y

parameter :

x : a number value
y: a number value, selected bit

—lock—

LockInstrument("xxx")

This function will generate a lock

parameter :

xxx : the name of locker

UnlockInstrument("xxx")

This function will unlock

parameter :

xxx : the name of locker

—number—

floatConversion(x)

float number cover to Byte

parameter :

x: float number
return: char[]

floatToNumber(x)

float number cover to Byte

parameter :
x: char[]
return: float

floatToFixed(x)

float number cover to Byte

parameter :
x: double
return: char[]

fixedToNumber(x)

float number cover to Byte

parameter :
x: char[]
return: double
