Legenda	Comment								
New in Moon#	nction has been introduced in Moon# and is not present in Lua 5.2								
Done	Implemented completely								
Done, with differences	Implemented, but has differences from the Lua version (detailed in comments).								
Not done, issues	Not completed yet.								
Unsupported, stub	Unsupported, but implemented as a stub for compatibility.								
Unsupported	Unsupported and likely support will be limited or non-existent also in the future								
Not done yet	Not even started.								

API	Yield	CLR	Mono	Unity	Differences	Yielding notes
_G	-	*	*	*		
_VERSION	-	*	*	*		
_MOONSHARP	-	*	*	*	A table, containing several fields including moonsharp version, platform and emulated lua version.	
assert	_	*	*	*		
collectgarbage	-	*	*	*	Some arguments ignored	
dofile	YES	*	*	*		
error	-	*	*	*		
getmetatable	-	*	*	*		
ipairs	YES	*	*	*		
load	NO	*	*	*		A function as input cannot yield.
loadsafe	NO	*	*	*	Same as loadfile, but with better handling of default _ENV for sandboxing.	
loadfile	-	*	*	*	stdin as input is not supported.	
loadfilesafe	-	*	*	*	Same as loadfile, but with better handling of default _ENV for sandboxing.	
next	-	*	*	*		
pairs	YES	*	*	*		
pcall	YES	*	*	*		
print	NO	*	*	*		tostring cannot yield when called from print
rawequal	-	*	*	*		
rawget	-	*	*	*		
rawlen	-	*	*	*		
rawset	-	*	*	*		
require	YES	*	*	*	Minor internal differences	
select	-	*	*	*		
setmetatable	-	*	*	*		

tonumber	-	*	*	*	Only bases between 2 and 10, and base 16 are supported.	
tostring	YES	*	*	*		
type	-	*	*	*		
xpcall	NO	*	*	*	Double faults are appended to error and ignored.	Code can yield, but the error message handler cannot.
bit32.arshift		*	*	*		
bit32.band		*	*	*		
bit32.bnot		*	*	*		
bit32.bor		*	*	*		
bit32.btest		*	*	*		
bit32.bxor		*	*	*		
bit32.extract		*	*	*		
bit32.Irotate		*	*	*		
bit32.lshift		*	*	*		
bit32.replace		*	*	*		
bit32.rrotate		*	*	*		
bit32.rshift		*	*	*		
coroutine.create		*	*	*		
coroutine.resume		*	*	*		
coroutine.running		*	*	*		
coroutine.status		*	*	*		
coroutine.wrap		*	*	*		
coroutine.yield		*	*	*		
debug.debug		*	*	*		
debug.getuservalue		*	*	*		
debug.gethook					Use the debugger infrastructure.	
debug.getinfo					Function is heavily dependent on implementation details.	
debug.getlocal					Function is heavily dependent on implementation details.	
debug.getmetatable		*	*	*		
debug.getregistry		*	*	*		
debug.getupvalue		*	*	*		
debug.setuservalue		*	*	*		
debug.sethook					Use the debugger infrastructure.	
debug.setlocal					Function is heavily dependent on implementation details.	
debug.setmetatable		*	*	*	Cannot set on userdata as now.	

debug.setupvalue		*	*	*		
debug.traceback		*	*	*		
-					Works ok, but returns a number instead of userdata (still, can be	
debug.upvalueid		*	*	*	used in pretty much the same way).	
debug.upvaluejoin						
ali in a sector accord		*	*	*	Evaluates the code passed as a parameter dynamically. All	
dynamic.eval		*	*	*	accesses are raw,function calls will raise an error.	
dynamic.prepare		- "	,		Prepares an expression for faster evaluation with dynamic.eval.	
file:close		*	*	NO		
file:flush		*	*	NO		
file:flush		*	*	NO		
file:read		*	*	NO		
file:read		*	*	NO NO		
file:setvbuf		*	*	NO		
file:write		*	*	NO		
me.write				NO		
io alogo		*	*	NO		
io.close io.flush		*	*	NO		
		*	*	NO		
io.input io.lines		*	*	NO		
		*	*	NO		
io.open		*	*	NO		
io.output				NO	Interprocess comms, stdin and stdout are NOT supported. This	
io.popen		*	*	NO	however is ok by the Lua standard.	
io.read		*	*	NO	line in the second seco	
io.stderr		*	*	NO		
io.stdin		*	*	NO		
io.stdout		*	*	NO		
io.tmpfile		*	*	NO		
io.type		*	*	NO		
io.write		*	*	NO		
math.abs	_	*	*	*		
math.acos	-	*	*	*		
math.asin	-	*	*	*		
math.atan	-	*	*	*		
math.atan2	-	*	*	*		
			<u> </u>	1		

math.ceil	l -	*	*	*		
math.cos	-	*	*	*		
math.cosh	-	*	*	*		
math.deg	-	*	*	*		
math.exp	-	*	*	*		
math.floor	-	*	*	*		
math.fmod	-	*	*	*		
math.frexp	-	*	*	*		
math.huge	-	*	*	*		
math.ldexp	-	*	*	*		
math.log	-	*	*	*		
math.max	-	*	*	*		
math.min	-	*	*	*		
math.modf	-	*	*	*		
math.pi	-	*	*	*		
math.pow	-	*	*	*		
math.rad	-	*	*	*		
					Minor differences in accepted inputs (MoonSharp is more	
math.random	-	*	*	*	tolerant)	
math.randomseed	-	*	*	*		
math.sin	-	*	*	*		
math.sinh	-	*	*	*		
math.sqrt	-	*	*	*		
math.tan	-	*	*	*		
math.tanh	-	*	*	*		
os.clock		*	*	*		
					Running on Mono systems might lead to erroneous output due to	
os.date		*	*	*	a Mono bug (11817)	
os.difftime		*	*	*		
os.execute		*	*	NO		
os.exit		*	*	NO		
os.getenv		*	*	NO		
os.remove		*	*	NO		
os.rename		*	*	NO		
os.setlocale		*	*	NO	Unsupported, currently a stub	
os.time		*	*	*		
os.tmpname		*	*	NO		
					-	

package.config		*	*	*		
puonagoroomig					See "Loaders" in MoonSharp guide to see how to customize	
package.cpath					loading of scripts and packages	
package.loaded		*	*	*		
pro against a					See "Loaders" in MoonSharp guide to see how to customize	
package.loadlib					loading of scripts and packages	
					See "Loaders" in MoonSharp guide to see how to customize	
package.path					loading of scripts and packages	
					See "Loaders" in MoonSharp guide to see how to customize	
package.preload					loading of scripts and packages	
					See "Loaders" in MoonSharp guide to see how to customize	
package.searchers					loading of scripts and packages	
					See "Loaders" in MoonSharp guide to see how to customize	
package.searchpath					loading of scripts and packages	
			*		Character codes are cropped to 0-255. Use string unicode to	
string.byte		*	*	*	have the unicode code-point.	
string.char		*	*	*	Values > 255 are silently supported (as unicode codepoints)	
		*	*		Functions with upvalues raise an error as Lua 5.0 did and as Lua	
string.dump		*	*	*	5.2 should do according to documentation.	
			*	*	Implementation taken from KopiLua. Patterns cannot contain \0.	
string.find	L	^	*		Use %z instead.	
string.format	NO	*	*	*	Implementation taken from KopiLua.	tostring metamethod cannot yield.
atria a succetata		*	*	*	Implementation taken from KopiLua. Patterns cannot contain \0. Use %z instead.	
string.gmatch						
otring goub	NO	*	*	*	Implementation taken from KopiLua. Patterns cannot contain \0. Use %z instead.	Callback function (if used) cannot yield.
string.gsub	NO	*	*	*	USE 702 IIISIEdu.	Caliback function (if used) carmot yield.
string.len		*	*	*		
string.lower		*	*	*	I have a marketian taken from Maril 112 Detterms assured as 11/1/20	
atring match		*	*	*	Implementation taken from KopiLua. Patterns cannot contain \0. Use %z instead.	
string.match		*	*	*	USE 702 IIISTEAU.	
string.rep						
string.reverse		*	*			
string.sub		*	*	*		
admin according to		.	*	*	Works just as "string.byte" would do, but returns the unicode	
string.unicode		*	*	*	code-point without truncation.	
string.upper		*	*	*		
table.concat	NO	*	*	*		len cannot yield
table.insert	NO	*	*	*		len cannot yield
table.pack		*	*	*		

table.remove	NO	*	*	*	len cannot yield
table.sort	NO	*	*	*	lt,len and the comparison function cannot yield
table.unpack		*	*	*	