

MP attributes backends bit **bit32** blobs
boolean buffers builders caches **callback**
callbacks catcodes characters chemistry
commands containers context converters
coroutine ctxrunner **debug** dir directives
document documentdata environment **epdf**
experiments figures **file** floats **font**
fontloader fonts functions global graphics
gzip **img** interactions interfaces **io** jit job
lang languages layouts **lfs** libraries lmx
logs lpdf **lpeg** **ltn12** **lua** luatex lxml **math**
mathematics mbox **md5** metapost **mime**
moduledata modules mp **mplib** noads **node**
nodes number **os** **package** pagebuilders
parametersets pattern **pdf** pdfscanner
physics **profiler** publications regimes
resolvers scripts set **socket** sorters
statistics **status** storage streams **string**
structures **table** **tex** **texconfig** **texio**
thirddata **token** tokens tracers trackers
typesetters **unicode** url userdata utilities
vf visualizers xml **zip** **zlib**

ConT_EXt MkIV

global (alias: _G)

MP	table	environment	table
_LUAVERSION	number	epdf	table
_MAJORVERSION	number	error	function
_MINORVERSION	number	experiments	table
cldo	function	figures	table
arg	table	file	table
assert	function	floats	table
attributes	table	font	table
backends	table	fontloader	table
beginpage	function	fonts	table
bit	table	format_n	function
bit32	table	frozen	boolean
blobs	table	functions	table
boolean	table	gcinfo	function
border_set	boolean	getfenv	function
buffers	table	getmetatable	function
builders	table	getpos	function
caches	table	getreadfilename	function
callback	table	getvpos	function
callbacks	table	global	table
catcodes	table	graphics	table
characters	table	gzip	table
chemistry	table	img	table
collectgarbage	function	inspect	function
commands	table	interactions	table
containers	table	interfaces	table
context	function	io	table
context_applyprocessor	function	ipairs	function
context_firstofoneargument	function	jit	table
converters	table	job	table
coroutine	table	lang	table
ctxrunner	table	languages	table
debug	table	layouts	table
delta	number	lfs	table
dimen	function	libraries	table
dir	table	lmx	table
directives	table	lmxconvert	function
document	table	lmxnew	function
documentdata	table	load	function
dofile	function	loadfile	function
endpage	function	loadstring	function

logs	table	publications	table
lp_fastpos_n	userdata	rawequal	function
lp_fastpos_p	userdata	rawget	function
lpdf	table	rawlen	function
lpeg	table	rawset	function
ltn12	table	regimes	table
lua	table	report_characters	function
luatex	table	require	function
lxml	table	resolve_fences	function
marknocite	function	resolvers	table
math	table	scripts	table
mathematics	table	select	function
mbox	table	set	table
md5	table	setcharacteralign	function
metapost	table	setfenv	function
mime	table	setinspector	function
module	function	setmetatable	function
moduledata	table	socket	table
modules	table	sorters	table
mp	table	statistics	table
mplib	table	status	table
newline	function	storage	table
newproxy	function	streams	table
next	function	string	table
noads	table	stripmath	function
node	table	structures	table
nodes	table	swiglib	function
number	table	table	table
optionalrequire	function	tex	table
os	table	texconfig	table
outputpagestree	function	texio	table
package	table	thirddata	table
pagebuilders	table	toboolean	function
pairs	function	token	table
parametersets	table	tokens	table
pattern	table	tonumber	function
pcall	function	tostring	function
pdf	table	trace_characters	boolean
pdfborder	function	tracers	table
pdfscanner	table	trackers	table
physics	table	type	function
print	function	typesetters	table
profiler	table	unicode	table
protect	function	unpack	function

<code>url</code>	table
<code>userdata</code>	table
<code>utf</code>	table
<code>utilities</code>	table
<code>vf</code>	table
<code>visualizers</code>	table
<code>xml</code>	table
<code>xmlconvert</code>	function
<code>xpcall</code>	function
<code>zip</code>	table
<code>zlib</code>	table

attributes (context)

colorintents table

- N attribute
- D data
- F enable
- F handler
- F register
- D registered

colors table

- N attribute
- F cmyk
- F cmyktogray
- F cmyktorgb
- F colorcomponents
- B couple
- D data
- N default
- F defineintermediatecolor
- F definemixcolor
- F definemultitonecolor
- F defineprocesscolor
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- F forcedmodel
- F forcesupport
- F formatcolor
- F formatgray
- F gray
- F graytohsv
- F handler
- F hsvtorgay
- F hsvtorgb
- F iccprofile
- F isblack
- N main
- S model
- D models
- F mpcolor
- F mpnamedcolor

- F mpoptions
- U none
- F popset
- F processcolorcomponents
- F pushset
- F register
- D registered
- F registerspotcolor
- F rgb
- F rgbtocmyk
- F rgbtorgay
- F rgbtohsv
- N selector
- F setlist
- F setmodel
- D sets
- F spec
- F spot
- F spotcolorname
- F spotcolorparent
- F spotcolorvalue
- B supported
- F transparencycomponents
- B triggering
- F usecolors
- F value
- D values
- B weightgray

define

effects

function

table

- N attribute
- D data
- F enable
- F handler
- F register
- D registered
- D values

handlers

list

names

negatives

table

data table

data table

table

N attribute		F register
D data		D registered
F enable		F resolve_begin
F handler		F resolve_end
F register		F resolve_step
D registered		D scopes
numbers	data table	F setfeatures
ofnode	function	F start
private	function	F stop
public	function	B supported
showcurrent	function	D values
states	table	
F disabletriggering		
F enabletriggering		
F finalize		
F initialize		
F process		
F selective		
F stacked		
F stacker		
system	function	
transparencies	table	
N attribute		
D data		
F enable		
F forcesupport		
F handler		
U none		
F register		
D registered		
B supported		
B triggering		
F value		
D values		
unsetvalue	number	
viewerlayers	table	
N attribute		
D data		
F define		
F enable		
F forcesupport		
F handler		
B hasorder		
D listwise		

backends (context)

codeinjections table

F synchronizecolormodel

current string

defaults table

T codeinjections

F gethpos

F getmatrix

F getpos

F getvpos

F hasmatrix

T nodeinjections

T registrations

D tables

install function

nodeinjections table

F restore

F save

F transform

nothing function

pdf table

T codeinjections

F addbookmarks

F attachmentid

F clonefield

F definefield

F definefieldset

F defineviewerlayer

F embedfile

F enabletags

F exportformdata

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F gethpos

F getmatrix

F getoutputfilename

F getpos

F getpreviewfigure

F getvpos

F hasmatrix

F insertrenderingwindow

F mergereferences

F mergeviewerlayers

F prerollreference

F presetsymbol

F presetsymbollist

F processrendering

F registerdocumentcloseaction

F registerdocumentopenaction

F registeredsymbol

F registerpagecloseaction

F registerpageopenaction

F registersymbol

F setfieldcalculationset

F setfigurealternative

F setfigurecolorspace

F setfiguremask

F setformat

F setformsmethod

F setpagetransition

F setupcanvas

F setupidentity

F setxmpfile

F startlayer

F stoplayer

F supportedformats

F unicodetoactualtext

F useviewerlayer

F validfield

F validfieldcategory

F validfieldset

S comment

T nodeinjections

F addtags

F annotation

F attachfile

F changestackedlayer

F cmykcolor

F comment

F destination

F effect

- F graycolor
- F injectbitmap
- F insertmovie
- F insertsound
- F insertswf
- F insertu3d
- F knockout
- F negative
- F overprint
- F positive
- F reference
- F rgbcolor
- F spotcolor
- F startlayer
- F startstackedlayer
- F stoplayer
- F stopstackedlayer
- F transparency
- F typesetfield
- T registrations
 - F cmykindexcolor
 - F cmykspotcolor
 - F getspotcolorreference
 - F grayindexcolor
 - F grayspotcolor
 - F rgbindexcolor
 - F rgbspotcolor
 - F spotcolorname
 - F transparency

- T tables

- D vfspecials

registrations table

tables table

bit (context)

arshift	function
band	function
bnot	function
bor	function
bswap	function
bxor	function
lshift	function
rol	function
ror	function
rshift	function
tobit	function
tohex	function

bit32 (basic lua)

arshift	function
band	function
bnot	function
bor	function
btest	function
bxor	function
extract	function
lrotate	function
lshift	function
replace	function
rrotate	function
rshift	function

blobs (context)

append	function
dimensions	function
dispose	function
new	function
pack	function
strdp	function
strhd	function
strht	function
strwd	function
tohpack	function
tohpackfast	function
tonodes	function
tovpack	function
tovpackfast	function
write	function

boolean (context)

tocontext function

tonumber function

buffers (context)

append	function
assign	function
collectcontent	function
erase	function
exists	function
getcontent	function
getlines	function
loadcontent	function
parallel	table
F define	
F hassomecontent	
F next	
F place	
F reset	
F save	
prepend	function
raw	function

builders (context)

kernel table

- F hyphenation
- F kerning
- F ligaturing
- F mlist_to_hlist

paragraphs table

- T constructors
 - N attribute
 - F define
 - F disable
 - F enable
 - F handler
- T methods
 - F basic
 - F default
 - F oneline

- D names

- D numbers

- F set

- F start

- F stop

- T expansion

- F trace

- F kepttogether

- F registertogether

- T solutions

- T splitters

- F define

- F optimize

- T registered

- F reset

- F set

- F split

- F start

- F stop

- F tag

vspacing table

- F analyze

- D categories

- F collapsevbox

- T data

- D map

- D skip

- D snapmethods

- F definesnapmethod

- B fixed

- F pagehandler

- F resetprevdepth

- F setmap

- F setskip

- F snapbox

- F tocategories

- F tocategory

- F vboxhandler

caches (context)

ask	boolean
base	string
collapsecontent	function
configfiles	function
contentstate	function
defaults	table
define	function
direct	boolean
force	boolean
getfirstreadablefile	function
getfirstreadablefile_TEST_ME_FIRST	function
getreadablepaths	function
getwritablepath	function
hashed	function
is_writable	function
loadcontent	function
loaddata	function
more	string
relocate	boolean
savecontent	function
savedata	function
setfirstwritablefile	function
setluanames	function
tree	string
treehash	function
usedpaths	function

callback (basic tex)

find function

list function

register overloaded function

callbacks (context)

freeze	function
known	function
list	data table
pop	function
push	function
register	function
report	function

catcodes (context)

names	data table
numbers	data table
register	function

characters (context)

activeoffset	number	S B
adobename	function	S C
bidirectional	data table	S D
blockrange	function	S E
blocks	data table	S F
casemap	table	S G
categories	data table	S H
category	function	S I
categorytags	data table	S J
collapsed	data table	S K
combined	data table	S L
contextname	function	S M
data	data table	S N
decomposed	data table	S O
define	function	S P
description	function	S Q
descriptions	data table	S R
directions	table	S S
encodes	data table	S T
entities	data table	S U
fallbacks	data table	S V
filters	data table	S W
fromnumber	function	S X
fschars	data table	S Y
fscodes	data table	S Z
getrange	function	S Å
graphemes	data table	S Á
hangul	data table	S Â
initialize	function	S Ã
is_character	data table	S Ä
is_command	data table	S Å
is_letter	data table	S Æ
is_mark	data table	S Ç
is_punctuation	data table	S È
is_spacing	data table	S É
lcchars	data table	S Ê
lccode	function	S Ë
lccodes	data table	S Ì
lettered	function	S Í
lhash	table	S Î
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linebreaks	table	mirrors	table
S ai		otfscripts	data table
S al		ranges	data table
S b2		registerentities	function
S ba		remap_hangul_syllabe	function
S bb		setcodes	function
S bk		shape	function
S cb		shaped	function
S cj		shash	table
S cl		S Å	
S cm		S Á	
S cp		S Ă	
S cr		S Ą	
S ex		S Ǻ	
S gl		S Ǻ	
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S sp		S Ý	
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lower	function	S ă	
math	table	S ä	
mathpairs	data table	S å	

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S	shchars	data table
S	shcodes	data table
S	showstring	function
S	specialchars	data table
S	specials	data table
S	subscripts	table
S	superscripts	table
S	synonyms	data table
S	tex	table
S	D accentmapping	
S	D commandmapping	
S	F defineaccents	
S	F safechar	
S	F toutf	
S	F toutfpattern	
S	textclasses	table
S	tonumber	function
S	ucchars	data table
S	uccode	function
S	uccodes	data table
S	uhash	table
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chemistry (context)

component	function
define	function
definitions	data table
format	string
instance	string
molecule	function
moleculeparser	userdata
start	function
stop	function
structures	number
undefine	function

commands (context)

Alphabetic	function	assignbuffer	function
Character	function	attachproperty	function
Characters	function	autofinishstructurelevels	function
MPc	function	autonextspace	function
MPd	function	autonextstructurelevel	function
MPh	function	autosetups	function
MPll	function	autostarttext	function
MPlr	function	autostoptext	function
MPls	function	averagecharwidth	function
MPn	function	bcolumn	function
MPp	function	boolcase	function
MPpardata	function	boxtostring	function
MPplus	function	btx_a_f	function
MPpos	function	btx_a_i	function
MPposset	function	btx_a_j	function
MPr	function	btx_a_s	function
MPrest	function	btx_a_v	function
MPrs	function	btxabbreviatedjournal	function
MPul	function	btxaddfield	function
MPur	function	btxaddjournal	function
MPw	function	btxauthor	function
MPx	function	btxauthorfield	function
MPxy	function	btxcollectlistentries	function
MPxywhd	function	btxdetail	function
MPy	function	btxdoif	function
Romannumerals	function	btxdoifelse	function
abjadnodotnumerals	function	btxdoifnot	function
abjadnumerals	function	btxexpandedjournal	function
addbtxentry	function	btxfetchlistentries	function
addcounter	function	btxfield	function
addlinklistelement	function	btxflush	function
addreplacements	function	btxflushlistentries	function
addtojavascriptpreamble	function	btxhandlecite	function
addtolist	function	btxhandlenocite	function
allinputpaths	function	btxlistvariant	function
alphabetic	function	btxloadjournallist	function
analysefloatmethod	function	btxsavejournallist	function
analyzelist	function	btxsingularorplural	function
applytochars	function	buildtextaccent	function
applytofirstcharacter	function	character	function
applytowords	function	characters	function

chardescription	function	definechemical	function
checkcharactersinfont	function	defineconversion	function
checkcountersetup	function	definecounter	function
checkedconversion	function	definedviewerlayer	function
checkedpagefloat	function	definefallbackfamily	function
checktwopassdata	function	definefield	function
chemicalcomponent	function	definefieldset	function
chineseallnumerals	function	definefilefallback	function
chinesecapnumerals	function	definefilesynonym	function
chinesenumerals	function	definefont_one	function
cleanfontname	function	definefont_two	function
cleanupbox	function	definefontfamily	function
cleanuplayers	function	definefontfeature	function
clonefield	function	definefontsolution	function
collectfloat	function	defineinsertion	function
collecthelp	function	defineintermediatecolor	function
colorcomponents	function	definelabels	function
concatcommalist	function	definelanguage	function
consultfloat	function	definelinkedlist	function
convertbtxdatasettoxml	function	definemarking	function
converteddimen	function	definemetafont	function
copyposition	function	definemultitonecolor	function
cos	function	definernote	function
cosd	function	defineparallel	function
countervalue	function	defineparbuilder	function
counttwopassdata	function	defineprocesscolor	function
ctxfunction	function	defineprogram	function
currentcomponent	function	definereference	function
currentdate	function	defineregister	function
currentenvironment	function	definesectionlevels	function
currentproduct	function	defineselectfont	function
currentproject	function	definesnapmethod	function
currentreferencedefault	function	definespotcolor	function
currentreferenceorder	function	definestructureblock	function
currentregime	function	definestructureset	function
currentsectiontolist	function	definetransparency	function
datasetvariable	function	definetwopasslist	function
dayname	function	defineviewerlayer	function
deferredproperty	function	defrostrandomseed	function
defineattribute	function	depthnumber	function
definebreakpoint	function	digits	function
definebreakpoints	function	disableautofontscript	function
definecatcodetable	function	disableparbuilder	function
definecharacterspacing	function	disableregime	function

disablespellchecking	function	doifnotecontent	function
discardfromlist	function	doifnoteonsamepageasprevious	function
doanalyzeframedbox	function	doifobjectreferencefoundelse	function
doif	function	doifolderversionelse	function
doifblackelse	function	doifoverlappingelse	function
doifcommonelse	function	doifparentfileelse	function
doifcounter	function	doifpathexistelse	function
doifdimenstringelse	function	doifposition	function
doifdrawingblackelse	function	doifpositionelse	function
doifelse	function	doifpositiononpage	function
doifelsebuffer	function	doifpositionsonsamepageelse	function
doifelsecontinuewithfile	function	doifpositionsonthispageelse	function
doifelsecounter	function	doifurldefinedelse	function
doifelsecurrentfonthasfeature	function	doprocесstypescriptfile	function
doifelseintwopassdata	function	doreshapeframedbox	function
doifelsemarking	function	dostarttextfile	function
doifelsemessage	function	dostoptextfile	function
doifelsemultipar	function	ecolumn	function
doifelseparallel	function	elapsedtime	function
doifelsepositionsused	function	enableautofontscript	function
doifelserangeonpage	function	enablecolor	function
doifelserreference	function	enablecolorintents	function
doifelsesavedfloat	function	enablefontcolorschemas	function
doifelsespaces	function	enableparbuilder	function
doifelseutfmathabove	function	enableregime	function
doifelseutfmathaccent	function	enablespellchecking	function
doifelseutfmathbelow	function	enabletransparency	function
doifelsevisualizer	function	enhancelinkedlist	function
doiffielddcategoryelse	function	enhancelist	function
doiffielddelse	function	enhancereference	function
doiffielddsetelse	function	enhanceregister	function
doiffiledefinedelse	function	erasebuffer	function
doiffileexistelse	function	expandcurrentreference	function
doiffirstcharelse	function	exportformdata	function
doifinputfileelse	function	exportreferences	function
doifinsetelse	function	extendregister	function
doifleapyearelse	function	extensiblecode	function
doiflisthasentry	function	feature	function
doiflisthasnumberelse	function	featureattribute	function
doiflisthaspageelse	function	featurelist	function
doiflisthastitleelse	function	feedback	function
doiflocfileelse	function	fetchallmarks	function
doifnot	function	fetchmultipar	function
doifnotcounter	function	fetchmultishape	function

fetchonemark	function	getcommandline	function
fetchposboxes	function	getctxfile	function
fetchtwomarks	function	getcurrentprefixspec	function
figurefilename	function	getcurrentreferencemetadata	function
figurefilepath	function	getcurrentsectionlevel	function
figurefiletype	function	getdefaultfieldvalue	function
figurerequest	function	getfieldcategory	function
figurestatus	function	getfirstcharacter	function
figureused	function	getfirsttwopassdata	function
figurevariable	function	getfloatvariable	function
filterdefaultreference	function	getfullsectionnumber	function
filterreference	function	getinternallistreference	function
finalizebox	function	getinternalreference	function
findtwopassdata	function	getlasttwopassdata	function
firstcountervalue	function	getmarking	function
firstinrange	function	getmessage	function
firstinset	function	getmpextensions	function
flushfloat	function	getnotestate	function
flushmarked	function	getplaceholderchar	function
flushnotes	function	getprivatechar	function
flushpostponedblocks	function	getprogram	function
flushpostponednotes	function	getrandomcounta	function
fontchar	function	getrandomcountb	function
fontcollectionclone	function	getrandomseed	function
fontcollectiondefine	function	getreadfilename	function
fontcollectionprepare	function	getsectionnumber	function
fontcollectionregister	function	getstructuredata	function
fontcollectionreport	function	getsubstring	function
fontcollectionreset	function	gettexbuffer	function
fontlookupgetkey	function	gettwopassdata	function
fontlookupgetkeyofindex	function	gettwopassdatalist	function
fontlookupinitialize	function	geturl	function
fontlookupnofound	function	grabbuffer	function
forceendjob	function	hboxtovbox	function
forcequitjob	function	helpaction	function
format	function	helpreference	function
formatcolor	function	hexstringtonumber	function
formatgray	function	horizontalcode	function
freezerandomseed	function	hour	function
from	function	hyphenatedlist	function
getbidimode	function	hyphenatedurl	function
getbuffer	function		
getbufferctxlua	function		D characters
getbuffermkvi	function		N lefthyphenmin
			D mapping

N righthyphenmin		manipulated	function
F setcharacters		markfonts	function
immediateproperty	function	markingnumber	function
incrementedcounter	function	markingtitle	function
initializetexdirectives	function	markregionbox	function
initializetextrackers	function	math_frac	function
injectcurrentreference	function	mathrenderset	function
injectreference	function	maxitemwidth	function
inlinechemical	function	minute	function
insertattachment	function	mixcleanup	function
insertcomment	function	mixfinalize	function
insertfield	function	mixflushlist	function
insertionnumber	function	mixflushrest	function
insertrenderingwindow	function	mixgetsplit	function
insertsoundclip	function	mixsetsplit	function
installedlanguages	function	mixstate	function
installtexdirective	function	molecule	function
installtextracker	function	month	function
languagenumber	function	monthmnem	function
lastcountervalue	function	monthname	function
lchexnumber	function	mpcolor	function
lchexnumbers	function	mpoptions	function
leapyear	function	mprunvar	function
linenumbersstageone	function	namedstructureuservariable	function
linenumbersstagetwo	function	namedstructurevariable	function
listgroupindex	function	nbfs	function
listlabel	function	nextcountervalue	function
listlocation	function	nextparallel	function
listprefixednumber	function	nofdays	function
listprefixedpage	function	nofitems	function
listrealpage	function	nofstackedfloats	function
listsize	function	notedeltapage	function
listtitle	function	notelistindex	function
listuserdata	function	notenumberpage	function
loadbtxdefinitionfile	function	noteprefixednumber	function
loadexamodes	function	notesymbolpage	function
loadfontgoodies	function	notetitle	function
loadspellchecklist	function	ntimes	function
loadtypescriptfile	function	number	function
loadvisualizer	function	F C	
locatefilepath	function	F FL	
locfilename	function	F HL	
lower	function	F L	
makeactive	function	F LL	

F LuaSnippet	F XmlSnippetEntity
F LuaSnippetBoundary	F XmlSnippetEqual
F LuaSnippetComment	F XmlSnippetKey
F LuaSnippetName	F XmlSnippetName
F LuaSnippetNameBase	F XmlSnippetString
F LuaSnippetNameCore	F __flush
F LuaSnippetNameLibraries	F __flushdirect
F LuaSnippetQuote	F __flushlines
F LuaSnippetSpecial	F a
F LuaSnippetString	F addaskedblankskip
F ML	F addpredefinedblankskip
F MPLIBsetCtext	F applyprocessor
F MPLIBsetNtext	F b
F MPcolor	F beginhbox
F MetapostSnippet	F beginvbox
F MetapostSnippetBoundary	F bf
F MetapostSnippetComment	F bgroup
F MetapostSnippetConstructor	F blank
F MetapostSnippetName	F bold
F MetapostSnippetNameMetafun	F btxcheckboxlistcombi
F MetapostSnippetNamePlain	F btxcheckboxlistentry
F MetapostSnippetNamePrimitive	F btxciteauthorsetup
F MetapostSnippetQuote	F btxcitesetup
F MetapostSnippetSpecial	F btxcitevariantparameter
F MetapostSnippetString	F btxdirectlink
F NC	F btxhandlelistentry
F NR	F btxlistauthorsetup
F ParsedXmlSnippetCdata	F btxlistparameter
F ParsedXmlSnippetComment	F btxlistsetup
F ParsedXmlSnippetDoctype	F btxlistvariantparameter
F ParsedXmlSnippetElement	F btxmissing
F ParsedXmlSnippetInstruction	F btxsetauthorindex
F ParsedXmlSnippetKey	F btxsetauthorvariant
F ParsedXmlSnippetValue	F btxsetbacklink
F TexSnippet	F btxsetbacktrace
F TexSnippetBoundary	F btxsetcategory
F TexSnippetComment	F btxsetcitereference
F TexSnippetGroup	F btxsetcombis
F TexSnippetName	F btxsetconcat
F TexSnippetSpecial	F btxsetcount
F XmlSnippet	F btxsetdataset
F XmlSnippetBoundary	F btxsetfirst
F XmlSnippetCdata	F btxsetfirstnames
F XmlSnippetComment	F btxsetinitials

F btxsetinternal	T delayed
F btxsetjuniors	F digitsdigit
F btxsetlanguage	F digitsfinalcomma
F btxsetlistreference	F digitsfinalperiod
F btxsetoverflow	F digitshighspace
F btxsetsecond	F digitsintermediatecomma
F btxsetsurnames	F digitsintermediateperiod
F btxsettag	F digitsminus
F btxsetvons	F digitsnegative
F btxstartauthor	F digitsplus
F btxstartcite	F digitspositive
F btxstartciteauthor	F digitspower
F btxstartsubcite	F digitspowerminus
F btxstopauthor	F digitspowerplus
F btxstopcite	F digitsseparatorspace
F btxstopciteauthor	F digitssignspace
F btxstopsubcite	F digitsspace
F c	F digitsszeropadding
F callfunctiononce	F direct
F char	F dodisplayverbatimbeginline
F chardef	F dodisplayverbatimemptyline
F color	F dodisplayverbatiminitialize
F colordefagc	F dodisplayverbatimnewline
F colordefagt	F dodisplayverbatimstart
F colordefalc	F dodisplayverbatimstop
F colordefalt	F dofastdefinetypeface
F colordeffgc	F dofinishsomereference
F colordeffgt	F dofromfiledescription
F colordefflc	F dofromfileliteral
F colordefflt	F dofromurldescription
F colordefrgc	F dofromurlliteral
F colordefrgt	F doinlineverbatimbeginline
F colordefrlc	F doinlineverbatimemptyline
F colordefrlt	F doinlineverbatimnewline
F concat	F doinlineverbatimstart
F constructcs	F doinlineverbatimstop
F constructcsonly	F donestedtypingstart
F convertnumber	F donestedtypingstop
F ctxreport	F dostarttext
F d	F doverbatimspace
F darkblue	F egroup
F darkgreen	F emptyreference
F darkred	F enablemode
F definefontsynonym	F endhbox

F endvbox	F stop
F environment	T nested
F expandreferencearguments	F markingcommand
F expandreferenceoperation	F markingseparator
F finalizeautostructurelevel	F newbox
F finishjob	F newcount
F firstofoneargument	F newdimen
F firstoftwoarguments	F newindexer
F fixedblankskip	F newmuskip
F flexibleblankskip	F newskip
F flushblankhandling	F newtexthandler
F flushboxregister	F newtoks
F flushnode	F newverbosetexthandler
F fntsetdefname	F nointerlineskip
F fntsetnopsiz	F normalatop
F fntsetsomenam	F normalover
F fntsetsomesiz	F overstrike
T formatted	F par
F fprint	F pdfliteral
T generics	F popcatcodes
S starttabulate	F poplogger
S stoptabulate	F printlines
F getlogger	F processfilemany
F getreferencestructureprefix	F processfilenone
F getvalue	F processfileonce
F glyph	F protect
F gobbleoneargument	T puretext
F goto	F pushcatcodes
F hrule	F pushlogger
F input	F registerentry
T knownfunctions	F registerfunction
F l	F registeronepage
F lateluafunction	F registerpagerange
F letvaluerelax	F registerseeword
F llap	F reservefunction
F loadfile	F rlap
F loadfoundtypescriptfile	F rotate
F luasetup	F runfile
F m	F secondoftwoarguments
F makelinenumber	F setblankcategory
T metafun	F setblankorder
F color	F setblankpenalty
T delayed	F setconditional
F start	F setfalsevalue

F sethboxregister	F stopcomponentindeed
F setsomevalue	F stopenvironmentindeed
F settabulateentry	F stopfontclass
F settabulatelastentry	F stophboxregister
F settracing	F stopproductindeed
F setupsystem	F stopprojectindeed
F setupwithargument	F stopreadingfile
F setvalue	F stopregisterentries
F setvboxregister	F stopregisterentry
F setxvalue	F stopregisteroutput
F space	F stopregisterpages
F sprint	F stopregistersection
F startLuaSnippet	F stopregisterseewords
F startMetapostSnippet	F stoptabulate
F startParsedXmlSnippet	F stoptext
F startTexSnippet	F stoptitle
F startXmlSnippet	F stopvboxregister
F startblankhandling	F stopxtitle
F startcolumns	F storenode
F startcomponentindeed	F synonymentry
F startenvironmentindeed	F tabulaterow
F startfontclass	F tabulaterowbold
F starthboxregister	F tabulaterowtyp
F startproductindeed	F tabulaterowtype
F startprojectindeed	F template
F startreadingfile	T templates
F startregisterentries	F texsetup
F startregisterentry	F tobuffer
F startregisteroutput	F tocontext
F startregisterpages	F tolines
F startregistersection	F unitsC
F startregisterseewords	F unitsN
F starttabulate	F unitsNspace
F starttext	F unitsNstart
F starttitle	F unitsNstop
F startvboxregister	F unitsO
F startxtitle	F unitsP
F stopLuaSnippet	F unitsPS
F stopMetapostSnippet	F unitsPU
F stopParsedXmlSnippet	F unitsPUS
F stopTexSnippet	F unitsQ
F stopXmlSnippet	F unitsS
F stopblankhandling	F unitsU
F stopcolumns	F unitsUS

F unprotect	F vrule	
F unregisterfunction	F xmldataafter	
F usemodule	F xmldatabefore	
F utfchar	F xmldataobeyedline	
T verbatim	F xmldataobeyedspace	
F LuaSnippetBoundary	F xmlprocessbuffer	
F LuaSnippetComment	F xmlsetup	
F LuaSnippetName	numbers	function
F LuaSnippetNameBase	F C	
F LuaSnippetNameCore	F FL	
F LuaSnippetNameLibraries	F HL	
F LuaSnippetQuote	F L	
F LuaSnippetSpecial	F LL	
F LuaSnippetString	F LuaSnippet	
F MetapostSnippetBoundary	F LuaSnippetBoundary	
F MetapostSnippetComment	F LuaSnippetComment	
F MetapostSnippetConstructor	F LuaSnippetName	
F MetapostSnippetName	F LuaSnippetNameBase	
F MetapostSnippetNameMetafun	F LuaSnippetNameCore	
F MetapostSnippetNamePlain	F LuaSnippetNameLibraries	
F MetapostSnippetNamePrimitive	F LuaSnippetQuote	
F MetapostSnippetQuote	F LuaSnippetSpecial	
F MetapostSnippetSpecial	F LuaSnippetString	
F MetapostSnippetString	F ML	
F ParsedXmlSnippetCdata	F MPLIBsetCtext	
F ParsedXmlSnippetComment	F MPLIBsetNtext	
F ParsedXmlSnippetDoctype	F MPcolor	
F ParsedXmlSnippetElement	F MetapostSnippet	
F ParsedXmlSnippetInstruction	F MetapostSnippetBoundary	
F TexSnippetBoundary	F MetapostSnippetComment	
F TexSnippetComment	F MetapostSnippetConstructor	
F TexSnippetGroup	F MetapostSnippetName	
F TexSnippetName	F MetapostSnippetNameMetafun	
F TexSnippetSpecial	F MetapostSnippetNamePlain	
F XmlSnippetBoundary	F MetapostSnippetNamePrimitive	
F XmlSnippetCdata	F MetapostSnippetQuote	
F XmlSnippetComment	F MetapostSnippetSpecial	
F XmlSnippetEntity	F MetapostSnippetString	
F XmlSnippetEqual	F NC	
F XmlSnippetKey	F NR	
F XmlSnippetName	F ParsedXmlSnippetCdata	
F XmlSnippetString	F ParsedXmlSnippetComment	
F ctxreport	F ParsedXmlSnippetDoctype	
F viafile	F ParsedXmlSnippetElement	

F ParsedXmlSnippetInstruction	F btxsetauthorindex
F ParsedXmlSnippetKey	F btxsetauthorvariant
F ParsedXmlSnippetValue	F btxsetbacklink
F TexSnippet	F btxsetbacktrace
F TexSnippetBoundary	F btxsetcategory
F TexSnippetComment	F btxsetcitereference
F TexSnippetGroup	F btxsetcombis
F TexSnippetName	F btxsetconcat
F TexSnippetSpecial	F btxsetcount
F XmlSnippet	F btxsetdataset
F XmlSnippetBoundary	F btxsetfirst
F XmlSnippetCdata	F btxsetfirstnames
F XmlSnippetComment	F btxsetinitials
F XmlSnippetEntity	F btxsetinternal
F XmlSnippetEqual	F btxsetjuniors
F XmlSnippetKey	F btxsetlanguage
F XmlSnippetName	F btxsetlistreference
F XmlSnippetString	F btxsetoverflow
F __flush	F btxsetsecond
F __flushdirect	F btxsetsurnames
F __flushlines	F btxsettag
F a	F btxsetvons
F addaskedblankskip	F btxstartauthor
F addpredefinedblankskip	F btxstartcite
F applyprocessor	F btxstartciteauthor
F b	F btxstartsubcite
F beginhbox	F btxstopauthor
F beginvbox	F btxstopcite
F bf	F btxstopciteauthor
F bgroup	F btxstopsubcite
F blank	F c
F bold	F callfunctiononce
F btxchecklistcombi	F char
F btxchecklistentry	F chardef
F btxciteauthorsetup	F color
F btxcitesetup	F colordefagc
F btxcitevariantparameter	F colordefagt
F btxdirectlink	F colordefalc
F btxhandlelistentry	F colordefalt
F btxlistauthorsetup	F colordeffgc
F btxlistparameter	F colordeffgt
F btxlistsetup	F colordefflc
F btxlistvariantparameter	F colordefflt
F btxmissing	F colordefrgc

F colordefrgt	F doinlineverbatimimbeginline
F colordefrlc	F doinlineverbatimimemptyline
F colordefrlt	F doinlineverbatimimnewline
F concat	F doinlineverbatimimstart
F constructcs	F doinlineverbatimimstop
F constructcsonly	F donestedtypingstart
F convertnumber	F donestedtypingstop
F ctxreport	F dostartttext
F d	F doverbatimimspace
F darkblue	F egroup
F darkgreen	F emptyreference
F darkred	F enablemode
F definefontsynonym	F endhbox
T delayed	F endvbox
F digitsdigit	F environment
F digitsfinalcomma	F expandreferencearguments
F digitsfinalperiod	F expandreferenceoperation
F digitshighspace	F finalizeautostructurelevel
F digitsintermediatecomma	F finishjob
F digitsintermediateperiod	F firstofoneargument
F digitsminus	F firstoftwoarguments
F digitsnegative	F fixedblankskip
F digitsplus	F flexibleblankskip
F digitspositive	F flushblankhandling
F digitspower	F flushboxregister
F digitspowerminus	F flushnode
F digitspowerplus	F fntsetdefname
F digitsseparatorspace	F fntsetnopsiz
F digitssignspace	F fntsetsomenam
F digitsspace	F fntsetsomesiz
F digitszeropadding	T formatted
F direct	F fprint
F dodisplayverbatimimbeginline	T generics
F dodisplayverbatimimemptyline	S starttabulate
F dodisplayverbatimiminitialize	S stoptabulate
F dodisplayverbatimimnewline	F getlogger
F dodisplayverbatimimstart	F getreferencestructureprefix
F dodisplayverbatimimstop	F getvalue
F dofastdefinetypeface	F glyph
F dofinishsomereference	F gobbleoneargument
F dofromfiledescription	F goto
F dofromfileliteral	F hrule
F dofromurldescription	F input
F dofromurlliteral	T knownfunctions

F l	F registeronepage
F lateluafunction	F registerpagerange
F letvaluerelax	F registerseeword
F llap	F reservefunction
F loadfile	F rlap
F loadfoundtypescriptfile	F rotate
F luasetup	F runfile
F m	F secondoftwoarguments
F makelinenumber	F setblankcategory
T metafun	F setblankorder
F color	F setblankpenalty
T delayed	F setconditional
F start	F setfalsevalue
F stop	F sethboxregister
T nested	F setsomevalue
F markingcommand	F settabulateentry
F markingseparator	F settabulatelastentry
F newbox	F settracing
F newcount	F setupsystem
F newdimen	F setupwithargument
F newindexer	F setvalue
F newmuskup	F setvboxregister
F newskip	F setxxvalue
F newtexthandler	F space
F newtoks	F sprint
F newverbosehandler	F startLuaSnippet
F nointerlineskip	F startMetapostSnippet
F normalatop	F startParsedXmlSnippet
F normalover	F startTexSnippet
F overstrike	F startXmlSnippet
F par	F startblankhandling
F pdfliteral	F startcolumns
F popcatcodes	F startcomponentindeed
F poplogger	F startenvironmentindeed
F printlines	F startfontclass
F processfilemany	F starthboxregister
F processfilenone	F startproductindeed
F processfileonce	F startprojectindeed
F protect	F startreadingfile
T puretext	F startregisterentries
F pushcatcodes	F startregisterentry
F pushlogger	F startregisteroutput
F registerentry	F startregisterpages
F registerfunction	F startregistersection

F startregisterseewords
 F starttabulate
 F starttext
 F starttitle
 F starttvboxregister
 F startxtitle
 F stopLuaSnippet
 F stopMetapostSnippet
 F stopParsedXmlSnippet
 F stopTexSnippet
 F stopXmlSnippet
 F stopblankhandling
 F stopcolumns
 F stopcomponentindeed
 F stopenvironmentindeed
 F stopfontclass
 F stophboxregister
 F stopproductindeed
 F stopprojectindeed
 F stopreadingfile
 F stopregisterentries
 F stopregisterentry
 F stopregisteroutput
 F stopregisterpages
 F stopregistersection
 F stopregisterseewords
 F stoptabulate
 F stoptext
 F stoptitle
 F stopvboxregister
 F stopxtitle
 F storenode
 F synonymentry
 F tabulaterow
 F tabulaterowbold
 F tabulaterowtyp
 F tabulaterowtype
 F template
 T templates
 F texsetup
 F tobuffer
 F tocontext
 F tolines
 F unitsC

F unitsN
 F unitsNspace
 F unitsNstart
 F unitsNstop
 F unitsO
 F unitsP
 F unitsPS
 F unitsPU
 F unitsPUS
 F unitsQ
 F unitsS
 F unitsU
 F unitsUS
 F unprotect
 F unregisterfunction
 F usemodule
 F utfchar
 T verbatim
 F LuaSnippetBoundary
 F LuaSnippetComment
 F LuaSnippetName
 F LuaSnippetNameBase
 F LuaSnippetNameCore
 F LuaSnippetNameLibraries
 F LuaSnippetQuote
 F LuaSnippetSpecial
 F LuaSnippetString
 F MetapostSnippetBoundary
 F MetapostSnippetComment
 F MetapostSnippetConstructor
 F MetapostSnippetName
 F MetapostSnippetNameMetafun
 F MetapostSnippetNamePlain
 F MetapostSnippetNamePrimitive
 F MetapostSnippetQuote
 F MetapostSnippetSpecial
 F MetapostSnippetString
 F ParsedXmlSnippetCdata
 F ParsedXmlSnippetComment
 F ParsedXmlSnippetDoctype
 F ParsedXmlSnippetElement
 F ParsedXmlSnippetInstruction
 F TexSnippetBoundary
 F TexSnippetComment

F TexSnippetGroup		popfloat	function
F TexSnippetName		popitaliccorrection	function
F TexSnippetSpecial		poplist	function
F XmlSnippetBoundary		popreferenceprefix	function
F XmlSnippetCdata		popregime	function
F XmlSnippetComment		popsectionblock	function
F XmlSnippetEntity		pos	function
F XmlSnippetEqual		posplus	function
F XmlSnippetKey		posstrut	function
F XmlSnippetName		postponenotes	function
F XmlSnippetString		poswhd	function
F ctxreport		posxy	function
F viafile		prefixedconverted	function
F vrule		prepareMPvariable	function
F xmlcdataafter		preparedfile	function
F xmlcdatabefore		presetsymbollist	function
F xmlcdataobeyedline		presettabulate	function
F xmlcdataobeyedspace		prevcountervalue	function
F xmlprocessbuffer		processbuffer	function
F xmlsetup		processcolorcomponents	function
objectnumber	function	processedfile	function
objectpage	function	processedfiles	function
octnumber	function	processfile	function
octstringtonumber	function	processfilemany	function
oneorange	function	processfilenone	function
ordinal	function	processfileonce	function
overloadbookmark	function	processlist	function
page_injections_flush_after	function	processregister	function
page_injections_flush_before	function	processsplit	function
page_injections_save	function	processsynonyms	function
pagestaterealpage	function	purefontname	function
parpos	function	pushfloat	function
pdfrotation	function	pushitaliccorrection	function
pdfstartmatrix	function	pushlist	function
pdfstartmirroring	function	pushreferenceprefix	function
pdfstartrotation	function	pushregime	function
pdfstartscaling	function	pushsectionblock	function
pdfstopmatrix	function	rawcharacter	function
pdfstopmirroring	function	rawcountervalue	function
pdfstoprotation	function	rawdate	function
pdfstopscaling	function	referencepagestate	function
percentageof	function	referencerealpage	function
pgfxcolorspec	function	registerattachment	function
placeparallel	function	registerbookmark	function

registerbuttons	function	restorecurrentattributes	function
registercatcodetable	function	restorenote	function
registercolor	function	romannumerals	function
registercolorintent	function	runbuffer	function
registeredviewerlayer	function	safechar	function
registerhelp	function	savebuffer	function
registeritemgroup	function	savecounter	function
registerlanguagefeatures	function	savecurrentattributes	function
registerlinenumbering	function	savedlistnumber	function
registermaintextcolor	function	savedlistprefixednumber	function
registernamespace	function	savedlisttitle	function
registerpostponedblock	function	savefloat	function
registerrendering	function	savemargindata	function
registersection	function	savenote	function
registersoundclip	function	saveobject	function
registerstructureprocessor	function	savepagedata	function
registersynonym	function	saveparallel	function
registertransparency	function	savestructureblock	function
registerunit	function	savetaggedtwopassdata	function
registerusedsynonym	function	savevopassdata	function
registeruserdata	function	savevariable	function
relatemarking	function	second	function
remapentity	function	selectstructureblock	function
removemissingcharacters	function	setbreakpoints	function
renderingvar	function	setbtxdataset	function
replacemissingcharacters	function	setbtxentry	function
replacepospxywhd	function	setcharacteralign	function
reportstructure	function	setcharactercasing	function
resavefloat	function	setcharactercleaning	function
resetcharacteralign	function	setcharactercodes	function
resetcounter	function	setcharacterkerning	function
resetfontfeature	function	setcharacterspacing	function
resetfontsolution	function	setcharacterstripping	function
resetmarking	function	setclosedocumentaction	function
resetmathattributes	function	setclosepageaction	function
resetmathitalics	function	setcolormodel	function
resetnullfont	function	setcounter	function
resetparallel	function	setdataset	function
resetprevdepth	function	setdigitsmanipulation	function
resetreference	function	setdirection	function
resetstructureprocessor	function	setdocumentenvironments	function
resettimer	function	setdocumentfilenames	function
restartcounter	function	setdocumentmodes	function
restorecounter	function	setdocumentmodules	function

setfigurelookuporder	function	setreferenceoperation	function
setfirstline	function	setregistermethod	function
setfontfeature	function	setreplacements	function
setfontofid	function	setsectionblock	function
setfontsolution	function	setsectionentry	function
setformat	function	setsectionlevel	function
setformsmethod	function	setsectionnumber	function
setinitial	function	setstructureblockstate	function
setinsertionlocation	function	settagcombination	function
setinterfaceconstant	function	settagdescription	function
setinterfaceelement	function	settagdescriptionsymbol	function
setinterfacemessage	function	settagfigure	function
setinterfacemessages	function	settaghighlight	function
setinterfacevariable	function	settagitemgroup	function
setinternalreference	function	settagproperty	function
setjobcomment	function	settagsorting	function
setlanguageexceptions	function	settagsynonym	function
setlanguagesynonym	function	settagtablecell	function
setlayer	function	settagtabulatecell	function
setmarking	function	setupbookmarks	function
setmathalphabet	function	setupcanvas	function
setmathalternate	function	setupcharacterspacing	function
setmathattribute	function	setupexport	function
setmathdirection	function	setupfontexpansion	function
setmathitalics	function	setupfontprotrusion	function
setmathstyle	function	setupidentity	function
setnextinternalreference	function	setupinsertion	function
setnextreferenceorder	function	setupitaliccorrection	function
setnotestate	function	setuplinenumbering	function
setnotesymbolpage	function	setvisual	function
setobject	function	setxmpfile	function
setopendocumentaction	function	showassignerror	function
setopenpageaction	function	showattributes	function
setowncounter	function	showbtxdatasetcompleteness	function
setpagestate	function	showbtxdatasetfields	function
setpagestaterealpageno	function	showbtxfields	function
setpagetransition	function	showcallbacks	function
setparbuilder	function	showchardata	function
setpos	function	showcounter	function
setrandomseed	function	showfontparameters	function
setrealign	function	showhyphenatedinlist	function
setrealspaces	function	showjustification	function
setreferencearguments	function	showmessage	function
setreferenceattribute	function	sin	function

sind	function	structurenumber	function
splitfilename	function	structuretitle	function
spotcolorname	function	structureuservariable	function
spotcolorparent	function	structurevariable	function
spotcolorvalue	function	strwd	function
startactualtext	function	subcountervalues	function
startchemical	function	synchronizecolormodel	function
startcolorset	function	synchronizemarking	function
startcomponent	function	synonymmeaning	function
startenvironment	function	synonymname	function
startfontsolution	function	taggedmathfunction	function
startparbuilder	function	tan	function
startproduct	function	tand	function
startproject	function	testcase	function
startregime	function	textime	function
startsectionlevel	function	thefirstcharacter	function
starttag	function	theremainingcharacters	function
starttext	function	thetexdefinition	function
startviewerlayer	function	transparencycomponents	function
stopactualtext	function	triggereffect	function
stopchemical	function	triggernegative	function
stopcolorset	function	truefilename	function
stopcomponent	function	typebuffer	function
stopenvironment	function	typefile	function
stopfontsolution	function	typestring	function
stopparbuilder	function	uchexnumber	function
stopproduct	function	uchexnumbers	function
stopproject	function	undefinechemical	function
stopregime	function	unicodechar	function
stopsectionlevel	function	unit	function
stoptag	function	unloadlanguage	function
stoptext	function	upper	function
stopviewerlayer	function	useMPLibrary	function
storejavascriptcode	function	useanyfile	function
storejavascriptpreamble	function	usebtxdataset	function
storenote	function	usecldfilename	function
storeregister	function	usecolors	function
strdp	function	usecomponent	function
strhd	function	useenvironment	function
strht	function	usefile	function
strip	function	usejavascriptpreamble	function
structureautocatcodedget	function	usejavascriptscripts	function
structurecatcodedget	function	uselibrary	function
structuregivencatcodedget	function	useluafile	function

uselua module	function	x_table_set_reflow_width	function
usemodules	function	year	function
usepath	function		
useproduct	function		
useproject	function		
usesubpath	function		
usesymbols	function		
usetexfile	function		
useurl	function		
usexmlfile	function		
usezipfile	function		
utfchar	function		
utfmathclass	function		
utfmathcommand	function		
utfmathcommandabove	function		
utfmathcommandbelow	function		
utfmathfiller	function		
utfmathstretch	function		
vboxlisttohbox	function		
verbose	function		
visual	function		
vspacing	function		
vspacingcollapse	function		
vspacingdefine	function		
vspacingsetamount	function		
vspacingsnap	function		
way	function		
weekday	function		
weekdayname	function		
writestatus	function		
x_table_c	function		
x_table_cleanup	function		
x_table_construct	function		
x_table_create	function		
x_table_flush	function		
x_table_init_construct	function		
x_table_init_reflow_height	function		
x_table_init_reflow_width	function		
x_table_next_row	function		
x_table_r	function		
x_table_reflow_height	function		
x_table_reflow_width	function		
x_table_set_construct	function		
x_table_set_reflow_height	function		

containers (context)

cleannname	function
content	function
define	function
is_usable	function
is_valid	function
read	function
usecache	boolean
write	function

converters (context)

A	function	octstringtonumber	function
AK	function	ordinal	function
Alphabetic	function	r	function
Character	function	rawcharacter	function
Characters	function	romannumerals	function
I	function	second	function
KA	function	sequences	data table
KR	function	textime	function
R	function	toabjad	function
RK	function	tochinese	function
Romannumerals	function	toroman	function
Word	function	upper	function
Words	function	verbose	table
a	function	D data	
abjadnodotnumerals	function	F translate	
abjadnumerals	function	weekday	function
alphabetic	function	word	function
character	function	words	function
characters	function	year	function
chineseallnumerals	function		
chineseapnumerals	function		
chinesenumerals	function		
chr	function		
chrs	function		
cn	function		
cn-a	function		
cn-c	function		
convert	function		
define	function		
hexstringtonumber	function		
hour	function		
i	function		
isleapyear	function		
leapyear	function		
lower	function		
maxchrs	function		
minute	function		
month	function		
nofdays	function		
number	function		
numbers	function		

coroutine (basic lua)

create	function
resume	function
running	function
status	function
wrap	function
yield	function

ctxrunner (context)

load	function
prepfiles	data table
resolve	function

debug (basic lua)

debug	function
getfenv	function
gethook	function
getinfo	function
getlocal	function
getmetatable	function
getregistry	function
getupvalue	function
getuservalue	function
setfenv	function
sethook	function
setlocal	function
setmetatable	function
setupvalue	function
setuservalue	function
traceback	function
upvalueid	function
upvaluejoin	function

dir (context)

collectpattern	function
current	function
expandname	function
found	function
glob	function
globfiles	function
globpattern	function
ls	function
makedirs	function
mkdirs	function
pop	function
push	function

directives (context)

data	data table
default	function
disable	function
enable	function
list	function
name	string
register	function
report	function
show	function
value	function

document (context)

arguments	data table
files	table
getargument	function
getfilename	function
options	table
T cmdline	
D environments	
D modes	
D modules	
T ctxfile	
D environments	
D modes	
D modules	
setargument	function
setdefaultargument	function
setfilename	function
variables	data table

environment (context)

argument	function	texroot	string
arguments	data table	truefilename	function
basicengines	data table	validengines	data table
currentrun	number		
default_texmfcnf	string		
engineflags	data table		
filename	string		
files	table		
filesynonyms	data table		
forcedruns	number		
getargument	function		
homedir	string		
initex	boolean		
initializearguments	function		
initializefilenames	function		
inputfilebarename	string		
inputfilename	string		
inputfilesuffix	string		
jobfilename	string		
jobfilesuffix	string		
kindofrun	number		
loadluafile	function		
luafile	function		
luafilechunk	function		
maxnofruns	number		
originalarguments	data table		
outputfilename	string		
ownbin	string		
ownmain	string		
ownname	string		
ownpath	string		
prerollrun	boolean		
rawarguments	data table		
reconstructcommandline	function		
relativepath	function		
setargument	function		
splitarguments	function		
suffix	string		
texfile	function		
texmfos	string		
texos	string		

epdf (extra tex)

Array	function
Dict	function
Object	function
PDFRectangle	function
open	function
type	function

experiments (context)

data	data table
default	function
disable	function
enable	function
list	function
name	string
register	function
report	function
show	function
value	function

figures (context)

applyratio	function
bases	data table
bitmapimage	function
boxnumber	number
cachepaths	data table
check	function
checkers	data table
converters	data table
current	function
defaultdepth	number
defaultheight	number
defaultsearch	boolean
defaultwidth	number
done	function
dummy	function
exists	data table
exists	function
formats	data table
found	data table
get	function
guess	function
hash	function
identifiers	data table
identify	function
images	table

- F boxes
- F check
- F checksize
- F clone
- F copy
- F immediatewrite
- F keys
- F new
- F node
- F ofindex
- F package
- F print
- F scan
- F serialize
- F totable
- F types

F write	
include	function
includers	data table
initialize	function
loaded	data table
localpaths	data table
magics	data table
mergegoodies	function
nofprocessed	number
order	data table
paths	data table
patterns	data table
pop	function
preferquality	boolean
programs	data table
push	function
registerpattern	function
registerresource	function
registersuffix	function
resources	data table
scale	function
setlookups	function
setorder	function
setpaths	function
suffixes	data table
used	data table

file (basic lua)

addsuffix	function
basename	function
checksum	function
collapsepath	function
copy	function
dirname	function
expandname	function
extname	function
is_qualified_path	function
is_readable	function
is_rootbased_path	function
is_writable	function
isreadable	function
iswritable	function
join	function
joinpath	function
loadchecksum	function
nameonly	function
nametotable	function
needs Updating	function
needsupdating	function
pathpart	function
readdata	function
removesuffix	function
replacesuffix	function
reslash	function
robustname	function
savechecksum	function
savedata	function
size	function
splitbase	function
splitname	function
splitpath	function
strip	function
suffix	function
suffixes	function
suffixesonly	function
suffixonly	function
syncmtimes	function

floats (context)

analysemethod	function
checkedpagefloat	function
collect	function
consult	function
flush	function
getvariable	function
nofstacked	function
pop	function
push	function
resave	function
save	function
stacked	function

font (basic tex)

current	function
define	function
each	function
fonts	table
frozen	function
getfont	overloaded function
id	function
max	function
nextid	function
read_tfm	function
read_vf	function
setfont	function

fontloader (extra tex)

apply_afmfile	function
apply_featurefile	function
close	function
fields	function
fullinfo	function
info	function
open	function
to_table	function
totable	function

fonts (context)

analyzers	table		F report
T features			F reset
N blwf			T vectors
N fina		constructors	table
N half		F aftercopyingcharacters	
N init		F applymanipulators	
N isol		F assignmathparameters	
N medi		B autocleanup	
N pref		F beforecopyingcharacters	
N pstf		D cache	
N rphf		F calculatyscale	
D initializers		F checkedfeatures	
D methods		F checkedfilename	
F setstate		F checkvirtualids	
T states		F cleanuptable	
N blwf		F collectprocessors	
N fina		D designsizes	
N half		D dontembed	
N init		F enhanceparameters	
N isol		N factor	
N mark		F finalize	
N medi		F getfeatureaction	
N pref		F hashfeatures	
N pstf		F hashinstance	
N rest		T hashmethods	
N rphf		F normal	
B useunicodemarks		F virtual	
checkers	table	F initializefeatures	
F getmissing		T keys	
F missing		T character	
cid	table	S depth	
F getmap		S height	
F loadfile		S italic	
collections	table	S width	
F checkenabled		T description	
F clonevector		T boundingbox	
F define		S depth	
T definitions		S height	
F prepare		S width	
F process		T parameters	
F registermain		S ascender	

S descender	S encodingbytes	
S designsize	S filename	
T expansion	S finalized	
S auto	S fontname	
S shrink	S format	
S step	S fullname	
S stretch	S hasitalics	
S extendfactor	S hasmath	
S factor	S mathitalics	
S hfactor	S mode	
S mathsize	S name	
T protrusion	S noglyphnames	
S auto	S nostackmath	
S quad	S psname	
S scaledpoints	S textitalics	
S scriptpercentage	S virtualized	
S scriptscriptpercentage	D loadedfonts	
S size	S namemode	
S slantfactor	F newfeatures	
S slantperpoint	F newhandler	
T spacing	N noffontsloaded	
S extra	N nofsharedfonts	
S shrink	N nofsharedhashes	
S stretch	N nofsharedvectors	
S width	N privateoffset	
T synonyms	F readanddefine	
S em	F registerfeature	
S ex	B resolvevirtualtoo	
S extra_space	F scale	
S extraspace	F scaled	
S slant	F setfactor	
S space	F setname	
S space_shrink	B sharefonts	
S space_stretch	F trytosharefont	
S spaceshrink	N version	
S spacestretch	current	function
S x_height	currentid	function
S units	definers	table
S vfactor	F addlookup	
S xheight	F analyze	
T properties	F applypostprocessors	
S autoitalicamount	F checkedmode	
T cidinfo	F checkedscript	
S embedding	F current	

- S defaultlookup
- F define
- F getspecification
- F internal
- F loadfont
- F makespecification
- T methods
 - F install
 - D variants
- F read
- F register
- F registered
- F registersplit
- F resetnullfont
- F resolve
- T resolvers
 - F file
 - F name
 - F spec

definetypeface function
encodings table

- T agl
- D cache
- F is_known
- D known
- F load
- F make_unicode_vector
- D math
- N version

expansions data table

formats data table

goodies table

- D colorschemes
- D data
- D designsizes
- D filenames
- F getcompositions
- T list
 - F compositions
 - F designsizes
 - F expansions
 - F featureset
 - F filenames
 - F files

- F mathematics
- F protrusions
- F solutions
- F treatments
- F typefaces
- F load
- F prepare_features
- F register
- F registerpostprocessor
- F report

handlers table

- T afm
- B addkerns
- B addligatures
- B addtexligatures
- B autoprefixed
- D cache
- D features
- T helpdata
 - D bothkerned
 - D leftkerned
 - D ligatures
 - D rightkerned
 - D texligatures
- F load
- F setfeatures
- B syncspace
- N version
- T otf
 - F addfeature
 - D cache
 - T chainhandlers
 - F normal
 - F verbose
 - F collectlookups
 - F dataset
 - S defaultbasealternate
 - S defaultnodealternate
 - D enhancers
 - D features
 - F fileformat
 - F getalternate
 - T glists
 - T handlers

F contextchain	D math	
F devanagari_remove_joiners	D predefined	
F devanagari_reorder_matras	D whatever	
F devanagari_reorder_pre_base_reordering_consonants	hashes	table
F devanagari_reorder_reph	D characters	
F gpos_context	D csnames	
F gpos_contextchain	D descriptions	
F gpos_cursive	D dynamics	
F gpos_mark2base	D emwidths	
F gpos_mark2ligature	D exheights	
F gpos_mark2mark	D extensibles	
F gpos_pair	D features	
F gpos_single	D identifiers	
F gsub_alternate	D italics	
F gsub_context	D lastmathids	
F gsub_contextchain	D marks	
F gsub_ligature	D parameters	
F gsub_multiple	T processes	
F gsub_reversecontextchain	D properties	
F gsub_single	D quads	
F load	D resources	
F scriptandlanguage	T setdynamics	
F setcontextchain	D spaces	
F setdynamics	D spacings	
F setfeatures	D unicodes	
T statistics	D xheights	
D usedfeatures	helpers	table
T tables	F addprivate	
D baselines	F dimenfactor	
D features	F expandglyph	
D languages	F fontpatternhassize	
D scripts	F getdigitwidth	
N version	F getparameters	
T pfb	F getprivatenode	
T tfm	F hasprivate	
D features	F name	
F setfeatures	F nametoslot	
T vf	F setdigitwidth	
T combinations	F splitfontpattern	
F combine	iterators	table
T combiner	F characters	
D commands	F descriptions	
F find	F glyphs	
D helpers	loggers	table

F add_placeholders		nulldata	data table
T category_to_placeholder		protrusions	data table
S ll		readers	table
S lm		F afm	
S lo		F check_lua	
S lt		F check_tfm	
S lu		F dfont	
S mc		F lua	
S me		F opentype	
S mn		F otf	
S nd		F pfb	
S nl		D sequence	
S no		F tfm	
S pc		F ttc	
S pd		F ttf	
S pe		select	table
S pf		T data	
S pi		F definetypeface	
S po		T fallbacks	
S ps		F filterinput	
S sc		T methods	
S sk		F default	
S sm		F features	
S so		F file	
F format		F goodies	
F onetimemessage		F name	
F register		F selectfont	
F reportdefinedfonts		F simplefonts	
F reportusedfeatures		F spec	
mappings	table	F style	
F addtounicode		F registerfallback	
F fromunicodel6		F searchfiles	
F loadfile		specifiers	table
F loadline		D contextmerged	
F loadlumtable		F contextnumber	
F makenameparser		D contextnumbers	
F reset		D contextsetups	
F tounicodel6		F contexttostring	
F tounicodel6sequence		F definecontext	
mp	table	F mergecontext	
D cache		F presetcontext	
B inline		F registercontext	
N version		F showcontext	
names	data table	F splitcontext	

D synonyms	
D variants	
symbols	table
F uselibrary	
tables	table
tracers	table
treatments	table
F applyfixes	
D data	
S filename	
F ignoredfile	
F report	
F trace	
typefaces	data table

functions (context)

dummy function

graphics (context)

backgrounds table

F calculatemultipar

F fetchmultipar

F pair

F path

F point

gzip (extra lua)

close	function
lines	function
load	function
open	function
save	function
suffix	function

img (basic tex)

boxes	function
check	function
checksize	function
clone	function
copy	function
immediatewrite	function
keys	function
new	function
node	function
ofindex	function
package	function
print	function
scan	function
serialize	function
totable	function
types	function
write	function

interactions (context)

attachments data table

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F setupidentity

help table

F collect

F reference

F register

javascripts table

F addtopreamble

F code

D codes

F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedlists data table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocument

F setclosepage

F setopendocument

F setopenpage

renderings data table

soundclips data table

interfaces (context)

addvalidkeys	function
cachedsetups	data table
cachesetup	function
checkedspecification	function
complete	data table
constants	data table
corenamespaces	data table
definecommand	function
doifelsemessage	function
elements	data table
formats	data table
getcheckedparameters	function
getmessage	function
hashedsetups	data table
interfacedcommand	function
interfaces	table
invalidkey	function
is_command	function
namespaces	table
F define	
F list	
registernamespace	function
setconstant	function
setelement	function
setformat	function
setmessage	function
setmessages	function
settranslation	function
setuserinterface	function
setvalidkeys	function
setvariable	function
showmessage	function
syntax	data table
tolist	function
translations	data table
variables	data table

io (basic lua)

ask	function
bytes	function
characters	function
close	function
exists	function
fileseparator	string
flush	function
i_limiter	function
i_limiters	table
T paranoid	
input	function
limiter	function
lines	function
loadchunk	function
loaddata	function
loadlines	function
noflines	function
o_limiter	function
o_limiters	table
T paranoid	
open	overloaded function
output	function
pathseparator	string
popen	overloaded function
read	function
readall	function
readnumber	function
readstring	function
savadata	function
size	function
stderr	userdata
stdin	userdata
stdout	userdata
tmpfile	function
type	function
write	function

jit (context)

arch	string
attach	function
flush	function
off	function
on	function
opt	table
F start	
os	string
status	function
util	table

F funcbc
F funcinfo
F funcn
F funcuvname
F ircalladdr
F traceexitstub
F traceinfo
F traceir
F tracek
F tracemc
F tracesnap

version	string
version_num	number

job (context)

comment function

datasets table

D collected

F extend

F getdata

F setdata

D tobesaved

disablesave function

files table

D collected

F context

B forcerun

F run

D tobesaved

initialize function

load function

loadother function

objects table

D collected

F get

F number

F page

F save

F set

D tobesaved

pack boolean

packversion number

pagestates table

D collected

F extend

F realpage

F setstate

D tobesaved

passes table

F check

D collected

F count

F define

F find

F first

F get

F getcollected

F getdata

F getfield

F gettobesaved

F inlist

F last

F list

F save

F savetagged

D tobesaved

positions table

F b_col

F b_region

F c

D collected

F column

F copy

F depth

F e_col

F e_region

F enhance

F extra

F get

F getreserved

F hangafter

F hangindent

F height

F hsize

F leftskip

F lowerleft

F lowerright

F markregionbox

F n

F onsamepage

F overlapping

F p

F page

F paragraph

F parindent

F position

F r

- F region
- F replace
- F rightskip
- F set
- F setall
- F setdim
- D tobesaved
- F upperleft
- F upperright
- F width
- F x
- F xy
- F y
- register** function
- save** function
- structure** table
- D collected
- T components
- T tobesaved
- T branches
- S name
- S type
- variables** table
- D checksums
- D collected
- F getchecksum
- F makechecksum
- F restore
- F save
- F setchecksum
- D tobesaved
- version** number

lang (basic tex)

clean	function
clear_hyphenation	function
clear_patterns	function
exceptions	function
hyphenate	function
hyphenation	function
id	function
new	function
patterns	function
postexhyphenchar	function
posthyphenchar	function
preexhyphenchar	function
prehyphenchar	function

languages (context)

associate	function	F found
associated	data table	F load
association	function	T methods
counters	data table	N threshold
current	function	
data	data table	
define	function	
frequencies	table	
	F averagecharwidth	
	F getdata	
getnumber	function	
hyphenate	function	
installed	function	
labels	table	
	F define	
	F split	
lefthyphenmin	function	
loadable	function	
loadwords	function	
logger	table	
	F report	
numbers	data table	
posthyphenchar	function	
prehyphenchar	function	
registered	data table	
replacements	table	
	F add	
	F handler	
	F set	
righthyphenmin	function	
setexceptions	function	
setsynonym	function	
unload	function	
version	number	
words	table	
	F check	
	T data	
	F disable	
	F enable	
	T enablers	
	B enables	

layouts (context)

status table

F isleftpage

F leftorrightpagection

lfs (extra lua)

attributes	function
chdir	function
currentdir	function
dir	function
isdir	overloaded function
isfile	overloaded function
lock	function
lock_dir	function
mkdir	function
makedirs	function
readlink	function
rmdir	function
setmode	function
shortname	function
symlinkattributes	function
touch	function
unlock	function

libraries (context)

basiclua	data table
basictex	data table
builtin	data table
extralua	data table
extratex	data table
functions	data table
globals	data table

lmx (context)

color function
convert function
convertfile function
convertstring function
einject function
eprint function
escape function
finalized function
finject function
fprint function
get function
getvariables function
htmfile function
html table

F a

F td

F th

include function
inherited table

S color-background-four

S color-background-one

S color-background-three

S color-background-two

S title

initialize function
inject function
lmxfile function
loadedfile function
new function
overloaderror function
popupfile function
print function
pv function
report function
reset function
result function
set function
show function
showdebuginfo function
showerror function
stripcss function

tv function
type function
urlescape function
variable function
variables table

S color-background-blue

S color-background-body

S color-background-green

S color-background-main

S color-background-purple

S color-background-yellow

S title-default

logs (context)

application	function
categories	function
direct	function
disable	function
enable	function
exporters	table
extendbanner	function
flush	function
help	function
messenger	function
new	function
newline	function
poptarget	function
pushtarget	function
report	function
reportbanner	function
reporter	function
reporters	table

F banner

F export

F help

F info

F lines

F version

reportline	function
reportlines	function
setformats	function
setformatters	function
setlogfile	function
setmessenger	function
setprocessor	function
setprogram	function
settarget	function
settimedlog	function
settranslations	function
show	function
show_close	function
show_load	function
show_open	function
simple	function
simpleline	function

simplelines	function
start_page_number	function
status	function
stop_page_number	function
subdirect	function
subreport	function
system	function
texerrormessage	function
writer	function

lpdf (context)

action	function	gethpos	function
adddocumentcolorspace	function	getmatrix	function
adddocumenttextgstate	function	getpos	function
adddocumentpattern	function	getvpos	function
adddocumentshade	function	graycode	function
addtocatalog	function	hasmatrix	function
addtoinfo	function	id	function
addtonames	function	injectxmpinfo	function
addtopageattributes	function	insertxmpinfo	function
addtopageresources	function	layerreference	function
addtopagesattributes	function	limited	function
addxmpinfo	function	linearshade	function
annotationspecification	function	nametree	function
array	function	null	function
boolean	function	number	function
border	function	pagedestinations	data table
checkedkey	function	pagereference	function
checkedvalue	function	pagereferences	data table
circularshade	function	pdfcolor	function
cmykcode	function	pdftimestamp	function
collectedresources	function	protectresources	boolean
color	function	rectangle	function
colorspace	function	reference	function
colorspaceconstants	data table	registerannotation	function
colorspec	function	registerdestination	function
colorvalue	function	registerdocumentfinalizer	function
colorvalues	function	registerpagefinalizer	function
constant	function	reserveobject	function
delayedobject	function	rgbcode	function
destinationspecification	function	rotationcm	function
dictionary	function	shareobject	function
epdf	table	shareobjectreference	function
F expand		spotcode	function
F load		stream	function
finalizeddocument	function	string	function
finalizepage	function	timestamp	function
finishtransparencycode	function	toeight	function
flushobject	function	tosixteen	function
flushstreamfileobject	function	transform	function
flushstreamobject	function	transparency	function
formats	data table	transparencycode	function

transparencygroups

B none

transparencyvalue

unicode

verbose

table

function

function

function

lpeg (basic lua)

B	function	setmaxstack	function
C	function	split	function
Carg	function	splitat	function
Cb	function	splitter	function
Cc	function	stripper	function
Cf	function	times	function
Cg	function	tsplitat	function
Cmt	function	tsplitter	function
Cp	function	type	function
Cs	function	utfchartabletopattern	function
Ct	function	version	function
P	function		
R	function		
S	function		
UP	function		
UR	function		
US	function		
V	function		
afterprefix	function		
anywhere	function		
append	function		
balancer	function		
beforesuffix	function		
checkedsplit	function		
counter	function		
endstripper	function		
finder	function		
firstofsplit	function		
frontstripper	function		
instringchecker	function		
is_lpeg	function		
keeper	function		
locale	function		
match	function		
oneof	function		
patterns	data table		
pcode	function		
print	function		
ptree	function		
replacer	function		
secondofsplit	function		

ltn12 (extra lua)

BLOCKSIZE number

filter table

F chain

F cycle

pump table

F all

F step

sink table

F chain

F error

F file

F null

F simplify

F table

source table

F cat

F chain

F empty

F error

F file

F rewind

F simplify

F string

lua (basic tex)

bytecode	table
bytedata	data table
bytdone	table
collectgarbage	function
delay	function
finalize	function
firstbytecode	number
flush	function
flushdelayed	function
get_functions_table	function
getbytecode	function
getluaname	function
lastbytecode	number
mask	string
messages	data table
name	table
numbers	data table
registercode	function
registeredcodes	function
registerfinalizer	function
registername	function
setbytecode	function
setluaname	function
startupfile	string
version	string

luatex (context)

cleanuptempfiles	function
registerstartactions	function
registerstopactions	function
registertempfile	function
starttime	number

lxml (context)

addindex	function	getid	function
all	function	getindex	function
applyfunction	function	id	function
att	function	idsplitter	userdata
attribute	function	include	function
chainattribute	function	inclusion	function
checkindex	function	inclusions	function
collected	function	index	function
command	function	info	function
concat	function	inlineverbatim	function
concatrange	function	installsetup	function
content	function	last	function
context	function	load	function
convert	function	loadbuffer	function
count	function	loaddata	function
delete	function	loaded	table
direct	function	loadregistered	function
directives	table	main	function
F after		match	function
F before		name	function
F handle		namespace	function
F load		nonspace	function
F setup		pos	function
displayverbatim	function	position	function
doif	function	raw	function
doifelse	function	rawroot	function
doifelsetext	function	register	function
doifnot	function	registerentity	function
doifnottext	function	removesetup	function
doiftext	function	resetcdata	function
element	function	resetsetups	function
elements	function	resolvedentity	function
entities	data table	root	function
filter	function	save	function
filterlist	function	serialize	function
first	function	setaction	function
flush	function	setcdata	function
flushlinewise	function	setcommandtonone	function
flushsetups	function	setcommandtotext	function
flushspacewise	function	setsetup	function
get_id	function	snippet	function

sorters	table
F add	
F compare	
F flush	
F reset	
F show	
F sort	
splitid	function
startraw	function
stopraw	function
store	function
strip	function
stripped	function
tag	function
text	function
tofile	function
toparameters	function
toverbatim	function
verbatim	function
withindex	function
xmltexhandler	data table

math (basic lua)

abs	function
acos	function
asin	function
atan	function
atan2	function
ceil	function
cos	function
cosd	function
cosh	function
deg	function
div	function
even	function
exp	function
floor	function
fmod	function
frexp	function
huge	number
initialseed	number
ldexp	function
log	function
log10	function
max	function
min	function
mod	function
modf	function
odd	function
pi	number
pow	function
rad	function
random	function
randomseed	function
round	function
setrandomseedi	function
sin	function
sind	function
sinh	function
sqrt	function
tan	function
tand	function
tanh	function

mathematics (context)

addfallbacks	function	resetitalics	function
alphabets	data table	scaleparameters	function
alternatives	data table	setalternate	function
big	function	setitalics	function
boldmap	data table	sets	data table
categories	table	styles	data table
D functions		syncboth	function
charactersets	data table	syncname	function
checkaccentbaseheight	function	syncstyle	function
checkprivateparameters	function	toname	function
classes	data table	tostyle	function
codes	data table	tweakaftercopyingfont	function
define	function	tweakbeforecopyingfont	function
dimensions	function	tweaks	table
extensiblecode	function	utfmathaccent	function
extensibles	data table	utfmathclass	function
extrabase	number	utfmathcommand	function
extras	table	utfmathfiller	function
F add		utfmathstretch	function
F copy			
fallbacks	table		
F apply			
F install			
fallbackstyleattr	function		
families	data table		
gaps	data table		
getboth	function		
getstyle	function		
initializeparameters	function		
injectfallbacks	function		
makefont	function		
mapremap	data table		
overloaddimensions	function		
overloadparameters	function		
privatebase	number		
remapalphabets	function		
renderings	table		
D mappings			
D numbers			
D sets			
renderset	function		

mbox (context)

parse	function
parse_from	function
parse_header	function
parse_headers	function
parse_message	function
split_headers	function
split_mbox	function
split_message	function

md5 (extra lua)

HEX	function
crypt	function
dec	function
decrypt	function
exor	function
hex	function
sum	function
sumhexa	function

metapost (context)

analyzeplugins	function	getstatistics	function
checkformat	function	gettext	function
checktexts	function	graphic	function
collapse	boolean	graphic_base_pass	function
colorinitializer	function	initializescriptrunner	function
convert	function	instance	function
defaultformat	string	intermediate	table
defaultinstance	string	T actions	
defaultmethod	string	F makemyp	
directrun	function	lastlog	string
edefsxsy	function	load	function
escaped	function	makemyp	table
exectime	table	N nofconverted	
extensiondata	data table	F processgraphics	
filterclippath	function	F registerfile	
finder	function	metafun	table
flush	function	F interpolate	
flushers	table	F topath	
T pdf		method	number
F comment		mptopdf	table
F flushfigure		F convertmptstopdf	
F startfigure		N nofconverted	
F stopfigure		n	number
F textfigure		nvformat	function
flushliteral	function	optimize	boolean
flushnormalpath	function	parse	function
flushreset	function	pdf literals	function
fonts	table	pluginactions	function
F define		process	function
T flusher		processplugins	function
F flushfigure		processspecial	function
F startfigure		properties	table
F stopfigure		quickanddirty	function
N instances		reducetogray	boolean
F process		reporterror	function
format	function	reset	function
format_number	function	resetlastlog	function
format_string	function	resetplugins	function
formatnumber	function	runscript	function
getclippath	function	scripterror	function
getextensions	function	setextensions	function

setoutercolor	function
settext	function
showlog	boolean
svformat	function
tex	table
F get	
F reset	
F set	
texerrors	boolean
textextsdata	function
theclippath	function
totable	function
unload	function
untagvariable	function
variables	table

mime (extra lua)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

<code>_f_</code>	function
<code>boolean</code>	function
<code>format</code>	function
<code>number</code>	function
<code>numeric</code>	function
<code>pair</code>	function
<code>print</code>	function
<code>quadruple</code>	function
<code>quoted</code>	function
<code>string</code>	function
<code>triplet</code>	function

mplib (extra tex)

fields	function
finders	table
F file	
get_boolean	function
get_number	function
get_numeric	function
get_string	function
new	function
pen_info	function
preprocessed	function
version	function

noads (context)

handlers table

- F check
- F classes
- F collapse
- F families
- F italics
- F relocate
- F render
- F resize
- F showtree
- F tags
- F unscript
- F variants

process function

processors table

- T collapse
- F mlist_to_hlist
- T relocate
- T render
- T resize
- T unscript

node (basic tex)

copy	function	F protect_glyphs	
copy_list	function	F protrusion_skippable	
count	function	F remove	
current_attr	function	F set_attribute	
dimensions	function	F set_properties_mode	
direct	table	F setbox	
F copy		F setfield	
F copy_list		F setproperty	
F count		F slide	
F current_attr		F tail	
F dimensions		F todirect	
F do_ligature_n		F tonode	
F end_of_math		F toString	
F first_glyph		F traverse	
F flush_list		F traverse_id	
F flush_node		F unprotect_glyphs	
F flush_properties_table		F unset_attribute	
F free		F usedlist	
F get_properties_table		F vpack	
F getbox		F write	
F getchar		do_ligature_n	function
F getfield		end_of_math	function
F getfont		family_font	function
F getid		fields	function
F getleader		first_character	function
F getlist		first_glyph	function
F getnext		flush_list	function
F getprev		flush_node	function
F getproperty		flush_properties_table	function
F getsubtype		free	function
F has_attribute		get_properties_table	function
F has_field		getchar	function
F has_glyph		getfield	function
F hpack		getfont	function
F insert_after		getid	function
F insert_before		getleader	function
F is_direct		getlist	function
F is_node		getnext	function
F last_node		getprev	function
F length		getproperty	function
F new		getsubtype	function

has_attribute	function
has_field	function
has_glyph	function
hpack	function
id	function
insert_after	function
insert_before	function
is_node	function
kerning	function
last_node	function
length	function
ligaturing	function
mlist_to_hlist	function
new	function
next	function
prev	function
protect_glyphs	function
protrusion_skippable	function
remove	function
set_attribute	function
set_properties_mode	function
setfield	function
setProperty	function
slide	function
subtype	function
tail	function
tostring	function
traverse	function
traverse_id	function
type	function
types	function
unprotect_glyphs	function
unset_attribute	function
usedlist	function
vpack	function
whatsits	function
write	function

nodes (context)

accentcodes	data table	free_spec	function
aligned	function	getattr	function
append	function	getattribute	function
astable	function	getbox	function
basepoints	function	getchar	function
builders	table	getfield	function
F buildpage_filter		getfont	function
F vpack_filter		getid	function
codes	data table	getleader	function
concat	function	getlist	function
copy	function	getnext	function
copy_list	function	getprev	function
copy_spec	function	getskip	function
count	function	getsubtype	function
current_attr	function	gluecodes	data table
delete	function	glyphcodes	data table
destinations	table	glyphdir_is_equal	data table
N attribute		glyphdir_is_opposite	data table
T done		glyphdir_is_orthogonal	data table
F handler		gonuts	boolean
T stack		handlers	table
dimensionfields	data table	F accessibility	
dimensions	function	F alignbackgrounds	
dir_is_pop	data table	F backgrounds	
dir_negation	data table	F characters	
disccodes	data table	F checkforleaks	
discretionarycodes	data table	F checkglyphs	
do_ligature_n	function	F cleanupbox	
end_of_math	function	F cleanuppage	
fasthpack	function	F export	
fencecodes	data table	F finalize	
fields	function	F migrate	
fillcodes	data table	F protectglyphs	
first_character	function	F stripping	
first_glyph	function	F unprotectglyphs	
firstcharacter	function	has_attribute	function
firstcharinbox	function	has_field	function
firstglyph	function	has_glyph	function
flush_list	function	hpack	function
flush_node	function	idstosting	function
free	function	ignorablefields	data table

injections		load	
F getligaindex		locate	function
F handler		margincodes	data table
F installnewkern		markers	table
F reset		F get	
F setcursive		mathcodes	data table
F setkern		maxboxwidth	function
F setligaindex		mlist_to_hlist	function
F setmark		new	function
F setpair		noadcodes	data table
insert_after	function	nodecodes	data table
insert_before	function	nopts	function
insert_list_after	function	nuts	table
installattributehandler	function	F append	
is_direct	function	F concat	
is_display_math	function	F copy	
is_mirrored	data table	F copy_list	
is_node	function	F count	
is_nut	function	F current_attr	
is_rotated	data table	F delete	
kerncodes	data table	F dimensions	
kerining	function	F do_ligature_n	
keys	table	F end_of_math	
T whatsit		F fasthpack	
last_node	function	F first_glyph	
leftmarginwidth	function	F firstcharacter	
ligaturing	function	F firstcharinbox	
lines	table	F firstglyph	
T boxed		F flush_list	
F register		F flush_node	
F setup		F free	
F stage_one		F getattr	
F stage_two		F getattribute	
F stage_zero		F getbox	
D data		F getchar	
F finalize		F getfield	
F number		F getfont	
N scratchbox		F getid	
link	function	F getleader	
linked	function	F getlist	
list	function	F getnext	
listablefields	data table	F getprev	
listcodes	data table	F getprop	
listtoutf	function	F getskip	

F getsubtype	F pdfsave
F has_attribute	F pdfsetmatrix
F has_field	F penalty
F has_glyph	F register
F hpack	F rightmarginkern
F insert_after	F rightskip
F insert_before	F rule
F insert_list_after	F shrink
F is_direct	F special
F is_display_math	F stretch
F is_node	F temp
F is_nut	F textdir
F kerning	F usage
F last_node	T userids
F leftmarginwidth	N margins.inline
F ligaturing	N property
F link	N splitters.one
F linked	N splitters.two
F locate	F userlist
F mlist_to_hlist	F usernumber
F nestedtracedslide	F userstring
F new	F usertokens
T pool	F vlist
F baselineskip	F zeroglue
F cleanup	F prepend
F disc	F protect_glyphs
F fontkern	F protrusion_skippable
F glue	F reference
F gluespec	F remove
F glyph	F repackhlist
F hlist	F replace
F kern	F rightmarginwidth
F latelua	F set_attribute
F lateluafunction	F setattr
F leftmarginkern	F setattrtribute
F leftskip	F setattrtributes
F lineskip	F setbox
F negatedglue	F setfield
F noad	F setprop
F pdfannotation	F setunsetattributes
F pdfdestination	F slide
F pdfdirect	F somepenalty
F pdfliteral	F somespace
F pdfrestore	F tail

F takebox		D registered	
F tonode		D values	
F tonodes		F processor	
F tonut		points	function
F toString		pool	table
F tracedslide		F baselineskip	
F traverse		F cleanup	
F traverse_id		F glyph	
T typesetters		F kern	
F fast_hpack		F latelua	
F hpack		F lateluafunction	
F tohpack		F lineskip	
F tohpackfast		F pdfdirect	
F tonodes		F pdfliteral	
F tovpack		F pdfrestore	
F tovpackfast		F pdfsave	
F vpack		F pdfsetmatrix	
F unprotect_glyphs		F register	
F unset_attribute		F rule	
F unsetattribute		F special	
F unsetattributes		F usage	
F untracedslide		T userids	
F usedlist		N margins.inline	
F vianodes		N property	
F vianuts		N splitters.one	
F vpack		N splitters.two	
F writable_spec		F usernumber	
F write		prepend	function
packlist	function	print	function
pardir_is_equal	data table	processors	table
pardir_is_opposite	data table	B enabled	
pardir_is_parallel	data table	F hpack_filter	
partextdir_is_equal	data table	F post_linebreak_filter	
penaltycodes	data table	F pre_linebreak_filter	
plugindata	table	F tracer	
F finalizer		processwords	function
F initializer		properties	table
S name		T actions	
T namespace		F delayed	
N attribute		F fdelayed	
D data		F immediate	
F enable		F attach	
F handler		T data	
F register		F delayed	

protect_glyphs	function	F resetsamples	
protrusion_skippable	function	F takesample	
pts	function	somepenalty	function
reference	function	somespace	function
references	table	stripping	table
N attribute		T glyphs	
T done		F set	
F handler		striprange	function
T stack		tail	function
remove	function	takebox	function
repacklist	function	tasks	table
replace	function	F actions	
report	function	F appendaction	
rightmarginwidth	function	F disableaction	
rules	table	F disablegroup	
D data		F enableaction	
F define		F enablegroup	
F enable		F freeze	
F handler		F freezegroup	
save	function	F new	
serialize	function	F prependaction	
serializebox	function	F removeaction	
set_attribute	function	F restart	
setattr	function	F setaction	
setattribute	function	F showactions	
setattributes	function	F table	
setbox	function	texmdir_is_equal	data table
setfield	function	texmdir_is_is	data table
setunsetattributes	function	texmdir_is_opposite	data table
shifts	table	texmdir_is_parallel	data table
D data		tobasepoints	function
F define		tocentimeters	function
F enable		tociceros	function
F handler		todidots	function
show	function	todimen	function
showboxes	function	toinches	function
showcodes	function	tomillimeters	function
showlist	function	tonewciceros	function
showsimplelist	function	tonewdidots	function
skipcodes	data table	tonode	function
slide	function	tonodes	function
snapshots	table	tonut	function
F getparameters		topicas	function
F getsamples		topoints	function

toscaledpoints	function	F stop	
tosequence	function	T transparencies	
tostring	function	F reset	
totable	function	F set	
totree	function	F setlist	
toutf	function	traverse	function
tracers	table	traverse_id	function
T characters		typesetters	table
F collect		F hpack	
F equal		F tohpack	
F indices		F tohpackfast	
F start		F tonodes	
F string		F tovpack	
F unicodes		F tovpackfast	
T colors		F vpack	
F reset		unprotect_glyphs	function
F set		unset_attribute	function
F setlist		unsetattribute	function
F fontchar		unsetattributes	function
T frequencies		usedlist	function
F register		vianodes	function
T pool		vianuts	function
T nodes		visualizebox	function
F rule		visualizers	table
T nuts		F box	
F rule		F handler	
F resetproperties		F markfonts	
F rule		F setfont	
F setlist		F setlayer	
F setproperties		F setvisual	
F start		vpack	function
T steppers		whatcodes	data table
F check		whatsitcodes	data table
F codes		writable_spec	function
F features		write	function
F font			
F glyphs			
F message			
F messages			
F nofsteps			
F register			
F reset			
F start			
F stop			

number (context)

	function
basepoints	function
bit	function
bits	function
clearbit	function
dimenfactors	data table
formatted	function
hasbit	function
maxdimen	number
nopts	function
percent	function
points	function
pts	function
setbit	function
signed	function
sparseexponent	function
splitdimen	function
tobasepoints	function
tobitstring	function
tocentimeters	function
toxiceros	function
todidots	function
todimen	function
toevenhex	function
toinches	function
tomillimeters	function
tonewciceros	function
tonewdidots	function
tonumberf	function
tonumberg	function
topics	function
topoints	function
toscaled	function
toscaledpoints	function
toset	function
valid	function

os (basic lua)

__getenv__	function	uname	function
__setenv__	function	uuid	function
binsuffix	string	validdatetime	function
binsuffixes	table	weekday	function
clock	function	where	function
converttime	function	which	function
date	function		
difftime	function		
env	data table		
exec	overloaded function		
execute	overloaded function		
exit	function		
fulltime	function		
getenv	overloaded function		
gettimeofday	function		
isleapyear	function		
launch	function		
libsuffix	string		
localtime	function		
name	string		
nofdays	function		
now	function		
platform	string		
remove	function		
rename	function		
resolvers	table		
F bits			
resultof	function		
runtime	function		
selfdir	string		
setenv	overloaded function		
setlocale	overloaded function		
sleep	function		
spawn	overloaded function		
time	function		
times	function		
timezone	function		
tmpdir	function		
tmpname	function		
today	function		
type	string		

package (basic lua)

config	string
cpath	string
extralibpath	function
extralibpaths	function
extralupath	function
extralupaths	function
helpers	table
libpaths	function
loaded	table
loaders	table
loadlib	function
luapaths	function
path	string
preload	table
searchpath	function
seeall	function

pagebuilders (context)

injections table

F flushafter
F flushbefore
F save

mixedcolumns table

F cleanup
F finalize
F getlist
F getrest
F getsplit
F setsplit

pattern (context)

- 1 userdata
- 2 userdata
- 3 userdata

pdf (basic tex)

getcatalog	function
gethpos	function
getinfo	function
getmatrix	function
getnames	function
getpageattributes	function
getpageresources	function
getpagesattributes	function
getpos	function
gettrailer	function
getvpos	function
hasmatrix	function
immediateobj	function
mapfile	function
mapline	function
maxobjnum	function
obj	function
objtype	function
pageref	function
print	function
refobj	function
registerannot	overloaded function
reserveobj	function
setcatalog	overloaded function
setinfo	overloaded function
setnames	overloaded function
setpageattributes	overloaded function
setpageresources	overloaded function
setpagesattributes	overloaded function
settrailer	overloaded function

pdfscanner (context)

scan function

physics (context)

units table

D tables

profiler (extra lua)

pause function
resume function
start function
stop function

publications (context)

addtexentry	function	F flushentries	
analyze	function	T methods	
authors	table	F dataset	
F sorted		F force	
T sorters		F global	
F author		F local	
F splitstring		F nofregistered	
citevariants	table	F register	
F author		T sorters	
F authornum		F author	
F authoryear		F dataset	
F authoryears		F reference	
F category		F short	
F default		listvariants	table
F index		F bib	
F key		F default	
F num		F num	
F page		F page	
F serial		F short	
F short		F yes	
F tag		load	function
F type		loadbibdata	function
F year		loaders	table
collected	data table	F bib	
concatstate	function	F buffer	
converttoxml	function	F endnote	
datasets	table	F lua	
endnotes_to_btx	function	F refman	
enhance	function	F xml	
finder	function	markasupdated	function
getindex	function	new	function
journals	table	parenttag	function
F abbreviated		refman_to_btx	function
F add		resolvedname	function
F expanded		search	function
F load		singularorplural	function
F save		statistics	table
lists	table	N nofbytes	
F collectentries		N nofdatasets	
F fetchentries		N nofdefinitions	
F filterall		N nofshortcuts	

tracers**table**

T required

F addfield

T citevariants

T categories

T fields

T article

T listvariants

T optional

F showdatasetcompleteness

T required

F showdatasetfields

T book

F showfields

T optional

T required

T booklet

T optional

T required

T inbook

T optional

T required

T incollection

T optional

T required

T inproceedings

T optional

T required

T manual

T optional

T required

T mastersthesis

T optional

T required

T misc

T optional

T required

T patent

T optional

T required

T phdthesis

T optional

T required

T proceedings

T optional

T required

T techreport

T optional

T required

T unpublished

T optional

regimes (context)

cleanup	function
disable	function
enable	function
pop	function
process	function
push	function
toregime	function
translate	function

resolvers (context)

allprefixes	function	finders	data table
appendhash	function	findfile	function
automount	function	findfiles	function
automounted	table	findgivenfile	function
booleanvariable	function	findgivenfiles	function
cacheversion	string	findpath	function
checkedvariable	function	findtexfile	function
cleanpath	function	findwildcardfile	function
cleanpathlist	function	findwildcardfiles	function
concatinators	data table	formatofsuffix	function
configbanner	string	formatofvariable	function
criticalvars	data table	formats	data table
dangerous	data table	generators	data table
datastate	function	get_from_content	function
defaultsuffixes	table	getenv	function
dowithfilesandreport	function	getownpath	function
dowithfilesintree	function	getreadfilename	function
dowithpath	function	hashers	data table
dowithvariable	function	homedir	string
env	function	inputstack	table
executers	table	installinputfilehandler	function
F check		installinputlinehandler	function
F exec		instance	table
F execute		D data	
F finalize		B diskcache	
F popen		D environment	
F register		D expansions	
F spawn		D fakepaths	
expandbraces	function	D files	
expandedpathfromlist	function	B force_suffixes	
expandedpathlist	function	D found	
expandedpathlistfromvariable	function	D foundintrees	
expandpath	function	D hashed	
expandpathfromvariable	function	D hashes	
expansion	function	D lists	
extendtexmfvariable	function	B loadererror	
filtered_from_content	function	D order	
find_file	function	B remember	
find_files	function	B renewcache	
findbinfile	function	B renewtree	
findctxfile	function	B savelists	

D setups		registerfile	function
D specification		registerfilehash	function
D variables		registerintrees	function
jobs	table	registermethod	function
F currentcomponent		registerzipfile	function
F currentenvironment		relations	data table
F currentproduct		renew	function
F currentproject		repath	function
F justacomponent		reset	function
D processors		resetextrapath	function
F productcomponent		resetresolve	function
F usefile		resolve	function
joinpath	function	savers	data table
load	function	scandata	function
loadbinfile	function	scanfiles	function
loaders	data table	schemes	table
loadlualib	function	T cleaners	
loadtexfile	function	F md5	
loadtime	function	F none	
locateformat	function	F strip	
locators	data table	F cleanname	
luacnfname	string	F fetchstring	
luacnfspec	string	F fetchtable	
luacnfstate	string	F install	
macros	table	setenv	function
F convertfile		setinstance	function
F decodecomment		showpath	function
F enablecomment		simplescanfiles	function
F encodecomment		splitconfigurationpath	function
F preprocessed		splitexpansions	function
F processmk		splitmethod	function
F processmkvi		splitpath	function
F version		suffixes	data table
maxreadlevel	number	suffixmap	data table
methodhandler	function	suffixofformat	function
newinstance	function	texdatablob	function
openbinfile	function	toppath	function
openers	data table	unexpandedpath	function
openfile	function	unexpandedpathlist	function
opentexfile	function	unresolve	function
ownpath	string	updaterelations	function
prefixes	data table	updatescript	function
prependhash	function	usertypes	data table
registerextrapath	function	usezipfile	function

validatedpath	function
variable	function
variableofformat	function
variableofformatorsuffix	function
wildcardpattern	function

scripts (context)

autofontfeature table
 F disable
 F enable
 F handler

categorytonumber data table

colors data table

decomposehangul function

defaults table
 N inter_char_half_shrink_factor
 N inter_char_half_stretch_factor
 N inter_char_hangul_penalty
 N inter_char_quarter_shrink_factor
 N inter_char_quarter_stretch_factor
 N inter_char_shrink_factor
 N inter_char_stretch_factor
 N inter_word_stretch_factor

handlers data table

hash table

injectors data table

installdataset function

installmethod function

numbertocategory data table

numbertodataset data table

numbertohandler data table

reset function

set function

splitters data table

set (context)

contains function
create function
tolist function
tonumber function
totable function

socket (extra lua)

BLOCKSIZE	number	S connection
_DEBUG	boolean	S content-description
_SETSIZE	number	S content-disposition
bind	function	S content-encoding
choose	function	S content-id
connect	function	S content-language
connect4	function	S content-length
connect6	function	S content-location
dns	table	S content-md5
F getaddrinfo		S content-range
F gethostname		S content-transfer-encoding
F getnameinfo		S content-type
F tohostname		S date
F toip		S diagnostic-code
ftp	table	S dsn-gateway
S PASSWORD		S etag
N PORT		S expect
N TIMEOUT		S expires
S USER		S final-log-id
F command		S final-recipient
F get		S from
F open		S host
F put		S if-match
gettime	function	S if-modified-since
headers	table	S if-none-match
T canonic		S if-range
S accept		S if-unmodified-since
S accept-charset		S in-reply-to
S accept-encoding		S keywords
S accept-language		S last-attempt-date
S accept-ranges		S last-modified
S action		S location
S age		S max-forwards
S allow		S message-id
S alternate-recipient		S mime-version
S arrival-date		S original-envelope-id
S authorization		S original-recipient
S bcc		S pragma
S cache-control		S proxy-authenticate
S cc		S proxy-authorization
S comments		S range

S received
 S received-from-mta
 S references
 S referer
 S remote-mta
 S reply-to
 S reporting-mta
 S resent-bcc
 S resent-cc
 S resent-date
 S resent-from
 S resent-message-id
 S resent-reply-to
 S resent-sender
 S resent-to
 S retry-after
 S return-path
 S sender
 S server
 S smtp-remote-recipient
 S status
 S subject
 S te
 S to
 S trailer
 S transfer-encoding
 S upgrade
 S user-agent
 S vary
 S via
 S warning
 S will-retry-until
 S www-authenticate
 S x-mailer

http table

N PORT
 N TIMEOUT
 S USERAGENT
 F open
 F request

newtry function
protect function
select function
sink function

sinkt table

F close-when-done
 F default
 F http-chunked
 F keep-open

skip function

sleep function

smtp table

S DOMAIN
 N PORT
 S SERVER
 N TIMEOUT
 S ZONE
 F message
 F open
 F send

source function

sourcet table

F by-length
 F default
 F http-chunked
 F until-closed

tcp function

tcp6 function

tp table

N TIMEOUT
 F connect

try function

udp function

udp6 function

url table

F absolute
 F build
 F build_path
 F escape
 F parse
 F parse_path
 F unescape

sorters (context)

basicsorter function

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitsoffset

 N ignoredoffset

 N replacementoffset

 T validmethods

 B ch

 B mc

 B mm

 B pc

 B pm

 B uc

 B zc

 B zm

definitions data table

firstofsplit function

setlanguage function

sort function

splitters table

 F utf

strip function

tracers data table

update function

statistics (context)

checkfmtstatus	function
elapsed	function
elapsedindeed	function
elapsedseconds	function
elapsedtime	function
enable	boolean
formatruntime	function
hastiming	function
memused	function
register	function
resettiming	function
runtime	function
savefmtstatus	function
show	function
starttiming	function
stoptiming	function
threshold	number
timed	function
tracefunction	function

status (basic tex)

list function

storage (context)

allocate	function
data	table
mark	function
marked	function
max	number
min	number
nofmodules	number
noftables	number
register	function
shared	data table
strip	boolean
tofmodules	number
toftables	number

streams (context)

collect	function
disable	function
enable	function
flush	function
initialize	function
push	function
start	function
stop	function
synchronize	function

string (basic lua)

autodouble	function	tformat	function
autosingle	function	toboolean	function
booleanstring	function	tocontext	function
byte	function	todimen	function
bytepairs	function	tonodes	function
bytes	function	topattern	function
char	function	totable	function
characterpairs	function	toutf	function
characters	function	tracedchar	function
checkedsplit	function	tracedchars	table
collapsespaces	function	unquote	function
count	function	unquoted	function
dump	function	upper	function
escapedpattern	function	utfcharacters	function
explode	function	utfvalues	function
find	function	valid	function
format	function		
formatter	function		
formatters	function		
fullstrip	function		
gmatch	function		
gsub	function		
is_boolean	function		
is_empty	function		
itself	function		
len	function		
limit	function		
longtostring	function		
lower	function		
match	function		
nspaces	table		
optionalquoted	function		
quote	function		
quoted	function		
rep	function		
reverse	function		
split	function		
splitlines	function		
splitup	function		
strip	function		
sub	function		

structures (context)

atlocation	function	F setlevel	
blocks	table	F setoffset	
D collected		F setown	
F define		F setstate	
F print		F setvalue	
F save		T specials	
F select		F userpage	
F setstate		F subs	
D states		D tobesaved	
D tobesaved		F value	
bookmarks	table	currentsectionnumber	function
F finalize		descriptions	table
F flatten		documents	table
S method		D data	
F overload		F initialize	
F place		F preset	
F register		F reset	
F setup		floats	table
counters	table	formulas	table
F add		F current	
F analyze		F simplify	
F check		F store	
D collected		helpers	table
F compact		F analyze	
F converted		F formulanumber	
F currentvalue		F merged	
D data		F page	
F define		F prefix	
F first		F prefixlastpage	
F get		F prefixpage	
F last		F simplify	
F next		F title	
F prev		F touserdata	
F previous		inserts	table
F raw		D data	
F record		F define	
F reset		F getdata	
F restart		F getlocation	
F restore		F getname	
F save		F getnumber	
F set		F setlocation	

F setup	
D stored	
itemgroups	table
F maxwidth	
F nofitems	
F register	
lists	table
F addto	
F analyze	
B autoreorder	
D cached	
D collected	
F discard	
F enhance	
T enhancers	
F filter	
F filtercollected	
F formulainumber	
F groupindex	
F hasnumberdata	
F haspagedata	
F hastitledata	
F iscached	
F label	
F location	
F number	
D ordered	
F page	
F popnesting	
F prefix	
F prefixednumber	
F prefixedpage	
F process	
D pushed	
F pushnesting	
F realpage	
F reordered	
T result	
D sectionblocks	
F sectionnumber	
F size	
F title	
D tobesaved	
F userdata	

F uservalue	
marks	table
D data	
F define	
F exists	
F fetch	
F fetchallmarks	
F fetched	
F fetchonemark	
F fetchtwomarks	
F get	
F number	
F relate	
F reset	
F set	
F show	
F synchronize	
F title	
T tracers	
F showtable	
notes	table
F checkpagechange	
F define	
F doifonsamepageasprevious	
F get	
F getdeltapage	
F getn	
F getnumberpage	
F getstate	
F getsymbolpage	
F hascontent	
F internal	
F internalid	
F listindex	
F ordered	
F postpone	
F resetpostponed	
F restore	
F save	
F setstate	
F setsymbolpage	
D states	
F store	
pages	table

- F analyze
- D collected
- F is_odd
- N nopages
- F number
- F save
- D tobesaved

references

table

- F analyze
- F checkedfile
- F checkedfileorurl
- F checkedprogram
- F checkedrealpage
- F checkedurl
- D collected
- U componentsplitter
- F currentmetadata
- F currentorder
- D currentset
- F define
- D defined
- D derived
- F enableinteraction
- F enhance
- D executors
- F expandcurrent
- F export
- T files
 - T data
 - F define
 - F get
- F filter
- F filterdefault
- D filters
- D flaginternals
- F from
- F get
- F getcurrentmetadata
- F getcurrentprefixspec
- F getinnermethod
- F getinternallistreference
- F getinternalreference
- D handlers
- F identify

- F import
- F inject
- F injectcurrentset
- S innermethod
- D internals
- F load
- F loadpresets
- F mark
- D pages
- U prefixsplitter
- D productdata
- T programs
 - T data
 - F define
 - F get
- F realpageofpage
- U referencesplitter
- D referred
- F referredpage
- F registerfinalizer
- F registerinitializer
- F registerpage
- F reportproblems
- F reset
- D runners
- F set
- F setandgetattribute
- F setcomponent
- F setinnermethod
- F setinternalreference
- F setnextinternal
- F setnextorder
- D specials
- F splitcomponent
- F splitprefix
- F splitreference
- T testrunners
 - F inner
 - F special
 - F special operation
 - F special operation with arguments
- T testspecials
 - F deltapage
 - F i

- F internal
- F page
- F realpage
- F section
- F userpage
- D tobereferred
- D tobesaved
- T urls
 - T data
 - F define
 - F get
- D usedinternals
- D usedviews
- F valid
- F whatfrom

registers table

- F analyze
- D collected
- F compare
- F define
- F enhance
- F extend
- F filter
- F filtercollected
- F finalize
- F flush
- F prepare
- F process
- F setmethod
- F sort
- F store
- D tobesaved
- F unique
- F userdata

sections table

- F autodepth
- F cct
- D collected
- F current
- F currentblock
- F currentid
- F currentlevel
- F depthnumber
- F finddata

- F findnumber
- F fullnumber
- F getcurrentlevel
- F getlevel
- F getnumber
- F internalreference
- D levelmap
- D levels
- F load
- F matchingtilldepth
- F numberatdepth
- F numbers
- F popblock
- F prefixedconverted
- F pushblock
- F register
- D registered
- F reportstructure
- F save
- T sectionblockdata
 - T bodypart
 - S bookmark
- F set
- F setblock
- F setchecker
- F setentry
- F setlevel
- F setnumber
- F structuredata
- F title
- D tobesaved
- F typesetnumber
- F userdata
- B verbose

sets table

- F define
- F get
- F getall
- D setlist

specials table

- D collected
- F retrieve
- F store
- D tobesaved

synonyms

table

D taglist

T userdata

F analyzed
D collected
F compare
F define
F filter
F finalize
F flush
F meaning
F prepare
F process
F register
F registerused
F sort
F synonym
D tobesaved

tags

table

T data
F detailedtag
F getid
F handler
D labels
F last
F lastinchain
T metadata
D properties
F registerdata
F registermetadata
F restart
F setattributehash
F setcombination
F setdescription
F setdescriptionsymbol
F setfigure
F sethighlight
F setitemgroup
F setproperty
F setsorting
F setsynonym
F settablecell
F settabulatecell
F start
F stop

table (basic lua)

allkeys	function	sequenced	function
append	function	serialize	function
are_equal	function	setmetatablecall	function
autokey	function	setmetatableindex	function
compact	function	setmetatablekey	function
concat	function	setmetatablenewindex	function
contains	function	sort	function
copy	function	sorted	function
count	function	sortedhash	function
derive	function	sortedhashkeys	function
deserialize	function	sortedhashonly	function
drop	function	sortedindexonly	function
fastcopy	function	sortedkeys	function
fastserialize	function	sortedpairs	function
filtered	function	strip	function
flattened	function	sub	function
foreach	function	swapped	function
foreachi	function	tocontext	function
fromhash	function	tocsv	function
getmetatablekey	function	tofile	function
getn	function	tohandle	function
has_one_entry	function	tohash	function
identical	function	toxml	function
imerge	function	twowaymapper	function
imerged	function	unique	function
insert	function	unnest	function
is_empty	function	unpack	function
keys	function	values	function
load	function		
loweredkeys	function		
maxn	function		
merge	function		
merged	function		
mirrored	function		
pack	function		
prepend	function		
print	function		
remove	function		
reverse	function		
reversed	function		
save	function		

tex (basic tex)

attribute	table	isdefined	data table
badness	function	isdimen	function
box	table	isskip	function
catcode	table	istoken	function
conditionals	data table	lccode	table
constants	data table	linebreak	function
count	table	lists	table
ctdcatcodes	number	lua_math_random	function
ctxcatcodes	number	lua_math_randomseed	function
definefont	function	luacatcodes	number
delcode	table	mathcode	table
dimen	table	modes	data table
directives	data table	nest	table
enableprimitives	function	nilcatcodes	number
error	function	normal_rand	function
extraprimitives	function	notcatcodes	number
finish	function	number	function
fontidentifier	function	pdffontname	function
fontname	function	pdffontobjnum	function
fprint	function	pdffontsize	function
get	function	pdfpageref	function
getattribute	function	pdfxformname	function
getbox	function	primitives	function
getcatcode	function	print	function
getcount	function	printlist	function
getdelcode	function	prtcacodes	number
getdimen	function	romannumeral	function
getlccode	function	round	function
getlist	function	run	function
getmath	function	scale	function
getmathcode	function	set	function
getnest	function	set_experimental_code	function
getsfcode	function	setattribute	function
getskip	function	setbox	function
gettoks	function	setcatcode	function
getuccode	function	setcount	function
hashtokens	function	setdelcode	function
ifs	data table	setdimen	function
inicalcodes	number	setlccode	function
init_rand	function	setlist	function
iscount	function	setmath	function

setmathcode	function
setnest	function
setsfcode	function
setskip	function
settoks	function
setuccode	function
sfcode	table
shipout	function
show_context	function
skip	table
sp	function
sprint	function
systemmodes	data table
takebox	function
texcatcodes	number
toks	table
tpacatcodes	number
tpbcatcodes	number
tprint	function
trackers	data table
txtcatcodes	number
type	function
uccode	table
uniform_rand	function
uniformdeviate	function
uprint	function
vrbcacodes	number
write	function

texconfig (basic tex)

error_line	number
expand_depth	number
formatname	string
half_error_line	number
hash_extra	number
init	overloaded function
kpse_init	boolean
max_in_open	number
max_print_line	number
max_strings	number
nest_size	number
param_size	number
save_size	number
shell_escape	string
stack_size	overloaded number

texio (basic tex)

`write` function

`write_nl` function

token (basic tex)

command_id	function
command_name	function
create	function
csname_id	function
csname_name	function
expand	function
get_next	function
is_activechar	function
is_expandable	function
is_protected	function
lookup	function

tokens (context)

bgroup table

collectors table

 T data

 F defaultwords

 F dowithwords

 F flush

 F handle

 F install

 F register

 T registered

 T remapper

 F convert

 T data

 F store

 F show

 T show_methods

 F a

 F b

 F c

 F showtoken

 F test

 F trace

egroup table

hbox table

letter function

letters function

other function

vbox table

vtop table

tracers (context)

count	function
cs	function
dimen	function
knownlist	function
lists	table

T context

T internals

T scratch

name	function
primitive	function
prnterror	function
showlines	function
strings	table

S undefined

toks	function
type	function

trackers (context)

data	data table
default	function
disable	function
dumphashtofile	function
enable	function
list	function
name	string
register	function
report	function
savehash	function
show	function
value	function

typesetters (context)

alignments table

F handler
F set

breakpoints table

F define
F handler
D mapping
T methods
T numbers
F set
F setreplacement

cases table

T actions
F handler
F register
F set

characteralign table

F handler
F resetcharacteralign
F setcharacteralign

characters table

F handler
F replacensp
F replacenspaces

checkers table

F handler
F reset
F set

cleaners table

F handler
F set

digits table

T actions
F handler
F set

directions table

F getfences
F getglobal
F getmethod
F handler
T handlers

F installhandler

F processmath

F set

F setcolor

F setmath

F tomode

firstlines table

T actions
F default
F line
F word

F handler

F set

initials table

T actions
F default

F handler

F set

italics table

F forcevariant

F handler

F reset

F set

kerns table

D factors

F handler

F keepligature

B keptogether

D mapping

F set

manipulators table

F apply

F applyspecification

T methods

F Word

F Words

F abbreviatedjournal

F expandedjournal

F lowercase

F stripperperiod

F uppercase

- T patterns
- U list
- U pair
- F splitspecification

margins table

- F finalhandler
- F globalhandler
- F ha
- F localhandler
- F save

processors table

- F apply
- F register
- F reset
- F split
- F startapply
- F stopapply
- F stripped
- F tostring

spacings table

- F define
- F handler
- D mapping
- T numbers
 - T frenchpunctuation
 - T characters
 - S name
 - N number
- F reset
- F set
- F setup

xtables table

- F cleanup
- F construct
- F create
- F flush
- F initialize_construct
- F initialize_reflow_height
- F initialize_reflow_width
- F next_row
- F reflow_height
- F reflow_width
- F set_construct
- F set_reflow_height
- F set_reflow_width

unicode (extra lua)

ascii table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub
F len
F lower
F match
F rep
F reverse
F sub
F upper

grapheme table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub
F len
F lower
F match
F rep
F reverse
F sub
F upper

latin1 table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub

F len
F lower
F match
F rep
F reverse
F sub
F upper

utf8 table

F byte
F char
F characters
F chrln
F count
F dump
F filetype
F find
F format
F gfind
F gmatch
F gsub
F is_valid
F len
F length
F lower
F magic
F match
F remapper
F rep
F replacer
F reverse
F split
F splitlines
F sub
F subtituter
F tocodes
F toeight
F toentities
F toString
F totable
F upper
F ustring

- F utf16_to_utf8
- F utf16_to_utf8_be
- F utf16_to_utf8_le
- F utf32_to_utf8
- F utf32_to_utf8_be
- F utf32_to_utf8_le
- F utf8_to_utf16
- F utf8_to_utf16_be
- F utf8_to_utf16_le
- F utf8_to_utf8
- F values
- F xstring

url (context)

addscheme	function
barepath	function
construct	function
escape	function
filename	function
hashed	function
hasscheme	function
query	function
split	function
toquery	function
unescapeget	function

utilities (context)

debugger table

- F disable
- F enable
- F savestats
- F showstats
- F showtraceback

formatters table

- F formatcolumns
- F list
- F stripzeros

garbagecollector table

- F check
- N criterium
- B enabled

lua table

- B alwaysstripcode
- F compile
- F loadedluacode
- F loadstripped
- N nofstrippedbytes
- N nofstrippedchunks
- B stripcode
- T strippedchunks
- F strippedloadstring
- T suffixes
 - S lua
 - S luc
 - S lui
 - S luj
 - S luv
 - S tma
 - S tmc
 - S tua
 - S tuc

packers table

- F hashed
- F new
- F pack
- F simplehashed
- F strip
- F unpack

N version

parsers table

- F add_settings_to_array
- F arguments_to_table
- F array_to_string
- F csvsplitter
- F getparameters
- F hash_to_string
- F iterator
- F keq_to_hash
- F listitem
- F make_settings_to_hash_pattern
- F mergehashes
- F options_to_hash
- T patterns
 - U settings_to_array
 - U settings_to_hash_a
 - U settings_to_hash_b
 - U settings_to_hash_c
 - U unittotex
- F process_stripped_settings
- F rfc4180splitter
- F runtime
- F settings_to_array
- F settings_to_array_with_repeat
- F settings_to_hash
- F settings_to_hash_strict
- F settings_to_hash_tolerant
- F settings_to_set
- F simple_hash_to_string
- F splitmethod
- F splitthousands
- F stepper
- F stripped_settings_to_array
- F unittotex
- F unittotxml

report function

sequencers table

- F appendaction
- F appendgroup
- F compile

F disableaction	U retain
F disablegroup	U retain and collapse
F enableaction	U retain and no empty
F enablegroup	F striplines
D functions	F striplong
F localize	F tabtospace
F new	T tracers
F nodeprocessor	tables table
F prependaction	F accesstable
F prependgroup	F definedtable
F removeaction	F definetable
F setkind	F encapsulate
F tostring	F insertaftervalue
setters table	F insertbeforevalue
F disable	F migratetable
F enable	F removevalue
F initialize	templates table
F list	F load
F new	F replace
F register	F replacer
F report	F resolve
F reset	
F show	
stacker table	
F new	
storage table	
F allocate	
F checked	
F mark	
F marked	
F setinitializer	
F sparse	
strings table	
F collapsecrLf	
T formatters	
F add	
F new	
F newrepeater	
F nice	
T striplinepatterns	
U collapse	
U prune	
U prune and collapse	
U prune and no empty	

vf (context)

char	function
down	function
fontid	function
image	function
node	function
nop	function
pop	function
push	function
right	function
rule	function
special	function

visualizers (context)

escapepatterns	data table
getvisualizer	function
load	function
makenested	function
makepattern	function
newgrammar	function
newhandler	function
parsedxml	function
pattern	function
register	function
registerescapecommand	function
registerescapeline	function
registerescapepattern	function
signal	string
signalpattern	userdata
specifications	data table
visualize	function
visualizebuffer	function
visualizefile	function
visualizestring	function
write	function
writeargument	function
writedefault	function
writeemptyline	function
writenewline	function
writespace	function

xml (context)

addentitiesdoctype	function	D tex	
after	function	D texline	
all	function	D texspace	
applylpath	function	D verbose	
assign	function	defaultprotocol	string
attribute	function	delete	function
before	function	delete_element	function
body	function	each	function
builtinentities	table	each_element	function
B amp		elements	function
B apos		elementtocdata	function
B gt		empty	function
B lt		entities	data table
B quot		erase	function
cdata	function	errorhandler	function
cdatatotext	function	escaped	function
checkbom	function	expressions	table
checkerror	function	F boolean	
checknamespace	function	F child	
checkns	function	F contains	
cleansed	function	F count	
collect	function	F error	
collect_elements	function	F find	
collect_tags	function	F lower	
collect_texts	function	F name	
collected	function	F number	
collecttexts	function	F oneof	
content	function	F print	
convert	function	F quit	
copy	function	F tag	
count	function	F text	
cprint	function	F undefined	
css	table	F upper	
F colorspecification		fillin	function
F dimension		filter	function
F fontspecification		finalizers	table
F padding		F paragraphs	
defaulthandlers	table	T tex	
D file		F all	
D parsedxml		F attribute	
D string		F chainattribute	

F command	F table	
F concat	F tag	
F concatrange	F tags	
F context	F text	
F count	F texts	
F ctxtext	F upperall	
F default	first	function
F first	found	function
F function	functions	table
F index	getbuffer	function
F last	gethandlers	function
F lettered	gethandlersfunction	function
F lower	helpers	table
F lowerall	F recursetext	
F match	include	function
F name	inclusion	function
F position	inclusions	function
F reverse	index	function
F stripped	inheritedconvert	function
F tag	inject	function
F tags	inject_element	function
F text	inject_element_after	function
F upper	inject_element_before	function
F upperall	injectafter	function
T xml	injectbefore	function
F all	insert	function
F att	insert_element	function
F attribute	insert_element_after	function
F attributes	insert_element_before	function
F cdata	insertafter	function
F chainattribute	insertbefore	function
F count	insertcomment	function
F default	inspect	function
F elements	is_valid	function
F empty	kind	function
F first	last	function
F function	load	function
F index	lpath	function
F last	lpathcached	function
F lowerall	lpathcalls	function
F match	lshow	function
F name	makestandalone	function
F position	match	function
F reverse	name	function

newhandlers	function	strip	function
nodesettostring	function	strip_whitespace	function
originalload	function	stripelement	function
package	function	stripleadingspaces	function
parent	function	table	function
parsedentitylpeg	userdata	text	function
pihandlers	table	textonly	function
placeholders	table	texttocdata	function
F unknown_any_entity		tocdata	function
F unknown_dec_entity		toelement	function
F unknown_hex_entity		tostring	function
position	function	toxml	function
privatecodes	table	tprint	function
privatetoken	function	traverse	function
process	function	unescaped	function
process_attributes	function	unprivatized	function
process_elements	function	withelement	function
processattributes	function	withelements	function
profiled	table	wrap	function
raw	function	xmlns	table
registerentity	function		
registers	function		
remap_name	function		
remap_namespace	function		
remap_tag	function		
remapname	function		
remapnamespace	function		
remaptag	function		
renamespace	function		
replace	function		
replace_element	function		
resolvens	function		
root	function		
save	function		
selection	function		
separate	function		
serialize	function		
setcdata	function		
sethandlersfunction	function		
setproperty	function		
settings	function		
specialhandler	table		
sprint	function		
string	function		

zip (extra lua)

archives	table
close	function
closearchive	function
open	function
openarchive	function
openfile	function
registeredfiles	table
type	function

zlib (extra lua)

adler32	function
compress	function
compressobj	function
crc32	function
decompress	function
decompressobj	function
version	function