

1 attributes backends bibtex 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 global graphics **gzip**
img interactions interfaces **io** job **lang**
languages layouts **lfs** libraries lmx logs
lpdf **lpeg** **ltn12** **lua** luatex lxml **math**
mathematics **md5** metapost **mime** moduledata
modules **mplib** noads **node** nodes number **os**
package pagebuilders parametersets **pdf**
physics **profiler** regimes resolvers
scripts set **socket** sorters statistics
status storage streams **string** structures
table **tex** **texconfig** **texio** **token** tokens
tracers trackers typesetters **unicode** url
utilities visualizers xml **zip** **zlib**

ConT_EXt MkIV

global (alias: _G)

1	table	fonts	table
arg	table	gcinfo	function
assert	function	getfenv	function
attributes	table	getmetatable	function
backends	table	getreadfilename	function
beginpage	function	global	table
bibtex	table	graphics	table
blobs	table	gzip	table
boolean	table	img	table
buffers	table	inspect	function
builders	table	interactions	table
caches	table	interfaces	table
callback	table	io	table
callbacks	table	ipairs	function
catcodes	table	job	table
characters	table	lang	table
chemistry	table	languages	table
collectgarbage	function	layouts	table
commands	table	lfs	table
containers	table	libraries	table
context	function	lmx	table
converters	table	lmxconvert	function
coroutine	table	lmxnew	function
ctxrunner	table	load	function
debug	table	loadfile	function
dimen	function	loadstring	function
dir	table	logs	table
directives	table	lp_fastpos_n	userdata
document	table	lp_fastpos_p	userdata
documentdata	table	lpdf	table
dofile	function	lpeg	table
endpage	function	ltn12	table
environment	table	lua	table
epdf	table	luatex	table
error	function	lxml	table
experiments	table	math	table
figures	table	mathematics	table
file	table	md5	table
floats	table	metapost	table
font	table	mime	table
fontloader	table	module	function

moduledata	table	sorters	table
modules	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	table	table
number	table	tex	table
os	table	texconfig	table
outputpagestree	function	texio	table
package	table	toboolean	function
pagebuilders	table	token	table
pairs	function	tokens	table
parametersets	table	tonumber	function
pcall	function	tostring	function
pdf	table	trace_characters	boolean
physics	table	traceback	function
print	function	tracers	table
profiler	table	trackers	table
protect	function	type	function
rawequal	function	typesetters	table
rawget	function	unicode	table
rawset	function	unpack	function
regimes	table	url	table
report_characters	function	utf	table
require	function	utilities	table
resolvers	table	visualizers	table
scripts	table	xml	table
select	function	xmlconvert	function
set	table	xpcall	function
setfenv	function	zip	table
setmetatable	function	zlib	table
socket	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 mpoptions

- U none
- F popset
- 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 function

effects table

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

handlers table

list data table

names data table

negatives table

- N attribute
- D data

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

backends (context)

codeinjections table

F synchronizecolormodel

current string

defaults table

T codeinjections

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 finalizepage

F finishreference

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F getoutputfilename

F getpreviewfigure

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 useviewerlayer

F validfield

F validfieldcategory

F validfieldset

S comment

T nodeinjections

F addtags

F attachfile

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 grayindexcolor	
F spotcolor	F grayspotcolor	
F startlayer	F rgbindexcolor	
F stoplayer	F rgbspotcolor	
F transparency	F spotcolorname	
F typesetfield	F transparency	
T registrations	T tables	
F cmykindexcolor	D vfspecials	
F cmykspotcolor	registrations	table
F getspotcolorreference	tables	table

bibtex (context)

authorref	function		F flush	
authors	table		F nofregistered	
F concat			F process	
F inverted			F register	
F invertedshort			F registerplaced	
F normal			F reset	
F normalshort			F resolve	
F setsettings				
F short				
authoryearref	function	load	function	
authoryearsref	function	new	function	
convert	function	singularorplural	function	
hacks	table	statistics	table	
F add		N nofbytes		
F doifalreadypaced		N nofdefinitions		
F filterall		N nofshortcuts		
		toxml	function	

blobs (context)

append function
dimensions function
dispose function

new function
pack function
write function

boolean (context)

tocontext function

tonumber function

buffers (context)

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

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 default
 - F oneline
- D names
- D numbers
- F set
- F start
- F stop
- F keptogether
- 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 setmap
- F setskip
- F snapbox
- F tocategories
- F tocategory
- F vboxhandler

cache (context)

ask	boolean	is_writable	function
base	string	loadcontent	function
collapsecontent	function	loaddata	function
configfiles	function	more	string
contentstate	function	relocate	boolean
defaults	table	savecontent	function
define	function	savadata	function
direct	boolean	setfirstwritablefile	function
force	boolean	setluanames	function
getfirstreadablefile	function	tree	string
getreadablepaths	function	treehash	function
getwritablepath	function	usedpaths	function
hashed	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	lccode	function
adobename	function	lccodes	data table
bidirectional	data table	lettered	function
blocks	data table	lower	function
casemap	table	makeactive	function
categories	data table	math	table
category	function	mathpairs	data table
categorytags	data table	ranges	data table
combined	data table	registerentities	function
contextname	function	remap_hangul_syllable	function
data	data table	remapentity	function
decomposed	data table	safechar	function
define	function	setcodes	function
description	function	shape	function
descriptions	data table	shaped	function
directions	table	shchars	data table
encodes	data table	shcodes	data table
entities	data table	specialchars	data table
fallbacks	data table	specials	data table
filters	data table	subscripts	table
fromnumber	function	superscripts	table
fschars	data table	synonyms	data table
fscodes	data table	tex	table
getrange	function	D accentmapping	
graphemes	data table	F defineaccents	
hangul	data table	F toutf	
initialize	function	tonumber	function
is_character	data table	ucchars	data table
is_command	data table	uccode	function
is_letter	data table	uccodes	data table
is_mark	data table	unicodechar	function
is_spacing	data table	upper	function
lcchars	data table		

chemistry (context)

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

commands (context)

Alphabetic	function	autofinishstructurelevels	function
Character	function	autonextspace	function
Characters	function	autonextstructurelevel	function
MPc	function	autosetups	function
MPd	function	autostarttext	function
MPh	function	autostoptext	function
MPLl	function	bcolumn	function
MPlr	function	boolcase	function
MPls	function	character	function
MPn	function	characters	function
MPp	function	checkcharactersinfont	function
MPpardata	function	checkcountersetup	function
MPplus	function	checkedconversion	function
MPpos	function	checkedpagefloat	function
MPposset	function	checktwopassdata	function
MPr	function	chemicalcomponent	function
MPrest	function	chineseallnumerals	function
MPrs	function	chinesecapnumerals	function
MPul	function	chinesenumerals	function
MPur	function	cleanfontname	function
MPw	function	cleanupplayers	function
MPx	function	clonefield	function
MPxy	function	collectfloat	function
MPxywhd	function	collecthelp	function
MPy	function	colorcomponents	function
Romannumerals	function	concatcommalist	function
abjadnodotnumerals	function	consultfloat	function
abjadnumerals	function	copyfileto log	function
addcounter	function	copyposition	function
addff	function	countervalue	function
addfs	function	counttwopassdata	function
addlinklistelement	function	currentcomponent	function
addtojavascriptpreamble	function	currentdate	function
addtolist	function	currentenvironment	function
allinputpaths	function	currentproduct	function
alphabetic	function	currentproject	function
analysefloatmethod	function	currentreferenceorder	function
analyzelist	function	currentregime	function
applytochars	function	datasetvariable	function
applytowords	function	dayname	function
assignbuffer	function	defineattribute	function

definebibtexsession	function	doifblackelse	function
definebreakpoint	function	doifcommonelse	function
definebreakpoints	function	doifcounter	function
definecharacterspacing	function	doifdimenstringelse	function
definechemical	function	doifdrawingblackelse	function
defineconversion	function	doifelse	function
definecounter	function	doifelsebuffer	function
definedviewerlayer	function	doifelsecounter	function
definefield	function	doifelsecurrentfonthasfeature	function
definefieldset	function	doifelseintwopassdata	function
definefileallback	function	doifelsemarking	function
definefilesynonym	function	doifelsemessage	function
definefont_one	function	doifelsemultipar	function
definefont_two	function	doifelseparallel	function
definefontfeature	function	doifelsepositionsused	function
definefontsolution	function	doifelserangeonpage	function
defineinsertion	function	doifelserreference	function
defineintermediatecolor	function	doifelsesavedfloat	function
definelabels	function	doifelsespaces	function
definelanguage	function	doifelseutfmathaccent	function
definelinkedlist	function	doifelsevisualizer	function
definemarking	function	doiffielddcategoryelse	function
definemultitonecolor	function	doiffielddelse	function
definernote	function	doiffielddsetelse	function
defineparallel	function	doiffiledefinedelse	function
defineparbuilder	function	doiffileexistelse	function
defineprocesscolor	function	doiffirstcharelse	function
defineprogram	function	doifinputfileelse	function
definereference	function	doifinsetelse	function
definesectionlevels	function	doifleapyearelse	function
definespotcolor	function	doiflisthasentry	function
definestructureblock	function	doiflisthasnumberelse	function
definestructureset	function	doiflisthaspageelse	function
definetransparency	function	doiflisthastitleelse	function
definewtwopasslist	function	doiflocfileelse	function
defineviewerlayer	function	doifnot	function
defrostrandomseed	function	doifnotcounter	function
digits	function	doifnotecontent	function
disableparbuilder	function	doifnoteonsamepageasprevious	function
disableregime	function	doifobjectreferencefoundelse	function
disablesPELLchecking	function	doifolderversionelse	function
discardfromlist	function	doifoverlappingelse	function
doanalyzeframedbox	function	doifparentfileelse	function
doif	function	doifposition	function

doifpositionelse	function	fontchar	function
doifpositiononpage	function	fontcollectionclone	function
doifpositionsonsamepageelse	function	fontcollectiondefine	function
doifpositionsonthispageelse	function	fontcollectionprepare	function
doifurldefinedelse	function	fontcollectionregister	function
doprocесstypescriptfile	function	fontcollectionreport	function
doreshapeframedbox	function	fontcollectionreset	function
dostarttextfile	function	fontlookupgetkey	function
dostoptextfile	function	fontlookupgetkeyofindex	function
ecolumn	function	fontlookupinitialize	function
elapsedtime	function	fontlookupnoffound	function
enablecolor	function	forceendjob	function
enablecolorintents	function	forcequitjob	function
enablefontcolorschemes	function	format	function
enableparbuilder	function	formatcolor	function
enableregime	function	formatgray	function
enablespellchecking	function	freezerandomseed	function
enabletransparency	function	from	function
enhancelinkedlist	function	getbuffer	function
enhancelist	function	getbufferctxlua	function
enhancereference	function	getbuffermkvi	function
erasebuffer	function	getcommandline	function
expandcurrentreference	function	getctxfile	function
exportformdata	function	getcurrentprefixspec	function
exportreferences	function	getcurrentreferencemetadata	function
featureattribute	function	getdefaultfieldvalue	function
featurelist	function	getfieldcategory	function
feedback	function	getfirstcharacter	function
fetchallmarks	function	getfirsttwopassdata	function
fetchmultipar	function	getfloatvariable	function
fetchmultishape	function	getinternalreference	function
fetchonemark	function	getlasttwopassdata	function
fetchposboxes	function	getmarking	function
fetchtwomarks	function	getmessage	function
filterdefaultreference	function	getnotestate	function
filterreference	function	getprivateattribute	function
finalizebox	function	getprivatechar	function
findtwopassdata	function	getprogram	function
firstcountervalue	function	getrandomcounta	function
firstinset	function	getrandomcountb	function
flushfloat	function	getrandomseed	function
flushnotes	function	getreadfilename	function
flushpostponedblocks	function	getsubstring	function
flushpostponednotes	function	gettexbuffer	function

gettwopassdata	function	loadfontgoodies	function
gettwopassdatalist	function	loadspellchecklist	function
geturl	function	loadtypescriptfile	function
grabbuffer	function	loadvisualizer	function
helpaction	function	locatefilepath	function
helpreference	function	locfilename	function
hexstringtonumber	function	looptions	function
hour	function	markregionbox	function
hyphenatedlist	function	mathrenderset	function
hyphenatedurl	function	maxitemwidth	function
D characters		minute	function
N lefthyphenmin		mixcleanup	function
D mapping		mixfinalize	function
N righthyphenmin		mixflushlist	function
F setcharacters		mixflushrest	function
incrementedcounter	function	mixgetsplit	function
initializetextrackers	function	mixsetsplit	function
injectcurrentreference	function	mixstate	function
injectreference	function	molecule	function
inlinechemical	function	month	function
insertattachment	function	monthmnem	function
insertcomment	function	monthname	function
insertfield	function	mpcolor	function
insertionnumber	function	mpoptions	function
insertrenderingwindow	function	namedstructureuservariable	function
insertsoundclip	function	namedstructurevariable	function
installedlanguages	function	nbfs	function
installtextracker	function	nextcountervalue	function
languageumber	function	nextparallel	function
lastcountervalue	function	nofdays	function
lchexnumber	function	nofitems	function
lchexnumbers	function	nofstackedfloats	function
leapyear	function	notedeltapage	function
linenumbersstageone	function	notelistindex	function
linenumbersstagetwo	function	notenumberpage	function
listlabel	function	noteprefixednumber	function
listlocation	function	notesymbolpage	function
listprefixednumber	function	notetitle	function
listprefixedpage	function	ntimes	function
listrealpage	function	number	function
listsize	function	numbers	function
listtitle	function	objectnumber	function
listuserdata	function	objectpage	function
loadexamodes	function	octnumber	function

octstringtonumber	function	registerattachment	function
ordinal	function	registerbibtexentry	function
overloadbookmark	function	registerbibtexfile	function
pagestaterealpage	function	registerbookmark	function
parpos	function	registerbuttons	function
pdfrotation	function	registercolor	function
percentageof	function	registercolorintent	function
pgfxcolorspec	function	registeredviewerlayer	function
placeparallel	function	registerhelp	function
popfloat	function	registeritemgroup	function
popitaliccorrection	function	registerlinenumbering	function
poplist	function	registermaintextcolor	function
popregime	function	registernamespace	function
popsectionblock	function	registerpostponedblock	function
pos	function	registerrendering	function
posplus	function	registersoundclip	function
posstrut	function	registerstructureprocessor	function
postponenotes	function	registertransparency	function
poswhd	function	registerunit	function
posxy	function	relatemarking	function
prepareMPvariable	function	removemissingcharacters	function
preparebibtexsession	function	renderingvar	function
preparedfile	function	replacemissingcharacters	function
presetsymbollist	function	replacepospxywhd	function
presettabulate	function	resavefloat	function
prevcountervalue	function	resetcounter	function
processbuffer	function	resetfontfeature	function
processedfile	function	resetfontsolution	function
processedfiles	function	resetmarking	function
processfile	function	resetmathitalics	function
processfilemany	function	resetnullfont	function
processfilenone	function	resetparallel	function
processfileonce	function	resetreference	function
processlist	function	resetstructureprocessor	function
pushfloat	function	resettimer	function
pushitaliccorrection	function	restartcounter	function
pushlist	function	restorecounter	function
pushregime	function	restorecurrentattributes	function
pushsectionblock	function	restorenote	function
rawcharacter	function	romannumerals	function
rawcountervalue	function	runbuffer	function
rawdate	function	safechar	function
referencepagestate	function	savebuffer	function
referencerealpage	function	savecounter	function

savecurrentattributes	function	setlayer	function
savelistnumber	function	setmarking	function
savelistprefixednumber	function	setmathalphabet	function
savelisttitle	function	setmathalternate	function
savefloat	function	setmathattribute	function
savenote	function	setmathitalics	function
saveobject	function	setmathstyle	function
saveparallel	function	setnextinternalreference	function
savestructureblock	function	setnotestate	function
savetaggedtwopassdata	function	setnotesymbolpage	function
savetwopassdata	function	setobject	function
second	function	setopendocumentaction	function
selectstructureblock	function	setopenpageaction	function
setbreakpoints	function	setowncounter	function
setcharactercasing	function	setpagestate	function
setcharactercleaning	function	setpagestaterealpageno	function
setcharacterkerning	function	setpagetransition	function
setcharacterspacing	function	setparbuilder	function
setcharacterstripping	function	setpos	function
setcloseddocumentaction	function	setrandomseed	function
setclosepageaction	function	setrealign	function
setcolormodel	function	setreferencearguments	function
setcounter	function	setreferenceattribute	function
setdataset	function	setreferenceoperation	function
setdigitsmanipulation	function	setsectionblock	function
setdirection	function	setstructureblockstate	function
setdocumentenvironments	function	settagcombination	function
setdocumentmodes	function	settagdescription	function
setdocumentmodules	function	settagdescriptionsymbol	function
setfigurelookuporder	function	settagfigure	function
setfontfeature	function	settaghighlight	function
setfontofid	function	settagitemgroup	function
setfontsolution	function	settagproperty	function
setformat	function	settagsorting	function
setformsmethod	function	settagsynonym	function
setinsertionlocation	function	settagtablecell	function
setinterfaceconstant	function	settagtabulatecell	function
setinterfaceelement	function	setupbookmarks	function
setinterfacemessage	function	setupcanvas	function
setinterfacemessages	function	setupcharacterspacing	function
setinterfacevariable	function	setupexport	function
setinternalreference	function	setupfontexpansion	function
setlanguageexceptions	function	setupfontprotrusion	function
setlanguagesynonym	function	setupidentity	function

setupinsertion	function	storejavascriptpreamble	function
setupitaliccorrection	function	storenote	function
setuplinenumbering	function	structureautocatcodedget	function
setvisual	function	structurecatcodedget	function
setxmpfile	function	structuregivencatcodedget	function
showassignerror	function	structurenumber	function
showattributes	function	structuretitle	function
showcallbacks	function	structureuservariable	function
showchardata	function	structurevariable	function
showcounter	function	subcountervalues	function
showfontparameters	function	subff	function
showhyphenatedinlist	function	subfs	function
showmessage	function	synchronizemodel	function
splitfilename	function	synchronizemarking	function
spotcolorname	function	taggedmathfunction	function
spotcolorparent	function	testcase	function
spotcolorvalue	function	textime	function
startchemical	function	transparencycomponents	function
startcolorset	function	triggereffect	function
startcomponent	function	triggernegative	function
startenvironment	function	truefilename	function
startfontsolution	function	typebuffer	function
startparbuilder	function	typefile	function
startproduct	function	typestring	function
startproject	function	uchexnumber	function
startregime	function	uchexnumbers	function
startsectionlevel	function	undefinechemical	function
starttag	function	unicodechar	function
starttext	function	unit	function
startviewerlayer	function	unloadlanguage	function
stopchemical	function	updatefilenames	function
stopcolorset	function	useMPLibrary	function
stopcomponent	function	useanyfile	function
stopenvironment	function	useclfile	function
stopfontsolution	function	usecolors	function
stopparbuilder	function	usecomponent	function
stopproduct	function	useenvironment	function
stopproject	function	usefile	function
stopregime	function	usejavascriptpreamble	function
stopsectionlevel	function	usejavascriptscripts	function
stoptag	function	uselibrary	function
stoptext	function	useluafile	function
stopviewerlayer	function	usemodules	function
storejavascriptcode	function	usepath	function

useproduct	function	weekday	function
useproject	function	weekdayname	function
usesubpath	function	widthofstring	function
usesymbols	function	writestatus	function
usetexfile	function	x_table_cleanup	function
useurl	function	x_table_construct	function
usexmlfile	function	x_table_create	function
usezipfile	function	x_table_flush	function
utfchar	function	x_table_init_construct	function
utfmathclass	function	x_table_init_reflow_height	function
utfmathcommand	function	x_table_init_reflow_width	function
utfmathfiller	function	x_table_next_row	function
utfmathstretch	function	x_table_reflow_height	function
visual	function	x_table_reflow_width	function
vspacing	function	x_table_set_construct	function
vspacingcollapse	function	x_table_set_reflow_height	function
vspacingdefine	function	x_table_set_reflow_width	function
vspacingsetamount	function	year	function
vspacingsnap	function		

containers (context)

cleanname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

Alphabetic	function	maxchr	function
Character	function	minute	function
Characters	function	month	function
Romannumerals	function	nofdays	function
abjadnodotnumerals	function	number	function
abjadnumerals	function	numbers	function
alphabetic	function	octnumber	function
character	function	octstringtonumber	function
characters	function	ordinal	function
chineseallnumerals	function	rawcharacter	function
chinesecapnumerals	function	romannumerals	function
chinesenumerals	function	second	function
chr	function	sequences	data table
chrs	function	textime	function
convert	function	toabjad	function
define	function	tochinese	function
hexstringtonumber	function	toroman	function
hour	function	uchexnumber	function
isleapyear	function	uchexnumbers	function
lchexnumber	function	weekday	function
lchexnumbers	function	year	function
leapyear	function		

coroutine (basic lua)

coco boolean
create function
cstacksize function
resume function

running function
status function
wrap function
yield function

ctxrunner (context)

load function
prepfiler data table

resolve function

debug (basic lua)

debug	function	getupvalue	function
getfenv	function	setfenv	function
gethook	function	sethook	function
getinfo	function	setlocal	function
getlocal	function	setmetatable	function
getmetatable	function	setupvalue	function
getregistry	function	traceback	function

dir (context)

collectpattern	function
current	function
expandname	function
glob	function
globfiles	function
globpattern	function

ls	function
makedirs	function
makedirs	function
pop	function
push	function

directives (context)

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

document (context)

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

environment (context)

argument	function	luafile	function
arguments	data table	luafilechunk	function
default_texmfcnf	string	originalarguments	data table
engineflags	data table	outputfilename	string
files	table	ownbin	string
filesynonyms	data table	ownname	string
getargument	function	ownpath	string
homedir	string	rawarguments	data table
initex	boolean	reconstructcommandline	function
initializearguments	function	runpath	string
inputfilebarename	string	setargument	function
inputfilename	string	splitarguments	function
inputfilerealsuffix	string	texfile	function
inputfilesuffix	string	texmfos	string
jobfilename	string	texos	string
jobfilesuffix	string	texroot	string
jobname	string	truefilename	function
loadluafile	function		

epdf (extra tex)

Array function
Dict function
Object function

PDFRectangle function
open function
type function

experiments (context)

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

figures (context)

applyratio	function	hash	function
bases	table	identifiers	data table
B enabled		identify	function
F find		include	function
T found		includes	data table
T list		initialize	function
F locate		loaded	data table
F use		localpaths	data table
T used		magics	data table
bitmapimage	function	mergegoodies	function
boxnumber	number	nofprocessed	number
cachepaths	data table	paths	data table
check	function	patterns	data table
checkers	data table	pop	function
converters	data table	preferquality	boolean
current	function	programs	data table
defaultdepth	number	push	function
defaultheight	number	registerpattern	function
defaultsearch	boolean	registerresource	function
defaultwidth	number	registersuffix	function
done	function	resources	data table
dummy	function	scale	function
exists	data table	setlookups	function
exists	function	setorder	function
formats	data table	setpaths	function
found	data table	suffixes	data table
get	function	tprint	function
guess	function	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
robustname	function
savechecksum	function
savedata	function
size	function
splitbase	function
splitname	function
splitpath	function
strip	function
suffix	function
suffixonly	function
syncmtimes	function

floats (context)

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

font (basic tex)

current function
define function
each function
fonts table
frozen function
getfont function

id function
max function
nextid function
read_tfm function
read_vf function
setfont function

fontloader (extra tex)

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

fonts (context)

analyzers	table		F normal
D initializers			F virtual
D methods			F initializefeatures
F setstate			T keys
B useunicodemarks			T character
checkers	table		S depth
F missing			S height
cid	table		S italic
F getmap			S width
F loadfile			T description
collections	table		T boundingbox
F clonevector			S depth
F define			S height
T definitions			S width
F prepare			T parameters
F process			S ascender
F registermain			S descender
F report			S designsize
F reset			T expansion
T vectors			S auto
constructors	table		S shrink
F aftercopyingcharacters			S step
F applymanipulators			S stretch
F assignmathparameters			S extendfactor
B autocleanup			S factor
F beforecopyingcharacters			S hfactor
D cache			S mathsize
F calculatyscale			T protrusion
F checkedfeatures			S auto
F checkedfilename			S quad
F cleanupable			S scaledpoints
F collectprocessors			S scriptpercentage
D designsizes			S scriptscriptpercentage
D dontembed			S size
F enhanceparameters			S slantfactor
N factor			S slantperpoint
F finalize			T spacing
F getfeatureaction			S extra
F hashfeatures			S shrink
F hashinstance			S stretch
T hashmethods			S width

T synonyms	F scaled	
S em	F setfactor	
S ex	F setname	
S extra_space	N version	
S extraspace	current	function
S slant	currentid	function
S space	definers	table
S space_shrink	F addlookup	
S space_stretch	F analyze	
S spaceshrink	F applypostprocessors	
S spacestretch	F checkedmode	
S x_height	F checkedscript	
S units	F current	
S vfactor	S defaultlookup	
S xheight	F define	
T properties	F getspecification	
S autoitalicamount	F loadfont	
T cidinfo	F makespecification	
S embedding	T methods	
S encodingbytes	F install	
S filename	D variants	
S finalized	F read	
S fontname	F register	
S format	F registered	
S fullname	F registersplit	
S hasitalics	F resetnullfont	
S hasmath	F resolve	
S mathitalics	T resolvers	
S mode	F file	
S name	F name	
S noglyphnames	F spec	
S nostackmath	definetypface	function
S psname	encodings	table
S textitalics	T agl	
S virtualized	D cache	
D loadedfonts	F is_known	
S namemode	D known	
F newfeatures	F load	
F newhandler	F make_unicode_vector	
N privateoffset	D math	
F readanddefine	N version	
F registerfeature	expansions	data table
B resolvevirtualtoo	formats	data table
F scale	goodies	table

- D colorschemes
- D data
- D designsizes
- F getcompositions
- T list
 - F compositions
 - F designsizes
 - F expansions
 - F featureset
 - F files
 - F mathematics
 - F protrusions
 - F solutions
 - 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 getalternate
- T glists
- F load
- F scriptandlanguage
- F setcontextchain
- F setdynamics
- F setfeatures
- T statistics
 - D usedfeatures
- T tables
 - D baselines
 - D features
 - D languages
 - D scripts
- N version

- T pfb
- T tfm
 - D features
 - F setfeatures
- T vf
 - T combinations
 - F combine
 - T combiner
 - D commands
 - F find
 - D helpers
 - D math
 - D predefined
 - D whatever

hashes **table**

- D characters
- D csnames
- D descriptions
- T dynamics
- D emwidths
- D exheights
- D identifiers
- D italics
- D lastmathids

D marks	S sk
D parameters	S sm
T processes	S so
D properties	F format
D quads	F onetimemessage
D resources	F register
T setdynamics	F reportdefinedfonts
D xheights	F reportusedfeatures
helpers	mappings
	table
F addprivate	F addtounicode
F dimenfactor	F fromunicode16
F fontpatternhassize	F loadfile
F getdigitwidth	F loadline
F getparameters	F loadlumtable
F getprivatenode	F makenameparser
F hasprivate	F reset
F nametoslot	F tounicode16
F setdigitwidth	F tounicode16sequence
F splitfontpattern	
iterators	names
	data table
	protrusions
	data table
	readers
	table
	F afm
	F check_lua
	F check_tfm
	F dfont
	F lua
	F opentype
	F otf
	F pfb
	D sequence
	F tfm
	F ttc
	F ttf
loggers	specifiers
	table
T category_to_placeholder	D contextmerged
S ll	F contextnumber
S lm	D contextnumbers
S lo	D contextsetups
S lt	F contexttstring
S lu	F mergecontext
S mc	F presetcontext
S me	F registercontext
S mn	F showcontext
S nd	F splitcontext
S nl	
S no	
S pc	
S pd	
S pe	
S pf	
S pi	
S po	
S ps	
S sc	

D synonyms		tables	table
D variants		tracers	table
symbols	table	typefaces	data table
F uselibrary			

graphics (context)

backgrounds table

F calculatemultipar

F fetchmultipar

F pair

F path

F point

gzip (extra lua)

close function

lines function

open function

img (basic tex)

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

interactions (context)

attachments table

F insert
F register

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 table

pages table

F setpagetransition
F setupcanvas

references table

F setclosedocument
F setclosepage
F setopendocument
F setopenpage

renderings table

F register
F rendering
F var

soundclips table

F insert
F register

interfaces (context)

addvalidkeys	function
cachedsetups	data table
cachesetup	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

open_ro function

output function

pathseparator string

popen overloaded function

read function

readnumber function

readstring function

savedata function

size function

stderr userdata

stdin userdata

stdout userdata

tmpfile function

type function

write function

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

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 save
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
associated	data table
association	function
counters	data table
current	function
data	data table
define	function
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
righthyphenmin	function
setexceptions	function
setsynonym	function
unload	function
version	number
words	table
F check	
T data	
F disable	
F enable	
T enablers	
B enables	
F found	
F load	
T methods	
N threshold	

layouts (context)

status	table	F leftorrightpagection
	F isleftpage	

lfs (extra lua)

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

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

globals data table

lhx (context)

color	function
convert	function
convertfile	function
convertstring	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
lhxfile	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	setmessenger	function
categories	function	setprogram	function
direct	function	settarget	function
disable	function	settranslations	function
enable	function	show	function
extendbanner	function	show_close	function
flush	function	show_load	function
help	function	show_open	function
messenger	function	simple	function
new	function	simpleline	function
newline	function	simplelines	function
poptarget	function	start_page_number	function
pushtarget	function	status	function
report	function	stop_page_number	function
report_job_stat	function	subdirect	function
reportbanner	function	subreport	function
reporter	function	system	function
reportline	function	texerrormessage	function
reportlines	function	writer	function
setformats	function		

lpdf (context)

action	function	id	function
adddocumentcolorspace	function	injectxmpinfo	function
adddocumenttextgstate	function	insertxmpinfo	function
adddocumentpattern	function	javascript	function
adddocumentshade	function	launch	function
addtocatalog	function	layerreference	function
addtoinfo	function	limited	function
addtonames	function	linearshade	function
addtopageattributes	function	link	function
addtopageresources	function	null	function
addtopagesattributes	function	number	function
addxmpinfo	function	pagedestination	function
array	function	pagereference	function
boolean	function	pdfcolor	function
checkedkey	function	pdftimestamp	function
checkedvalue	function	protectresources	boolean
circularshade	function	reference	function
cmykcode	function	registerannotation	function
collectedresources	function	registerdocumentfinalizer	function
color	function	registerpagefinalizer	function
colorspace	function	reserveannotation	function
colorspaceconstants	data table	reserveobject	function
colorspec	function	rgbcode	function
colorvalue	function	rotationcm	function
colorvalues	function	shareobject	function
constant	function	shareobjectreference	function
delayedobject	function	spotcode	function
dictionary	function	stream	function
epdf	table	string	function
F expand		timestamp	function
F load		toeight	function
finalizedocument	function	tosixteen	function
finalizepage	function	transparency	function
finishtransparencycode	function	transparencycode	function
flushobject	function	transparencygroups	table
flushstreamfileobject	function	B none	
flushstreamobject	function	transparencyvalue	function
formats	data table	unicode	function
graycode	function	verbose	function

lpeg (basic lua)

C	function	endstripper	function
Carg	function	firstofsplit	function
Cb	function	frontstripper	function
Cc	function	instringchecker	function
Cf	function	is_lpeg	function
Cg	function	keeper	function
Cmt	function	locale	function
Cp	function	match	function
Cs	function	oneof	function
Ct	function	patterns	data table
P	function	print	function
R	function	replacer	function
S	function	secondofsplit	function
UP	function	span	function
UR	function	split	function
US	function	splitat	function
V	function	splitter	function
anywhere	function	stripper	function
append	function	tsplitat	function
balancer	function	tsplitter	function
checkedsplit	function	type	function
count	function	utfchartabletopattern	function
counter	function	version	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	messages	data table
bytedata	data table	name	table
bytdone	table	numbers	data table
collectgarbage	function	registercode	function
delay	function	registeredcodes	function
finalize	function	registerfinalizer	function
firstbytecode	number	registername	function
flush	function	setbytecode	function
flushdelayed	function	setluaname	function
getbytecode	function	startupfile	string
getluaname	function	version	string
lastbytecode	number		

luatex (context)

cleanuptempfiles	function	showjobstat	function
registerstartactions	function	showtexstat	function
registerstopactions	function	starttime	number
registertempfile	function		

lxml (context)

addindex	function
all	function
applyfunction	function
att	function
attribute	function
chainattribute	function
checkindex	function
collected	function
command	function
concat	function
concatrange	function
content	function
context	function
convert	function
count	function
delete	function
direct	function
directives	table
F after	
F before	
F handle	
F load	
F setup	
displayverbatim	function
doif	function
doifelse	function
doifsettext	function
doifnot	function
doifnottext	function
doiftext	function
element	function
elements	function
entities	data table
filter	function
filterlist	function
first	function
flush	function
flushlinewise	function
flushsetups	function
flushspacewise	function
get_id	function

getid	function
getindex	function
id	function
idsplitter	userdata
include	function
index	function
info	function
inlineverbatim	function
installsetup	function
last	function
load	function
loadbuffer	function
loaddata	function
loaded	table
loadregistered	function
main	function
match	function
name	function
namespace	function
nonspace	function
pos	function
position	function
raw	function
rawroot	function
register	function
registerentity	function
removesetup	function
resetcdata	function
resetsetups	function
resolvedentity	function
root	function
serialize	function
setaction	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setsetup	function
snippet	function
sorters	table
F add	
F compare	

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

math (basic lua)

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

mathematics (context)

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

md5 (extra lua)

HEX function

crypt function

dec function

decrypt function

exor function

hex function

sum function

sumhexa function

metapost (context)

analyzeplugins function
checkformat function
checktexts function
colorinitializer function
convert function
defaultformat string
directrun function
edefsxsy function
escaped function
exectime table
filterclippath function
finder function
flush function
flushers table
 T pdf
 F comment
 F flushfigure
 F startfigure
 F stopfigure
 F textfigure
flushliteral function
flushnormalpath function
flushreset function
format function
formatnumber function
getclippath function
gettext function
graphic function
graphic_base_pass function
graphic_extra_pass function
intermediate table
 T actions
 F makempy
 B needed
lastlog string
load function

makempy table
 N nofconverted
 F processgraphics
metafun table
 F interpolate
 F topath
method number
mptopdf table
 F convertmptstopdf
 N nofconverted
multipass boolean
n number
optimize boolean
parse function
pdfliterals function
pluginactions function
process function
processplugins function
reducetogray boolean
reporterror function
reset function
resetlastlog function
resetplugins function
resettexttexts function
setoutercolor function
settext function
showlog boolean
tex table
 F get
 F reset
 F set
texerrors boolean
texttextsdata function
theclippath function
totable function
unload function

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

mplib (extra tex)

fields	function	pen_info	function
finders	table	preprocessed	function
F file		version	function
new	function		

noads (context)

handlers table

- F check
- F collapse
- F families
- F italics
- F relocate
- F render
- F resize
- F respace
- F tags
- F unscript

F variants

process function

processors table

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

node (basic tex)

copy	function	ligaturing	function
copy_list	function	mlist_to_hlist	function
count	function	new	function
current_attr	function	next	function
dimensions	function	prev	function
do_ligature_n	function	protect_glyphs	function
family_font	function	protrusion_skippable	function
fields	function	remove	function
first_character	function	set_attribute	function
first_glyph	function	slide	function
flush_list	function	subtype	function
free	function	tail	function
has_attribute	function	traverse	function
has_field	function	traverse_id	function
hpack	function	type	function
id	function	types	function
insert_after	function	unprotect_glyphs	function
insert_before	function	unset_attribute	function
is_node	function	usedlist	function
kerning	function	vpack	function
last_node	function	whatsits	function
length	function	write	function

nodes (context)

after	function	F protectglyphs	
aligned	function	F stripping	
astable	function	F unprotectglyphs	
before	function		
builders	table	has_attribute	function
F buildpage_filter		idstosting	function
F vpack_filter		ignorablefields	data table
codes	data table	injections	table
concat	function	F handler	
count	function	F installnewkern	
delete	function	F setcursive	
destinations	table	F setkern	
N attribute		F setmark	
T done		F setpair	
F handler		installattributehandler	function
T stack		is_display_math	function
dimensionfields	data table	is_mirrored	data table
dir_is_pop	data table	is_rotated	data table
dir_negation	data table	kerncodes	data table
fasthpack	function	leftmarginwidth	function
fields	function	lines	table
fillcodes	data table	T boxed	
firstcharacter	function	F register	
firstcharinbox	function	F setup	
firstglyph	function	F stage_one	
getattribute	function	F stage_two	
gluecodes	data table	F stage_zero	
glyphcodes	data table	D data	
glyphdir_is_equal	data table	F finalize	
glyphdir_is_opposite	data table	F number	
glyphdir_is_orthogonal	data table	N scratchbox	
handlers	table	link	function
F accessibility		list	function
F backgrounds		listablefields	data table
F characters		listcodes	data table
F checkforleaks		listtoutf	function
F checkglyphs		load	function
F cleanuppage		locate	function
F export		mathcodes	data table
F finalize		noadcodes	data table
F migrate		nodecodes	data table
		packlist	function

pardir_is_equal	data table	F userstring	
pardir_is_opposite	data table	F usertokens	
pardir_is_parallel	data table	F vlist	
partextdir_is_equal	data table	F zeroglue	
penaltycodes	data table	print	function
pool	table	processors	table
F baselineskip		B enabled	
F cleanup		F hpack_filter	
F disc		F post_linebreak_filter	
F fontkern		F pre_linebreak_filter	
F glue		F tracer	
F gluespec		processwords	function
F glyph		reference	function
F hlist		references	table
F kern		N attribute	
F latelua		T done	
F leftmarginkern		F handler	
F leftskip		T stack	
F lineskip		remove	function
F noad		repackhlist	function
F pdfannotation		replace	function
F pdfdestination		report	function
F pdfdirect		rightmarginwidth	function
F pdfliteral		rules	table
F pdfrestore		D data	
F pdfsave		F define	
F pdfsetmatrix		F enable	
F penalty		F handler	
F register		save	function
F rightmarginkern		serialize	function
F rightskip		serializebox	function
F rule		setattribute	function
F shrink		setattributes	function
F special		setunsetattributes	function
F stretch		shifts	table
F temp		D data	
F textdir		F define	
F usage		F enable	
T userids		F handler	
N margins.inline		show	function
N splitters.one		showboxes	function
N splitters.two		showcodes	function
F userlist		showlist	function
F usernumber		showsimplelist	function

skipcodes	data table	F unicodes	
somepenalty	function	T colors	
somespace	function	F reset	
stripping	table	F set	
T glyphs		F setlist	
F set		F fontchar	
striprange	function	F start	
tasks	table	T steppers	
F actions		F check	
F appendaction		F codes	
F disableaction		F features	
F disablegroup		F glyphs	
F enableaction		F message	
F enablegroup		F messages	
F freeze		F nofsteps	
F freezegroup		F register	
F new		F reset	
F prependaction		F start	
F removeaction		F stop	
F restart		F stop	
F showactions		T transparencies	
F table		F reset	
textdir_is_equal	data table	F set	
textdir_is_is	data table	F setlist	
textdir_is_opposite	data table	unsetattribute	function
textdir_is_parallel	data table	unsetattributes	function
tonodes	function	visualizebox	function
tosequence	function	visualizers	table
totable	function	F box	
toutf	function	F handler	
tracers	table	F setfont	
T characters		F setlayer	
F collect		F setvisual	
F equal		whatcodes	data table
F indices		whatsitcodes	data table
F start		writable_spec	function
F string			

number (context)

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

os (basic lua)

<code>__getenv__</code>	function	<code>remove</code>	function
<code>__setenv__</code>	function	<code>rename</code>	function
<code>binsuffix</code>	string	<code>resolvers</code>	table
<code>binsuffixes</code>	table	<code>resultof</code>	function
<code>clock</code>	function	<code>runtime</code>	function
<code>converttime</code>	function	<code>selfdir</code>	string
<code>date</code>	function	<code>setenv</code>	overloaded function
<code>difftime</code>	function	<code>setlocale</code>	overloaded function
<code>env</code>	data table	<code>sleep</code>	function
<code>exec</code>	overloaded function	<code>spawn</code>	overloaded function
<code>execute</code>	overloaded function	<code>time</code>	function
<code>exit</code>	function	<code>times</code>	function
<code>fulltime</code>	function	<code>timezone</code>	function
<code>getenv</code>	overloaded function	<code>tmpdir</code>	function
<code>gettimeofday</code>	function	<code>tmpname</code>	function
<code>launch</code>	function	<code>type</code>	string
<code>libsuffix</code>	string	<code>uname</code>	function
<code>localtime</code>	function	<code>uuid</code>	function
<code>name</code>	string	<code>where</code>	function
<code>platform</code>	string	<code>which</code>	function

package (basic lua)

clibpaths	function
config	string
cpath	string
extraclibpath	function
extralibpath	function
libpaths	function

loaded	table
loaders	table
loadlib	function
path	string
preload	table
seeall	function

pagebuilders (context)

mixedcolumns table

F cleanup

F finalize

F getlist

F getrest

F getsplit

F setsplit

pdf (basic tex)

immediateobj	function	pageresources	string
mapfile	function	pagesattributes	string
mapline	function	pdfmapfile	function
maxobjnum	function	pdfmapline	function
obj	function	print	function
objtype	function	refobj	function
pageattributes	string	registerannot	function
pageref	function	reserveobj	function

physics (context)

`units` table

D tables

profiler (extra lua)

pause function
resume function

start function
stop function

regimes (context)

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

resolvers (context)

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

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		settrace	function
F enablecomment		showpath	function
F encodecomment		simplescanfiles	function
F preprocessed		splitconfigurationpath	function
F processmk		splitexpansions	function
F processmkvi		splitmethod	function
F version		splitpath	function
maxreadlevel	number	suffixes	data table
methodhandler	function	suffixmap	data table
newinstance	function	suffixofformat	function
openbinfile	function	texdatablob	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	usezipfile	function
registerextrapath	function	validatedpath	function
registerfile	function	variable	function
registerfilehash	function	variableofformat	function

variableofformatorsuffix

function

wildcardpattern

function

scripts (context)

categorytonumber data table
colors data table
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

handlers data table
hash table
installdataset function
installmethod function
numbertocategory data table
numbertodataset data table
preprocess function
reset function
set function

set (context)

contains function

create function

tolist function

tonumber function

totable function

socket (extra lua)

BLOCKSIZE number
_DEBUG boolean
bind function
choose function
connect function
dns table

F gethostname
F tohostname
F toip

ftp table

S PASSWORD
N PORT
N TIMEOUT
S USER
F command
F get
F open
F put

gettime function

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

tp table

N TIMEOUT

F connect

try function

udp function

url table

F absolute

F build

F build_path

F escape

F parse

F parse_path

F unescape

sorters (context)

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitsoffset

 N ignoredoffset

 N replacementoffset

definitions data table

firstofsplit function

setlanguage function

sort function

splitters table

 F utf

strip function

tracers data table

update function

statistics (context)

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

status (basic tex)

list function

storage (context)

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

streams (context)

collect	function
disable	function
enable	function
flush	function
initialize	function

push	function
start	function
stop	function
synchronize	function

string (basic lua)

booleanstring	function	quoted	function
byte	function	rep	function
bytepairs	function	reverse	function
bytes	function	split	function
char	function	splitlines	function
characterpairs	function	splitup	function
characters	function	strip	function
checkedsplit	function	sub	function
collapsespaces	function	tformat	function
count	function	toboollean	function
dump	function	tocontext	function
escapedpattern	function	todimen	function
explode	function	topattern	function
find	function	totable	function
format	function	toutf	function
gfind	function	unquote	function
gmatch	function	unquoted	function
gsub	function	upper	function
is_boolean	function	utfcharacters	function
is_empty	function	utflength	function
itself	function	utfsplit	function
len	function	utfsplitlines	function
limit	function	utfvalues	function
lower	function	valid	function
match	function	validutf	function
quote	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	
D cached	
D collected	
F discard	
F enhance	
T enhancers	
F filter	
F filtercollected	
F formulainumber	
F hasnumberdata	
F haspagedata	
F hastitledata	
D internals	
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	
T result	
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	

F number	F mark
F save	D pages
D tobesaved	U prefixsplitter
references	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
	T resolvers
	F reference
	F section
	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
- F valid
- F whatfrom

registers table

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

sections table

- F autodepth
- F cct
- T 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
- F set
- F setblock
- F setchecker
- F setlevel
- F setnumber
- F somelevel
- F structuredata
- F title
- D tobesaved
- F typesetnumber
- F userdata
- B verbose
- F way

sets table

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

specials table

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

synonyms table

- 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

T data
F detailedtag
F getid
F handler
D labels
F last
F lastinchain
T metadata
D properties
F registerdata

table

F registermetadata
F restart
F setattributefhash
F setcombination
F setdescription
F setdescriptionsymbol
F setfigure
F sethighlight
F setitemgroup
F setproperty
F setsorting
F setsynonym
F settablecell
F settabletecell
F start
F stop
D taglist
T userdata

table (basic lua)

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

tex (basic tex)

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

sfcode	table	tprint	function
shipout	function	trackers	data table
skip	table	txtcatcodes	number
sp	function	type	function
sprint	function	uccode	table
systemmodes	data table	uniformdeviate	function
texcatcodes	number	uprint	function
toks	table	vrbcacodes	number
tpacacodes	number	write	function
tpbcacodes	number		

texconfig (basic tex)

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

texio (basic tex)

`write` function

`write_nl` function

token (basic tex)

command_id	function	get_next	function
command_name	function	is_activechar	function
create	function	is_expandable	function
csname_id	function	is_protected	function
csname_name	function	lookup	function
expand	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	name	string
disable	function	register	function
dumphashtofile	function	report	function
enable	function	savehash	function
list	function	show	function

typesetters (context)

alignments table

F handler
F set

breakpoints table

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

cases table

T actions
F handler
F register
F set

characters table

F handler

cleaners table

F handler
F set

digits table

T actions
N attribute
F handler
F set

directions table

F handler
F process
F set

fast_hpack function

hpack function

italics table

F forcevariant
F handler
F reset
F set

kerns table

D factors
F handler

B keepligature

B keeptogether

D mapping

F set

margins table

F finalhandler
F globalhandler
F ha
F localhandler
F save

paragraphs table

N attribute
T droppers
F freeze
F set
F handler
F set

processors table

F apply
F register
F reset
F split
F startapply
F stopapply
F stripped
F toString

spacings table

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

tonodes function

vpack function

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

filetype function

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

ustring function

utf16_to_utf8 function

utf16_to_utf8_be function

utf16_to_utf8_le function

utf32_to_utf8 function

utf32_to_utf8_be function

utf32_to_utf8_le function

utf8 table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub
F len
F length
F lower
F match
F remapper
F rep
F reverse
F split
F splitines
F string
F sub
F toentities
F totable
F upper
F valid

utf8_to_utf16 function

utf8_to_utf8 function

utfcodes
utfname

function
table

utftype
xstring

function
function

url (context)

addscheme function
barepath function
construct function
escape function
filename function

hashed function
hasscheme function
query function
split function
toquery function

utilities (context)

debugger	table	U settings_to_hash_a	
F disable		U settings_to_hash_b	
F enable		U settings_to_hash_c	
F savestats		F settings_to_array	
F showstats		F settings_to_hash	
formatters	table	F settings_to_hash_strict	
F formatcolumns		F settings_to_hash_tolerant	
F list		F settings_to_set	
F stripzeros		F simple_hash_to_string	
garbagecollector	table	F splitthousands	
F check		report	function
N criterium		sequencers	table
B enabled		F appendaction	
lua	table	F appendgroup	
B alwaysstripcode		F compile	
F compile		F disableaction	
F loadedluacode		F disablegroup	
N nofstrippedbytes		F enableaction	
N nofstrippedchunks		F enablegroup	
F stripbytecode		D functions	
B stripcode		F localize	
F strippedbytecode		F new	
F strippedloadstring		F nodeprocessor	
packers	table	F prependaction	
F hashed		F prependgroup	
F new		F removeaction	
F pack		F setkind	
F simplehashed		F tostring	
F strip		setters	table
F unpack		F disable	
N version		F enable	
parsers	table	F initialize	
F add_settings_to_array		F list	
F arguments_to_table		F new	
F array_to_string		F register	
F getparameters		F reset	
F hash_to_string		F show	
F listitem		stacker	table
F make_settings_to_hash_pattern		F new	
T patterns		storage	table
U settings_to_array		F allocate	

F checked		F accesstable	
F mark		F definetable	
F marked		F encapsulate	
F setinitializer		F insertaftervalue	
F sparse		F insertbeforevalue	
strings	table	F migratetable	
F collapseCrLf		F removevalue	
F newrepeater		templates	table
F nice		F load	
F striplong		F replace	
F tabtospace		F resolve	
tables	table		

visualizers (context)

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

F bibtexshort	F position	
F chainattribute	F reverse	
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	include	function
F lowerall	index	function
F match	inheritedconvert	function
F name	inject	function
F position	inject_element	function
F reverse	inject_element_after	function
F stripped	inject_element_before	function
F tag	injectafter	function
F tags	injectbefore	function
F text	insert	function
F upper	insert_element	function
F upperall	insert_element_after	function
T xml	insert_element_before	function
F all	insertafter	function
F att	insertbefore	function
F attribute	insertcomment	function
F attributes	inspect	function
F cdata	is_valid	function
F chainattribute	kind	function
F count	last	function
F default	load	function
F elements	lpath	function
F empty	lpathcached	function
F first	lpathcalls	function
F function	lshow	function
F index	makestandalone	function
F last	match	function
F lowerall	name	function
F match	newhandlers	function
F name	nodesettostring	function

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

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