

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 vf visualizers xml **zip** **zlib**

ConTEXt MkIV

global (alias: _G)

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

<code>noads</code>	<code>table</code>	<code>streams</code>	<code>table</code>
<code>node</code>	<code>table</code>	<code>string</code>	<code>table</code>
<code>nodes</code>	<code>table</code>	<code>stripmath</code>	<code>function</code>
<code>number</code>	<code>table</code>	<code>structures</code>	<code>table</code>
<code>os</code>	<code>table</code>	<code>table</code>	<code>table</code>
<code>outputpagetree</code>	<code>function</code>	<code>tex</code>	<code>table</code>
<code>package</code>	<code>table</code>	<code>texconfig</code>	<code>table</code>
<code>pagebuilders</code>	<code>table</code>	<code>texio</code>	<code>table</code>
<code>pairs</code>	<code>function</code>	<code>toboollean</code>	<code>function</code>
<code>parametersets</code>	<code>table</code>	<code>tocontext</code>	<code>function</code>
<code>pcall</code>	<code>function</code>	<code>token</code>	<code>table</code>
<code>pdf</code>	<code>table</code>	<code>tokens</code>	<code>table</code>
<code>physics</code>	<code>table</code>	<code>tonumber</code>	<code>function</code>
<code>print</code>	<code>function</code>	<code>tostring</code>	<code>function</code>
<code>profiler</code>	<code>table</code>	<code>trace_characters</code>	<code>boolean</code>
<code>protect</code>	<code>function</code>	<code>traceback</code>	<code>function</code>
<code>rawequal</code>	<code>function</code>	<code>tracers</code>	<code>table</code>
<code>rawget</code>	<code>function</code>	<code>trackers</code>	<code>table</code>
<code>rawset</code>	<code>function</code>	<code>type</code>	<code>function</code>
<code>regimes</code>	<code>table</code>	<code>typesetters</code>	<code>table</code>
<code>report_characters</code>	<code>function</code>	<code>unicode</code>	<code>table</code>
<code>require</code>	<code>function</code>	<code>unpack</code>	<code>function</code>
<code>resolvers</code>	<code>table</code>	<code>url</code>	<code>table</code>
<code>scripts</code>	<code>table</code>	<code>utf</code>	<code>table</code>
<code>select</code>	<code>function</code>	<code>utilities</code>	<code>table</code>
<code>set</code>	<code>table</code>	<code>vf</code>	<code>table</code>
<code>setfenv</code>	<code>function</code>	<code>visualizers</code>	<code>table</code>
<code>setmetatable</code>	<code>function</code>	<code>xml</code>	<code>table</code>
<code>socket</code>	<code>table</code>	<code>xmlconvert</code>	<code>function</code>
<code>sorters</code>	<code>table</code>	<code>xpcall</code>	<code>function</code>
<code>statistics</code>	<code>table</code>	<code>zip</code>	<code>table</code>
<code>status</code>	<code>table</code>	<code>zlib</code>	<code>table</code>
<code>storage</code>	<code>table</code>		

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 hsvtorgb
F hsvtorgb
F iccprofile
F isblack
N main
S model
F mpcolor
F mpoptions
U none
F popset

F pushset
F register
D registered
F registerspotcolor
F rgb
F rgbtocmyk
F rgbtorgb
F rgbtorgb
F rgbtorgb
N selector
F setlist
F setmodel
D sets
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
F handler
F register
D registered

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

backends (context)

codeinjections	table		F registeredsymbol
	F synchronizecolormodel		F registerpagecloseaction
current	string		F registerpageopenaction
defaults	table		F registersymbol
	T codeinjections		F setfieldcalculationset
	T nodeinjections		F setfigurealternative
	T registrations		F setfigurecolospace
	D tables		F setfiguremask
install	function		F setformat
nodeinjections	table		F setformsmethod
	F restore		F setpagetransition
	F save		F setupcanvas
	F transform		F setupidentity
nothing	function		F setxmpfile
pdf	table		F startlayer
	T codeinjections		F stoplayer
	F addbookmarks		F supportedformats
	F attachmentid		F useviewerlayer
	F clonefield		F validfield
	F definefield		F validfieldcategory
	F definefieldset		F validfieldset
	F defineviewerlayer	S comment	
	F embedfile	T nodeinjections	
	F enabletags	F addtags	
	F exportformdata	F attachfile	
	F finalizepage	F cmykcolor	
	F finishreference	F comment	
	F getdefaultfieldvalue	F destination	
	F getfieldcategory	F effect	
	F getfieldset	F graycolor	
	F getformatoption	F injectbitmap	
	F getoutputfilename	F insertmovie	
	F getpreviewfigure	F insertsound	
	F insertrenderingwindow	F insertswf	
	F mergereferences	F insertu3d	
	F mergeviewerlayers	F knockout	
	F prerollreference	F negative	
	F presetsymbol	F overprint	
	F presetsymbollist	F positive	
	F processrendering	F reference	
	F registerdocumentcloseaction	F rgbcolor	
	F registerdocumentopenaction	F spotcolor	

F startlayer	T gray	
F stoplayer	T green	
F transparency	T red	
F typesetfield	T rulecolors	
T registrations	T black	
F cmykindexcolor	T blue	
F cmykspotcolor	T gray	
F getspotcolorreference	T green	
F grayindexcolor	T paleblue	
F grayspotcolor	T palegray	
F rgbindexcolor	T palegreen	
F rgbspotcolor	T palered	
F spotcolorname	T red	
F transparency	F startslant	
T tables	T stopslant	
T vfspecials	registrations	table
T black	tables	table
T blue		

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		load	function
F short		new	function
authoryearref	function	singularorplural	function
authoryearsref	function	statistics	table
convert	function	N nofbytes	
hacks	table	N nofdefinitions	
F add		N nofshortcuts	
F doifalreadyplaced		toxml	function
F filterall			

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 keeptogether
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
table	function

catcodes (context)

`names` data table
`numbers` data table

`register` function

characters (context)

activeoffset	number	is_spacing	data table
adobename	function	lcchars	data table
bidirectional	data table	lccode	function
blocks	data table	lccodes	data table
categories	data table	lettered	function
category	function	lower	function
categorytags	data table	makeactive	function
combined	data table	math	table
contextname	function	mathpairs	data table
data	data table	ranges	data table
decomposed	data table	registerentities	function
define	function	remap_hangul_syllable	function
description	function	remapentity	function
descriptions	data table	safechar	function
directions	table	setcodes	function
encodes	data table	shape	function
entities	data table	shaped	function
fallbacks	data table	shchars	data table
filters	data table	shcodes	data table
fromnumber	function	specialchars	data table
fschars	data table	specials	data table
fscodes	data table	subscripts	table
getrange	function	superscripts	table
graphemes	data table	synonyms	data table
hangul	table	tex	table
F decomposed		D accentmapping	
F description		F defineaccents	
F leadconsonant		F toutf	
T remapped		tonumber	function
initialize	function	ucchars	data table
is_character	data table	uccode	function
is_command	data table	uccodes	data table
is_letter	data table	unicodechar	function
is_mark	data table	upper	function

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

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

dostarttextfile	function	fontlookupnoffound	function
dostoptextfile	function	forceendjob	function
ecolumn	function	forcequitjob	function
elapsedtime	function	format	function
enablecolor	function	formatcolor	function
enablecolorintents	function	formatgray	function
enablefontcolorchemes	function	freezerandomseed	function
enableparbuilder	function	from	function
enableregime	function	getbuffer	function
enablespellchecking	function	getbufferctxlua	function
enabletransparency	function	getbuffermkvi	function
enhancelinkedlist	function	getcommandline	function
enhancelist	function	getctxfile	function
enhancereference	function	getcurrentprefixspec	function
erasebuffer	function	getcurrentreferencemetadata	function
expandcurrentreference	function	getdefaultfieldvalue	function
exportformdata	function	getfieldcategory	function
exportreferences	function	getfirstcharacter	function
featureattribute	function	getfirsttwopassdata	function
featurelist	function	getfloatvariable	function
feedback	function	getinternalreference	function
fetchhallmarks	function	getlasttwopassdata	function
fetchmultipar	function	getmarking	function
fetchmultishape	function	getmessage	function
fetchonemark	function	getprivateattribute	function
fetchposboxes	function	getprivatechar	function
fetchtwomarks	function	getprogram	function
filterdefaultreference	function	getrandomcounta	function
filterreference	function	getrandomcountb	function
finalizebox	function	getrandomseed	function
findtwopassdata	function	getreadfilename	function
firstcountinterval	function	gettexbuffer	function
firstinset	function	gettwopassdata	function
flushfloat	function	gettwopassdatalist	function
flushpostponedblocks	function	geturl	function
fontchar	function	grabbuffer	function
fontcollectionclone	function	helpaction	function
fontcollectiondefine	function	helpreference	function
fontcollectionprepare	function	hexstringtonumber	function
fontcollectionregister	function	hour	function
fontcollectionreport	function	hyphenatedlist	function
fontcollectionreset	function	hyphenatedurl	function
fontlookupgetkey	function	D characters	
fontlookupgetkeyofindex	function	N lefthyphenmin	
fontlookupinitialize	function	D mapping	

N righthyphenmin		mixflushrest	function
F setcharacters		mixgetsplit	function
incrementedcounter	function	mixsetsplit	function
initializetextrackers	function	mixstate	function
injectcurrentreference	function	molecule	function
injectreference	function	month	function
inlinechemical	function	monthmnem	function
insertattachment	function	monthname	function
insertcomment	function	mpcolor	function
insertfield	function	mpoptions	function
insertionnumber	function	namedstructureuservariable	function
insertrenderingwindow	function	namedstructurevariable	function
insertsoundclip	function	nbfs	function
installedlanguages	function	nextcountervalue	function
installtextracker	function	nextparallel	function
languagenumber	function	nofdays	function
lastcountervalue	function	nofitems	function
lchexnumber	function	nofstackedfloats	function
lchexnumbers	function	noteprefixednumber	function
leapyear	function	notetitle	function
linenumbersstageone	function	ntimes	function
linenumbersstagetwo	function	number	function
listlabel	function	objectnumber	function
listlocation	function	objectpage	function
listprefixednumber	function	octnumber	function
listprefixedpage	function	octstringtonumber	function
listrealpage	function	ordinal	function
listsize	function	overloadbookmark	function
listtitle	function	pagestaterealpage	function
listuserdata	function	parpos	function
loadexamodes	function	pdfrotation	function
loadfontgoodies	function	percentageof	function
loadspellchecklist	function	pgfxcolorspec	function
loadtypescriptfile	function	placeparallel	function
loadvisualizer	function	popfloat	function
locatefilepath	function	popitaliccorrection	function
locfilename	function	poplist	function
logoptions	function	popregime	function
markregionbox	function	popsectionblock	function
mathrenderset	function	pos	function
maxitemwidth	function	posplus	function
minute	function	posstrut	function
mixcleanup	function	poswhd	function
mixfinalize	function	posxy	function
mixflushlist	function	prepareMPvariable	function

preparebibtexsession	function	replacemissingcharacters	function
preparedfile	function	replacepospxywhd	function
presetsymbollist	function	resavefloat	function
presettabulate	function	resetcounter	function
prevcountervalue	function	resetfontfeature	function
processbuffer	function	resetfontsolution	function
processedfile	function	resetmarking	function
processedfiles	function	resetmathitalics	function
processfile	function	resetnullfont	function
processfilemany	function	resetparallel	function
processfilenone	function	resetreference	function
processfileonce	function	resetstructureprocessor	function
processlist	function	resettimer	function
pushfloat	function	restartcounter	function
pushitaliccorrection	function	restorecounter	function
pushlist	function	restorecurrentattributes	function
pushregime	function	romannumerals	function
pushsectionblock	function	runbuffer	function
rawcharacter	function	safechar	function
rawcountervalue	function	savebuffer	function
rawdate	function	savecounter	function
referencepagestate	function	savecurrentattributes	function
referencerealpage	function	savedlistnumber	function
registerattachment	function	savedlistprefixednumber	function
registerbibtexentry	function	savedlisttitle	function
registerbibtexfile	function	savefloat	function
registerbookmark	function	saveobject	function
registerbuttons	function	saveparallel	function
registercolor	function	savestructureblock	function
registercolorintent	function	savetaggedtwopassdata	function
registeredviewerlayer	function	savetwopassdata	function
registerhelp	function	second	function
registeritemgroup	function	selectstructureblock	function
registerlinenumbering	function	setbreakpoints	function
registermaintextcolor	function	setcharactercasing	function
registernamespace	function	setcharactercleaning	function
registerpostponedblock	function	setcharacterkerning	function
registerrendering	function	setcharacterspacing	function
registersoundclip	function	setcharacterstripping	function
registerstructureprocessor	function	setcloseddocumentaction	function
registertransparency	function	setclosepageaction	function
registerunit	function	setcolormodel	function
relatemarking	function	setcounter	function
removemissingcharacters	function	setdataset	function
renderingvar	function	setdigitsmanipulation	function

setdirection	function	settagdescriptionsymbol	function
setdocumentenvironments	function	settagfigure	function
setdocumentmodes	function	settaghighlight	function
setdocumentmodules	function	settagitemgroup	function
setfigurelookuporder	function	settagproperty	function
setfontfeature	function	settagsorting	function
setfontofid	function	settagsynonym	function
setfontsolution	function	settagtablecell	function
setformat	function	settagtabulatecell	function
setformsmethod	function	setupbookmarks	function
setinsertionlocation	function	setupcanvas	function
setinterfaceconstant	function	setupcharacterspacing	function
setinterfaceelement	function	setupexport	function
setinterfacemessage	function	setupfontexpansion	function
setinterfacemessages	function	setupfontprotrusion	function
setinterfacevariable	function	setupidentity	function
setinternalreference	function	setupinsertion	function
setlanguageexceptions	function	setupitaliccorrection	function
setlanguagesynonym	function	setuplinenumbering	function
setlayer	function	setvisual	function
setmarking	function	setxmpfile	function
setmathalphabet	function	showassigerror	function
setmathalternate	function	showattributes	function
setmathattribute	function	showchardata	function
setmathitalics	function	showcounter	function
setmathstyle	function	showfontparameters	function
setnextinternalreference	function	showhyphenatedinlist	function
setobject	function	showmessage	function
setopendocumentaction	function	splitfilename	function
setopenpageaction	function	spotcolorname	function
setowncounter	function	spotcolorparent	function
setpagestate	function	spotcolorvalue	function
setpagestaterealpageno	function	startchemical	function
setpagetransition	function	startcolorset	function
setparbuilder	function	startcomponent	function
setpos	function	startenvironment	function
setrandomseed	function	startfontsolution	function
setrealign	function	startparbuilder	function
setreferencearguments	function	startproduct	function
setreferenceattribute	function	startproject	function
setreferenceoperation	function	startregime	function
setsectionblock	function	startsectionlevel	function
setstructureblockstate	function	starttag	function
settagcombination	function	starttext	function
settagdescription	function	startviewerlayer	function

stopchemical	function	useanyfile	function
stopcolorset	function	usecldfile	function
stopcomponent	function	usecolors	function
stopenvironment	function	usecomponent	function
stopfontsolution	function	useenvironment	function
stopparbuilder	function	usefile	function
stopproduct	function	usejavascriptpreamble	function
stopproject	function	usejavascriptscripts	function
stopregime	function	uselibrary	function
stopsectionlevel	function	useluafile	function
stoptag	function	usemodules	function
stoptext	function	usepath	function
stopviewerlayer	function	useproduct	function
storejavascriptcode	function	useproject	function
storejavascriptpreamble	function	usesubpath	function
structureautocatcodedget	function	usesymbols	function
structurecatcodedget	function	usetexfile	function
structuregivencatcodedget	function	useurl	function
structurenumber	function	usexmlfile	function
structuretitle	function	usezipfile	function
structureuservariable	function	utfchar	function
structurevariable	function	utfmathclass	function
subcountervalues	function	utfmathcommand	function
subff	function	utfmathfiller	function
subfs	function	utfmathstretch	function
synchronizecolormodel	function	visual	function
synchronizemarking	function	vspacing	function
taggedmathfunction	function	vspacingcollapse	function
testcase	function	vspacingdefine	function
textime	function	vspacingsetamount	function
transparencycomponents	function	vspacingsnap	function
triggereffect	function	weekday	function
triggernegative	function	weekdayname	function
truefilename	function	widthofstring	function
typebuffer	function	writestatus	function
typefile	function	x_table_cleanup	function
typestring	function	x_table_construct	function
uchexnumber	function	x_table_create	function
uchexnumbers	function	x_table_flush	function
undefinechemical	function	x_table_init_construct	function
unicodechar	function	x_table_init_reflow_height	function
unit	function	x_table_init_reflow_width	function
unloadlanguage	function	x_table_next_row	function
updatefilenames	function	x_table_reflow_height	function
useMPLibrary	function	x_table_reflow_width	function

<code>x_table_set_construct</code>	<code>function</code>	<code>x_table_set_reflow_width</code>	<code>function</code>
<code>x_table_set_reflow_height</code>	<code>function</code>	<code>year</code>	<code>function</code>

containers (context)

`cleanname` `function`
`content` `function`
`define` `function`
`is_usable` `function`

`is_valid` `function`
`read` `function`
`usecache` `boolean`
`write` `function`

converters (context)

Alphabetic	function	leapyear	function
Character	function	maxchrs	function
Characters	function	minute	function
Romannumerals	function	month	function
abjadnodotnumerals	function	nofdays	function
abjadnumerals	function	number	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

coroutine (basic lua)

<code>coco</code>	boolean	<code>running</code>	function
<code>create</code>	function	<code>status</code>	function
<code>cstacksize</code>	function	<code>wrap</code>	function
<code>resume</code>	function	<code>yield</code>	function

ctxrunner (context)

load function
prepfiles data table

resolve function

debug (basic lua)

<code>debug</code>	function	<code>getupvalue</code>	function
<code>getfenv</code>	function	<code>setfenv</code>	function
<code>gethook</code>	function	<code>sethook</code>	function
<code>getinfo</code>	function	<code>setlocal</code>	function
<code>getlocal</code>	function	<code>setmetatable</code>	function
<code>getmetatable</code>	function	<code>setupvalue</code>	function
<code>getregistry</code>	function	<code>traceback</code>	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)

<code>data</code>	data table
<code>disable</code>	function
<code>enable</code>	function
<code>list</code>	function

<code>name</code>	string
<code>register</code>	function
<code>report</code>	function
<code>show</code>	function

document (context)

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

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	setargument	function
inputfilebarename	string	splitarguments	function
inputfilename	string	texfile	function
inputfilesuffix	string	texmfos	string
jobfilename	string	texos	string
jobfilesuffix	string	texroot	string
loadluafile	function	truefilename	function

epdf (extra tex)

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

experiments (context)

<code>data</code>	data table
<code>disable</code>	function
<code>enable</code>	function
<code>list</code>	function

<code>name</code>	string
<code>register</code>	function
<code>report</code>	function
<code>show</code>	function

figures (context)

applyratio	function	hash	function
bases	table	identifiers	data table
B enabled		identify	function
F find		include	function
T found		includers	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)

<code>addsuffix</code>	function	<code>loadchecksum</code>	function
<code>basename</code>	function	<code>nameonly</code>	function
<code>checksum</code>	function	<code>nametotable</code>	function
<code>collapsepath</code>	function	<code>needs_updating</code>	function
<code>copy</code>	function	<code>needsupdating</code>	function
<code>dirname</code>	function	<code>readdata</code>	function
<code>expandname</code>	function	<code>removesuffix</code>	function
<code>extname</code>	function	<code>replacesuffix</code>	function
<code>is_qualified_path</code>	function	<code>robustname</code>	function
<code>is_readable</code>	function	<code>savechecksum</code>	function
<code>is_rootbased_path</code>	function	<code>savedata</code>	function
<code>is_writable</code>	function	<code>splitname</code>	function
<code>isreadable</code>	function	<code>splitpath</code>	function
<code>iswritable</code>	function	<code>strip</code>	function
<code>join</code>	function	<code>suffix</code>	function
<code>joinpath</code>	function	<code>syncmtimes</code>	function

floats (context)

<code>analysemethod</code>	<code>function</code>	<code>nofstacked</code>	<code>function</code>
<code>checkedpagefloat</code>	<code>function</code>	<code>pop</code>	<code>function</code>
<code>collect</code>	<code>function</code>	<code>push</code>	<code>function</code>
<code>consult</code>	<code>function</code>	<code>resave</code>	<code>function</code>
<code>flush</code>	<code>function</code>	<code>save</code>	<code>function</code>
<code>getvariable</code>	<code>function</code>	<code>stacked</code>	<code>function</code>

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)

<code>apply_afmfile</code>	<code>function</code>	<code>info</code>	<code>function</code>
<code>apply_featurefile</code>	<code>function</code>	<code>open</code>	<code>function</code>
<code>close</code>	<code>function</code>	<code>to_table</code>	<code>function</code>
<code>fields</code>	<code>function</code>	<code>totable</code>	<code>function</code>
<code>fullinfo</code>	<code>function</code>		

fonts (context)

analyzers table

- D initializers
- D methods
- F setstate
- B useunicodemarks

checkers table

- F missing

cid table

- F getmap
- F loadfile

collections table

- F clonevector
- F define
- T definitions
- F prepare
- F process
- F registermain
- F report
- F reset
- T vectors

constructors table

- F aftercopyingcharacters
- F applymanipulators
- F assignmathparameters
- B autocleanup
- F beforecopyingcharacters
- D cache
- F calculatyscale
- F checkedfeatures
- F checkedfilename
- F cleanupable
- F collectprocessors
- D designsizes
- D dontembed
- F enhanceparameters
- N factor
- F finalize
- F getfeatureaction
- F hashfeatures
- F hashinstance
- T hashmethods
 - F normal

- F virtual

- F initializefeatures

- T keys

- T character

- S depth

- S height

- S italic

- S width

- T description

- T boundingbox

- S depth

- S height

- S width

- T parameters

- S ascender

- S descender

- S designsize

- T expansion

- S auto

- S shrink

- S step

- S stretch

- S extendfactor

- S factor

- S hfactor

- S mathsize

- T protrusion

- S auto

- S quad

- S scaledpoints

- S scriptpercentage

- S scriptscriptpercentage

- S size

- S slantfactor

- S slantperpoint

- T spacing

- S extra

- S shrink

- S stretch

- S width

- T synonyms

- S em

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

D data	S Ccircumflex
F filename	S Cdotaccent
F register	S Dcaron
F getcompositions	S Dstroke
T list	S Eacute
F compositions	S Ebreve
F designsizes	S Ecaron
F expansions	S Ecircumflex
F featureset	S Ediaeresis
F files	S Edieresis
F mathematics	S Edotaccent
F protrusions	S Egrave
F solutions	S Emacron
F typefaces	S Eogonek
F load	S Eumlaut
F prepare_features	S Gbreve
F register	S Gcircumflex
F registerpostprocessor	S Gdotaccent
F report	S Hcircumflex
handlers	S Hstroke
table	S IJ
T afm	S IJligature
B addkerns	S Iacute
B addligatures	S Ibreve
B addtexligatures	S Icircumflex
B autoprefixed	S Idiaeresis
D cache	S Idieresis
D features	S Idotaccent
T helpdata	S Igrave
T bothkerned	S Imacron
S AE	S Iogonek
S AEligature	S Itilde
S Aacute	S Iumlaut
S Abreve	S Jcircumflex
S Acircumflex	S Kcedilla
S Adiaeresis	S Lacute
S Adieresis	S Lcaron
S Agrave	S Lcedilla
S Amacron	S Lslash
S Aogonek	S Lstroke
S Aring	S Nacute
S Atilde	S Ncaron
S Aumlaut	S Ncedilla
S Cacute	S Ntilde
S Ccaron	S OE
S Ccedilla	

S OEligature	S aacute
S Oacute	S abreve
S Obreve	S acircumflex
S Ocircumflex	S adiaeresis
S Odiaeresis	S adieresis
S Odieresis	S ae
S Ograve	S aeligature
S Ohungarumlaut	S agrave
S Omacron	S amacron
S Oslash	S aogonek
S Ostroke	S aring
S Otilde	S atilde
S Oumlaut	S aumlaut
S Racute	S cacute
S Rcaron	S ccaron
S Rcedilla	S ccedilla
S Sacute	S ccircumflex
S Scaron	S cdotaccent
S Scedilla	S dcaron
S Scircumflex	S dotlessI
S Ssharp	S dotlessJ
S Tcaron	S dotlessi
S Tcedilla	S dotlessj
S Tstroke	S dstroke
S Uacute	S eacute
S Ubreve	S ebreve
S Ucircumflex	S ecaron
S Udiaeresis	S ecircumflex
S Udieresis	S ediaeresis
S Ugrave	S edieresis
S Uhungarumlaut	S edotaccent
S Umacron	S egrave
S Uogonek	S emacron
S Uring	S eogonek
S Utilde	S eumlaut
S Uumlaut	S gbreve
S Wcircumflex	S gcircumflex
S Yacute	S gdotaccent
S Ycircumflex	S hcircumflex
S Ydiaeresis	S hstroke
S Ydieresis	S iacute
S Ygrave	S ibreve
S Zacute	S icircumflex
S Zcaron	S idiaeresis
S Zdotaccent	S idieresis

S idotaccent	S ubreve
S igrave	S ucircumflex
S ij	S udiaeresis
S ijligature	S udieresis
S imacron	S ugrave
S iogonek	S uhungarumlaut
S itilde	S umacron
S iumlaut	S uogonek
S jcircumflex	S uring
S kcedilla	S utilde
S lacute	S uumlaut
S lcaron	S wcircumflex
S lcedilla	S yacute
S lslash	S ycircumflex
S lstroke	S ydiaeresis
S nacute	S ydieresis
S ncaron	S ygrave
S ncedilla	S zacute
S ntilde	S zcaron
S oacute	S zdotaccent
S obreve	T leftkerned
S ocircumflex	S AE
S odiaeresis	S AEligature
S odieresis	S IJ
S oe	S IJligature
S oeligature	S OE
S ograve	S OEligature
S ohungarumlaut	S Ssharp
S omacron	S ae
S oslash	S aeligature
S ostroke	S ij
S otilde	S ijligature
S oumlaut	S oe
S racute	S oeligature
S rcaron	S ssharp
S rcedilla	T ligatures
S sacute	T f
S scaron	T ff
S scedilla	T fi
S scircumflex	T fl
S ssharp	T i
S tcaron	T s
S tcedilla	T rightkerned
S tstroke	S AE
S uacute	S AEligature

S IJ	N version
S IJligature	T pfb
S OE	T tfm
S OEligature	D features
S Ssharp	F setfeatures
S ae	T vf
S aeligature	T combinations
S ij	F combine
S ijligature	T combiner
S oe	D commands
S oeligature	F find
S ssharp	D helpers
T texligatures	D math
T endash	D predefined
T hyphen	D whatever
T quoteleft	hashes
T quoteright	table
F load	D characters
F setfeatures	D csnames
B syncspace	D descriptions
N version	T dynamics
T otf	D emwidths
F addfeature	D exheights
D cache	D identifiers
T chainhandlers	D italics
F normal	D lastmathids
F verbose	D marks
F collectlookups	D parameters
F dataset	T processes
S defaultbasealternate	D properties
S defaultnodealternate	D quads
D enhancers	D resources
D features	T setdynamics
F getalternate	D xheights
T glists	helpers
F load	table
F scriptandlanguage	F addprivate
F setcontextchain	F dimenfactor
F setdynamics	F fontpatternhassize
F setfeatures	F getdigitwidth
T tables	F getparameters
D baselines	F getprivatenode
D features	F hasprivate
D languages	F nametoslot
D scripts	F setdigitwidth
	F splitfontpattern
	iterators
	table

F characters	D cache
F descriptions	F cleanfilename
F glyphs	F cleanname
loggers table	F collect
T category_to_placeholder	F collectfiles
S ll	F collectspec
S lm	T data
S lo	B enabled
S lt	F exists
S lu	T filters
S mc	F afm
S me	F dfont
S mn	T list
S nd	T names
S nl	F otf
S no	T paths
S pc	F pfb
S pd	F ttc
S pe	F ttf
S pf	S fontconfigfile
S pi	F getfilename
S po	F getlookupkey
S ps	F getlookups
S sc	F getpaths
S sk	F identify
S sm	F is_permitted
S so	F list
F format	F load
F onetimemessage	B loaded
F register	F lookup
F reportdefinedfonts	F noflookups
F reportusedfeatures	S osfontdirvariable
mappings table	F readdata
F addtounicode	F register
F fromunicode16	F registered
F loadfile	F resolve
F loadline	F resolvedspecification
F loadlumtable	F resolvespec
F makenameparser	B saved
F reset	F specification
F tounicode16	D specifications
F tounicode16sequence	F splitspec
names table	N version
S basename	F writedata
B be_clever	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	
specifiers	table
D contextmerged	
F contextnumber	

D contextnumbers	
D contextsetups	
F contexttostring	
F mergecontext	
F presetcontext	
F registercontext	
F showcontext	
F splitcontext	
D synonyms	
D variants	
symbols	table
F uselibrary	
tables	table
tracers	table
typefaces	data table

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)

<code>boxes</code>	<code>function</code>
<code>checksize</code>	<code>function</code>
<code>clone</code>	<code>function</code>
<code>copy</code>	<code>function</code>
<code>immediatwrite</code>	<code>function</code>
<code>keys</code>	<code>function</code>
<code>new</code>	<code>function</code>
<code>node</code>	<code>function</code>

<code>ofindex</code>	<code>function</code>
<code>package</code>	<code>function</code>
<code>print</code>	<code>function</code>
<code>scan</code>	<code>function</code>
<code>serialize</code>	<code>function</code>
<code>totable</code>	<code>function</code>
<code>types</code>	<code>function</code>
<code>write</code>	<code>function</code>

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 setcloseddocument
F setclosepage
F setopendocument
F setopenpage

renderings table

F register
F rendering
F var

soundclips table

F insert
F register

interfaces (context)

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

io (basic lua)

ask	function	o_limiters	table
bytes	function	T paranoid	
characters	function	open	overloaded function
close	function	open_ro	function
exists	function	output	function
fileseparator	string	pathseparator	string
flush	function	popen	overloaded function
i_limiter	function	read	function
i_limiters	table	readnumber	function
T paranoid		readstring	function
input	function	savedata	function
limiter	function	size	function
lines	function	stderr	userdata
loadchunk	function	stdin	userdata
loaddata	function	stdout	userdata
loadlines	function	tmpfile	function
noflines	function	type	function
o_limiter	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		D collected	
F setall		T components	
F setdim		T tobesaved	
D tobesaved		T branches	
F upperleft		S name	
F upperright		S type	
F width		variables	table
F x		D checksums	
F xy		D collected	
F y		F save	
register	function	D tobesaved	
save	function	version	number
structure	table		

lang (basic tex)

<code>clean</code>	<code>function</code>
<code>clear_hyphenation</code>	<code>function</code>
<code>clear_patterns</code>	<code>function</code>
<code>exceptions</code>	<code>function</code>
<code>hyphenate</code>	<code>function</code>
<code>hyphenation</code>	<code>function</code>
<code>id</code>	<code>function</code>

<code>new</code>	<code>function</code>
<code>patterns</code>	<code>function</code>
<code>postexhyphenchar</code>	<code>function</code>
<code>posthyphenchar</code>	<code>function</code>
<code>preexhyphenchar</code>	<code>function</code>
<code>prehyphenchar</code>	<code>function</code>

languages (context)

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

layouts (context)

status table

F leftorrightpagection

F isleftpage

lfs (extra lua)

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

libraries (context)

basiclua data table
basictex data table
builtin data table

extralua data table
extratex data table
globals data table

lmx (context)

convert	function	pv	function
escape	function	reset	function
get	function	result	function
htmfile	function	set	function
include	function	show	function
lmxfile	function	showdebuginfo	function
loadedfile	function	showerror	function
make	function	tv	function
new	function	type	function
overloaderror	function	urlescape	function
popupfile	function	variable	function
print	function	variables	data table

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

lpeg (basic lua)

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

<code>cleanuptempfiles</code>	<code>function</code>	<code>showjobstat</code>	<code>function</code>
<code>registerstartactions</code>	<code>function</code>	<code>showtexstat</code>	<code>function</code>
<code>registerstopactions</code>	<code>function</code>	<code>starttime</code>	<code>number</code>
<code>registertempfile</code>	<code>function</code>		

lxml (context)

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

<code>F show</code>		<code>tag</code>	function
<code>F sort</code>		<code>text</code>	function
<code>splitid</code>	function	<code>tofile</code>	function
<code>startraw</code>	function	<code>toparameters</code>	function
<code>stopraw</code>	function	<code>toverbatim</code>	function
<code>store</code>	function	<code>verbatim</code>	function
<code>strip</code>	function	<code>withinindex</code>	function
<code>stripped</code>	function	<code>xmltexhandler</code>	data table

math (basic lua)

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

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	makempy	table
checkformat	function	N nofconverted	
checktexts	function	F processgraphics	
colorinitializer	function	metafun	table
convert	function	F interpolate	
defaultformat	string	F topath	
directrun	function	method	number
edefsxsy	function	mptopdf	table
escaped	function	F convertmpstopdf	
exectime	table	N nofconverted	
filterclippath	function	multipass	boolean
finder	function	n	number
flush	function	optimize	boolean
flushers	table	parse	function
T pdf		pdfliterals	function
F comment		pluginactions	function
F flushfigure		process	function
F startfigure		processplugins	function
F stopfigure		reducetogray	boolean
F textfigure		reporterror	function
flushliteral	function	reset	function
flushnormalpath	function	resetlastlog	function
flushreset	function	resetplugins	function
format	function	resettexts	function
formatnumber	function	setoutercolor	function
getclippath	function	settext	function
gettext	function	showlog	boolean
graphic	function	tex	table
graphic_base_pass	function	F get	
graphic_extra_pass	function	F reset	
intermediate	table	F set	
T actions		texerrors	boolean
F makempy		texttextsdata	function
B needed		theclippath	function
lastlog	string	totable	function
load	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`
`new` `function`

`pen_info` `function`
`version` `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)

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

nodes (context)

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

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

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

number (context)

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

os (basic lua)

<code>__getenv__</code>	function	<code>resolvers</code>	table
<code>__setenv__</code>	function	<code>resultof</code>	function
<code>binsuffix</code>	string	<code>runtime</code>	function
<code>binsuffixes</code>	table	<code>selfdir</code>	string
<code>clock</code>	function	<code>setenv</code>	overloaded function
<code>date</code>	function	<code>setlocale</code>	overloaded function
<code>difftime</code>	function	<code>sleep</code>	function
<code>env</code>	data table	<code>spawn</code>	overloaded function
<code>exec</code>	overloaded function	<code>time</code>	function
<code>execute</code>	overloaded function	<code>times</code>	function
<code>exit</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>name</code>	string	<code>uuid</code>	function
<code>platform</code>	string	<code>where</code>	function
<code>remove</code>	function	<code>which</code>	function
<code>rename</code>	function		

package (basic lua)

<code>appendtolibpath</code>	<code>function</code>	<code>loaders</code>	<code>table</code>
<code>clibpaths</code>	<code>function</code>	<code>loadlib</code>	<code>function</code>
<code>config</code>	<code>string</code>	<code>path</code>	<code>string</code>
<code>cpath</code>	<code>string</code>	<code>preload</code>	<code>table</code>
<code>libpaths</code>	<code>function</code>	<code>prependtolibpath</code>	<code>function</code>
<code>loaded</code>	<code>table</code>	<code>seeall</code>	<code>function</code>

pagebuilders (context)

`mixedcolumns` `table`

`F cleanup`

`F finalize`

`F getlist`

`F getrest`

`F getsplit`

`F setsplit`

pdf (basic tex)

<code>immediateobj</code>	<code>function</code>
<code>mapfile</code>	<code>function</code>
<code>mapline</code>	<code>function</code>
<code>maxobjnum</code>	<code>function</code>
<code>obj</code>	<code>function</code>
<code>objtype</code>	<code>function</code>
<code>pageattributes</code>	<code>string</code>
<code>pageref</code>	<code>function</code>

<code>pageresources</code>	<code>string</code>
<code>pagesattributes</code>	<code>string</code>
<code>pdfmapfile</code>	<code>function</code>
<code>pdfmapline</code>	<code>function</code>
<code>print</code>	<code>function</code>
<code>refobj</code>	<code>function</code>
<code>registerannot</code>	<code>function</code>
<code>reserveobj</code>	<code>function</code>

physics (context)

units table	S ⁻¹
T tables	S ⁻²
T shortcuts	S ⁻³
T operators	S ⁻¹
S *	S ⁻²
S .	S ⁻³
S /	T units
S :	S A
T prefixes	S B
S E	S Hz
S G	S W
S M	S b
S P	S g
S T	S h
S Y	S hz
S Z	S l
S a	S lx
S c	S m
S d	S n
S da	S s
S f	S t
S h	S v
S k	S ℃
S m	S
S n	T units
S p	T operators
S u	S OutOf
S y	S Per
S z	S Solidus
T suffixes	S Times
S +1	T packaged
S +2	S Micron
S +3	S mmHg
S -1	T prefixes
S -2	S Atto
S -3	S Centi
S 1	S Deca
S 2	S Deci
S 3	S Exa
S ⁺¹	S Exbi
S ⁺²	S Femto
S ⁺³	S Gibi

S Giga	S Astronomical Unit
S Hecto	S Atm
S Kibi	S Atmosphere
S Kilo	S Atomic Mass Unit
S Mebi	S Bar
S Mega	S Barn
S Micro	S Baud
S Milli	S Bel
S Nano	S Bequerel
S Pebi	S Bit
S Peta	S Byte
S Pico	S Cal
S Root	S Calorie
S Tebi	S Candela
S Tera	S Celsius
S Yobi	S Coulomb
S Yocto	S Dalton
S Yotta	S Day
S Zebi	S Degree Celsius
S Zepto	S Degree Fahrenheit
S Zetta	S Degrees Celsius
T suffixes	S Degrees Fahrenheit
S Cubic	S Dyne
S ICubic	S Electron Volt
S ILinear	S Erg
S ISquare	S Erlang
S Inverse	S Fahrenheit
S Linear	S Farad
S Square	S Foot
T symbols	S Gal
S %	S Gauss
S ArcMinute	S Gon
S ArcSecond	S Grad
S Degree	S Gram
S Degrees	S Gray
S Percent	S Hectare
S Permille	S Henry
S Promille	S Hertz
S °	S Hg
S	S Hour
S	S Inch
T units	S Joule
S AMU	S Katal
S Ampere	S Kelvin
S Angstrom	S Knot

S Liter	S Phot
S Litre	S Poise
S Lumen	S Radian
S Lux	S Rev
S Maxwell	S Revolution
S Meter	S Second
S Metre	S Siemens
S Metric Ton	S Sievert
S Minute	S Steradian
S Mol	S Stilb
S Mole	S Stokes
S Nautical Mile	S Tesla
S Neper	S Tonne
S Newton	S Volt
S Oersted	S Watt
S Ohm	S Weber
S Pascal	S eV

profiler (extra lua)

`pause` `function`
`resume` `function`

`start` `function`
`stop` `function`

regimes (context)

disable	function
enable	function
pop	function
process	function

push	function
toregime	function
translate	function

resolvers (context)

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

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 install	
luacnfspec	string	N threshold	
luacnfstate	string	setenv	function
macros	table	setinstance	function
F convertfile		settrace	function
F decodecomment		showpath	function
F enablecomment		simplescanfiles	function
F encodecomment		splitconfigurationpath	function
F preprocessed		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
registerintrees	function	variableofformatorsuffix	function
registermethod	function	wildcardpattern	function

scripts (context)

categorytonumber	data table	handlers	data table
colors	data table	hash	table
defaults	table	installdataset	function
N inter_char_half_shrink_factor		installmethod	function
N inter_char_half_stretch_factor		numbertocategory	data table
N inter_char_hangul_penalty		numbertodataset	data table
N inter_char_quarter_shrink_factor		preprocess	function
N inter_char_quarter_stretch_factor		reset	function
N inter_char_shrink_factor		set	function
N inter_char_stretch_factor			

set (context)

`contains` `function`
`create` `function`
`tolist` `function`

`tonumber` `function`
`totable` `function`

socket (extra lua)

BLOCKSIZE	number		F keep-open
_DEBUG	boolean		skip function
bind	function		sleep function
choose	function		smtp table
connect	function		S DOMAIN
dns	table		N PORT
		F gethostname	S SERVER
		F tohostname	N TIMEOUT
		F toip	S ZONE
ftp	table		F message
		S PASSWORD	F open
		N PORT	F send
		N TIMEOUT	source function
		S USER	sourcect table
		F command	F by-length
		F get	F default
		F open	F http-chunked
		F put	F until-closed
gettime	function		tcp function
http	table		tp table
		N PORT	N TIMEOUT
		N TIMEOUT	F connect
		S USERAGENT	try function
		F open	udp function
		F request	url table
newtry	function		F absolute
protect	function		F build
select	function		F build_path
sink	function		F escape
sinkt	table		F parse
		F close-when-done	F parse_path
		F default	F unescape
		F http-chunked	

sorters (context)

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitsmaximum

 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
elapsedindeed	function
elapsedseconds	function
elapsedtime	function
enable	boolean
formatruntime	function
hastiming	function
memused	function
register	function
reportstorage	function

resettiming	function
runtime	function
savefmtstatus	function
show	function
showjobstat	function
starttiming	function
stoptiming	function
threshold	number
timed	function

status (basic tex)

list function

storage (context)

allocate	function
data	table
evaluators	table
mark	function
marked	function
max	number
min	number

nofmodules	number
noftables	number
register	function
shared	data table
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)

byte	function	quote	function
bytepairs	function	quoted	function
bytes	function	rep	function
char	function	reverse	function
characterpairs	function	split	function
characters	function	splitlines	function
checkedsplit	function	splitup	function
count	function	strip	function
dump	function	sub	function
escapedpattern	function	toboolean	function
explode	function	tocontext	function
find	function	todimen	function
format	function	topattern	function
gfind	function	toutf	function
gmatch	function	unquote	function
gsub	function	unquoted	function
is_boolean	function	upper	function
is_empty	function	utfcharacters	function
len	function	utfsplitlines	function
limit	function	utfvalues	function
lower	function	valid	function
match	function	validutf	function

structures (context)

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

T bottomfloat		F hastitledata	
S location		D internals	
S name		F iscached	
N number		F label	
T endnote		F location	
S location		F number	
S name		D ordered	
N number		F page	
T footnote		F popnesting	
S location		F prefix	
S name		F prefixednumber	
N number		F prefixedpage	
T linenote		F process	
S location		D pushed	
S name		F pushnesting	
N number		F realpage	
T topfloat		T result	
S location		F sectionnumber	
S name		F size	
N number		F title	
F define		D tobesaved	
F getdata		F userdata	
F getlocation		F uservalue	
F getname		marks	table
F getnumber		D data	
F setlocation		F define	
F setup		F exists	
D stored		F fetch	
itemgroups	table	F fetchallmarks	
F maxwidth		F fetched	
F nofitems		F fetchonemark	
F register		F fetchtwomarks	
lists	table	F get	
F addto		F number	
F analyze		F relate	
D cached		F reset	
D collected		F set	
F discard		F show	
F enhance		F synchronize	
T enhancers		F title	
F filter		T tracers	
F filtercollected		F showtable	
F formulanumber		notes	table
F hasnumberdata		F checkpagechange	
F haspagedata		F define	

F deltapage
 F doifcontent
 F doifonsamepageasprevious
 F flush
 F flushpostponed
 F get
 F getn
 F getnumberpage
 F getstate
 F getsymbolpage
 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 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 executers
 F expandcurrent
 F export
 T files
 T data
 F define
 F get
 F filter
 F filterdefault
 D filters
 F from
 F get
 F getcurrentmetadata
 F getcurrentprefixspec
 F getinnermethod
 F getinternalreference
 D handlers
 F identify
 F import
 F inject
 F injectcurrentset
 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
 T resolvers
 F reference
 F section

D runners	F prepare	
F set	F process	
F setandgetattribute	F sort	
F setcomponent	F store	
F setinnermethod	D tobesaved	
F setinternalreference	F unique	
F setnextinternal	F userdata	
F setnextorder	sections	table
D specials	F autodepth	
F splitcomponent	F cct	
F splitprefix	T collected	
F splitreference	F current	
T testrunners	F currentblock	
F inner	F currentid	
F special	F currentlevel	
F special operation	F depthnumber	
F special operation with arguments	F finddata	
T testspecials	F findnumber	
F deltapage	F fullnumber	
F i	F getcurrentlevel	
F internal	F getlevel	
F page	F getnumber	
F realpage	F internalreference	
F section	D levelmap	
F userpage	D levels	
D tobereferred	F load	
D tobesaved	F matchingtilldepth	
T urls	F numberatdepth	
T data	F numbers	
F define	F popblock	
F get	F prefixedconverted	
F valid	F pushblock	
F whatfrom	F register	
registers	D registered	
F analyze	F reportstructure	
F analyzed	F save	
D collected	F set	
F compare	F setblock	
F define	F setchecker	
F enhance	F setlevel	
F extend	F setnumber	
F filter	F somelevel	
F filtercollected	F structuredata	
F finalize	F title	
F flush	D tobesaved	

F typesetnumber		tags	table
F userdata		T data	
B verbose		F detailedtag	
F way		F getid	
sets	table	F handler	
F define		D labels	
F get		F last	
F getall		F lastinchain	
D setlist		T metadata	
specials	table	D properties	
D collected		F registerdata	
F retrieve		F registermetadata	
F store		F restart	
D tobesaved		F setattributehash	
synonyms	table	F setcombination	
F analyzed		F setdescription	
D collected		F setdescriptionsymbol	
F compare		F setfigure	
F define		F sethighlight	
F filter		F setitemgroup	
F finalize		F setproperty	
F flush		F setsorting	
F meaning		F setsynonym	
F prepare		F settablecell	
F process		F settabulatecell	
F register		F start	
F registerused		F stop	
F sort		D taglist	
F synonym		T userdata	
D tobesaved			

table (basic lua)

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

tex (basic tex)

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

<code>skip</code>	<code>table</code>	<code>trackers</code>	<code>data table</code>
<code>sp</code>	<code>function</code>	<code>txtcatcodes</code>	<code>number</code>
<code>sprint</code>	<code>function</code>	<code>type</code>	<code>function</code>
<code>systemmodes</code>	<code>data table</code>	<code>uccode</code>	<code>table</code>
<code>texcatcodes</code>	<code>number</code>	<code>uniformdeviate</code>	<code>function</code>
<code>toks</code>	<code>table</code>	<code>uprint</code>	<code>function</code>
<code>tpacatcodes</code>	<code>number</code>	<code>vrbcacodes</code>	<code>number</code>
<code>tpbcacodes</code>	<code>number</code>	<code>write</code>	<code>function</code>
<code>tprint</code>	<code>function</code>		

texconfig (basic tex)

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

texio (basic tex)

`write` `function`

`write_nl` `function`

token (basic tex)

<code>command_id</code>	function	<code>get_next</code>	function
<code>command_name</code>	function	<code>is_activechar</code>	function
<code>create</code>	function	<code>is_expandable</code>	function
<code>csname_id</code>	function	<code>is_protected</code>	function
<code>csname_name</code>	function	<code>lookup</code>	function
<code>expand</code>	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
printerror	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 next_row
F create	F reflow_height
F flush	F reflow_width
F initialize_construct	F set_construct
F initialize_reflow_height	F set_reflow_height
F initialize_reflow_width	F set_reflow_width

unicode (extra lua)

ascii	table		
F byte		F gmatch	
F char		F gsub	
F dump		F len	
F find		F lower	
F format		F match	
F gfind		F rep	
F gmatch		F reverse	
F gsub		F sub	
F len		F upper	
F lower		ustring	function
F match		utf16_to_utf8	function
F rep		utf16_to_utf8_be	function
F reverse		utf16_to_utf8_le	function
F sub		utf32_to_utf8	function
F upper		utf32_to_utf8_be	function
filetype	function	utf32_to_utf8_le	function
grapheme	table	utf8	table
F byte		F byte	
F char		F char	
F dump		F dump	
F find		F find	
F format		F format	
F gfind		F gfind	
F gmatch		F gmatch	
F gsub		F gsub	
F len		F len	
F lower		F lower	
F match		F match	
F rep		F rep	
F reverse		F reverse	
F sub		F string	
F upper		F sub	
latin1	table	F toentities	
F byte		F upper	
F char		utf8_to_utf16	function
F dump		utf8_to_utf8	function
F find		utfcodes	function
F format		utfname	table
F gfind		utftype	function
		xstring	function

url (context)

addscheme function
construct function
filename function
hashed function

hasscheme function
query function
split function

utilities (context)

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

F setinitializer	tables	table
F sparse	F accesstable	
strings	F definetable	
	F encapsulate	
F collapsecrLf	F insertaftervalue	
F newrepeater	F insertbeforevalue	
F nice	F migratetable	
F striplong	F removevalue	
F tabtospace		

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	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
registerescapeline	function	writenewline	function
registerescapepattern	function	writespace	function

xml (context)

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

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

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

zip (extra lua)

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

zlib (extra lua)

<code>adler32</code>	<code>function</code>	<code>decompress</code>	<code>function</code>
<code>compress</code>	<code>function</code>	<code>decompressobj</code>	<code>function</code>
<code>compressobj</code>	<code>function</code>	<code>version</code>	<code>function</code>
<code>crc32</code>	<code>function</code>		