1 attributes backends bibtex blobs
boolean buffers builders caches
callback callbacks catcodes characters
chemicals commands containers context
converters coroutine debug dir
directives document documentdata
environment epdf experiments figures
file floats font fontloader fonts
global 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 parametersets pdf physics
profiler regimes resolvers scripts
set socket sorters statistics
status storage streams string
structures table tex texconfig
texio token tokens tracers trackers
typesetters unicode url utilities
visualizers xml xtables zip zlib

ConTeXt MkIV

global (alias: _G)

1	table		io	table
arg	table		ipairs	function
assert	function		job	table
attributes	table		lang	table
backends	table		languages	table
beginpage	function		layouts	table
bibtex	table		lfs	table
blobs	table		libraries	table
boolean	table		lmx	table
buffers	table		load	function
builders	table		loadfile	function
caches	table		loadstring	function
callback	table		logs	table
callbacks	table		lpdf	table
catcodes	table		lpeg	table
characters	table		ltn12	table
chemicals	table		lua	table
collectgarbage	function		luatex	table
commands	table		lxml	table
containers	table		math	table
context	function		mathematics	table
converters	table		md5	table
coroutine	table		metapost	table
debug	table		mime	table
dimen	function		module	function
dir	table		moduledata	table
directives	table		modules	table
document	table		mplib	table
documentdata	table		newline	function
dofile	function		newproxy	function
endpage	function		next	function
environment	table		noads	table
epdf	table		node	table
error	function		nodes	table
experiments	table		number	table
figures	table		os	table
file	table		outputpagestree	function
floats	table		package	table
font	table		pairs	function
fontloader	table		parametersets	table
fonts	table		pcall	function
gcinfo	function		pdf	table
getfenv	function		physics	table
getmetatable	function		print	function
getreadfilename	function		profiler	table
global	table		protect	function
gzip	table		rawequal	function
img	table		rawget	function
inspect	function		rawset	function
interactions	table		regimes	table
interfaces	table		report_characters	function

require	function	toboolean	function
resolvers	table	tocontext	function
scripts	table	token	table
select	function	tokens	table
set	table	tonumber	function
setfenv	function	tostring	function
setmetatable	function	trace_characters	boolean
short_operators	table	traceback	function
short_prefixes	table	tracers	table
short_units	table	trackers	table
socket	table	type	function
sorters	table	typesetters	table
statistics	table	unicode	table
status	table	unpack	function
storage	table	url	table
streams	table	utf	table
string	table	utilities	table
stripmath	function	visualizers	table
structures	table	xml	table
table	table	xpcall	function
tex	table	xtables	table
texconfig	table	zip	table
texio	table	zlib	table

attributes (context)

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

colors   table
- N attribute
- F cmyk
- F cmyktogray
- F cmyktorgb
- F colorcomponents
- B couple
- D data
- N default
- F defineintermediatecolor
- F definemixcolor
- F definemultitonecolor
- F defineprocesscolor
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- F forcedmodel
- F forcesupport
- F formatcolor
- F formatgray
- F gray
- F graytohsv
- F handler
- F hsvtogray
- F hsvtorgb
- F iccprofile
- F isblack
- N main
- S model
- F mpcolor
- F mpoptions
- U none
- F register
- D registered
- F registerspotcolor
- F rgb
- F rgbtocmyk
- F rgbtogray
- F rgbtohsv
- N selector
- F setmodel
- 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
ofnode   function
private   function
states   table
- F disabletriggering
- F enabletriggering
- F finalize
- F initialize
- F process
- F selective
- F stacked

transparencies   table
- N attribute
- D data
- F enable
- F forcesupport
- F handler
- U none
- F register
- D registered
- B supported
- B triggering

```
    F value                             B hasorder
    D values                            D listwise
unsetvalue      number                  F register
viewerlayers    table                   D registered
    N attribute                         D scopes
    D data                              F setfeatures
    F define                            F start
    F enable                            F stop
    F forcesupport                      B supported
    F handler                           D values
```

backends (context)

codeinjections   table
current   string
defaults   table
    T codeinjections
    T nodeinjections
    T registrations
    D tables
install   function
nodeinjections   table
    F restore
    F save
    F transform
nothing   function
pdf   table
    T codeinjections
      F addbookmarks
      F addtransparencygroup
      F attachmentid
      F clonefield
      F definefield
      F definefieldset
      F defineviewerlayer
      F embedfile
      F enabletags
      F finalizepage
      F finishreference
      F getdefaultfieldvalue
      F getfieldcategory
      F getfieldset
      F getformatoption
      F getoutputfilename
      F getpreviewfigure
      F insertrenderingwindow
      F mergereferences
      F mergeviewerlayers
      F prerollreference
      F presetsymbol
      F presetsymbollist
      F processrendering
      F registerdocumentcloseaction
      F registerdocumentopenaction
      F registeredsymbol
      F registerpagecloseaction
      F registerpageopenaction
      F registersymbol
      F setfieldcalculationset
      F setfigurealternative
      F setfigurecolorspace
      F setfiguremask
      F setformat
      F setformsmethod

      F setpagetransition
      F setupcanvas
      F setupidentity
      F setxmpfile
      F startlayer
      F stoplayer
      F supportedformats
      F useviewerlayer
      F validfield
      F validfieldcategory
      F validfieldset
    S comment
    T nodeinjections
      F addtags
      F attachfile
      F cmykcolor
      F comment
      F destination
      F effect
      F graycolor
      F injectbitmap
      F insertmovie
      F insertsound
      F insertswf
      F insertu3d
      F knockout
      F negative
      F overprint
      F positive
      F reference
      F rgbcolor
      F spotcolor
      F startlayer
      F stoplayer
      F switchlayer
      F transparency
      F typesetfield
    T registrations
      F cmykindexcolor
      F cmykspotcolor
      F getspotcolorreference
      F grayindexcolor
      F grayspotcolor
      F rgbindexcolor
      F rgbspotcolor
      F spotcolorname
      F transparency
    T tables
      T vfspecials
        T black
        T blue

T green   T stopslant
T red   **registrations**   table
F startslant   **tables**   table

T green   T stopslant
T red   **registrations**   table
F startslant   **tables**   table

bibtex (context)

authorref	function		F flush	
authors	table		F nofregistered	
F concat			F process	
F inverted			F register	
F invertedshort			F registerplaced	
F normal			F reset	
F normalshort			F resolve	
F setsettings		**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	**new**	function
dimensions	function	**pack**	function
dispose	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 disable
      F enable
      F handler
      T methods
        F default
        F oneline
      D names
      D numbers
      F register
      F set
    F keeptogether
    F registertogether
    T solutions
      T splitters
        F define

    F disable
    F enable
    F optimize
    F setup
    F split
  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

caches (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	savedata	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		**push**	function
known	function		**register**	function
list	data table		**report**	function
pop	function		**table**	function

catcodes (context)

names   data table
numbers   data table
register function

activeoffset	number	**is_mark**	data table
adobename	function	**is_spacing**	data table
bidi	data table	**lcchars**	data table
blocks	data table	**lccode**	function
casemap	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_syllabe**	function
description	function	**remapentity**	function
descriptions	data table	**setcodes**	function
directions	data table	**shape**	function
enccodes	data table	**shaped**	function
entities	data table	**shchars**	data table
fallbacks	data table	**shcodes**	data table
filters	data table	**specialchars**	data table
flush	function	**specials**	data table
fromnumber	function	**subscripts**	table
fschars	data table	**superscripts**	table
fscodes	data table	**synonyms**	data table
getrange	function	**tex**	table
graphemes	data table	D accentmapping	
hangul	table	F defineaccents	
F decomposed		F toutf	
F description		**tonumber**	function
F leadconsonant		**ucchars**	data table
T remapped		**uccode**	function
initialize	function	**uccodes**	data table
is_character	data table	**unicodechar**	function
is_command	data table	**upper**	function
is_letter	data table		

chemicals (context)

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

commands (context)

Alphabetic	function	collecthelp	function
Character	function	colorcomponents	function
Characters	function	consultfloat	function
MPd	function	copyfiletolog	function
MPh	function	copyposition	function
MPll	function	counttwopassdata	function
MPlr	function	currentcomponent	function
MPp	function	currentdate	function
MPplus	function	currentenvironment	function
MPpos	function	currentproduct	function
MPrest	function	currentproject	function
MPul	function	currentregime	function
MPur	function	dayname	function
MPw	function	defineattribute	function
MPx	function	definebibtexsession	function
MPxy	function	defineconversion	function
MPy	function	definefield	function
Romannumerals	function	definefieldset	function
abjadnodotnumerals	function	definefilefallback	function
abjadnumerals	function	definefilesynonym	function
addff	function	definefont_one	function
addfs	function	definefont_two	function
addlinklistelement	function	definefontcollection	function
addstructurecounter	function	defineintermediatecolor	function
allinputpaths	function	definelinkedlist	function
alphabetic	function	definemarking	function
analysefloatmethod	function	definemultitonecolor	function
applytochars	function	defineparallel	function
applytowords	function	defineprocesscolor	function
assignbuffer	function	definespotcolor	function
autofinishstructurelevels	function	definestructureblock	function
autonextspace	function	definestructurecounter	function
autonextstructurelevel	function	definestructureset	function
autosetups	function	definetransparency	function
autostarttext	function	definetwopasslist	function
autostoptext	function	defineviewerlayer	function
boolcase	function	defrostrandomseed	function
character	function	digits	function
characters	function	disableregime	function
checkcharactersinfont	function	doanalyzeframedbox	function
checkedconversion	function	doif	function
checkedpagefloat	function	doifblackelse	function
checktwopassdata	function	doifcommonelse	function
chineseallnumerals	function	doifdimenstringelse	function
chinesecapnumerals	function	doifdrawingblackelse	function
chinesenumerals	function	doifelse	function
cleanfontname	function	doifelsebuffer	function
clonefield	function	doifelsecurrentfonthasfeature	function
clonefontcollection_one	function	doifelseintwopassdata	function
clonefontcollection_two	function	doifelsemarking	function
collectfloat	function	doifelseparallel	function

doifelsesavedfloat	function	forcequitjob	function
doifelsespaces	function	format	function
doifelsestructurecounter	function	formatcolor	function
doifelsevisualizer	function	formatgray	function
doiffieldcategoryelse	function	freezerandomseed	function
doiffieldelse	function	getbuffer	function
doiffieldsetelse	function	getbufferctxlua	function
doiffiledefineelse	function	getbuffermkvi	function
doiffileexistelse	function	getdefaultfieldvalue	function
doiffirstcharelse	function	getfieldcategory	function
doifinputfileelse	function	getfirstcharacter	function
doifinsetelse	function	getfirsttwopassdata	function
doifleapyearelse	function	getfloatvariable	function
doiflocfileelse	function	getlasttwopassdata	function
doifnot	function	getmarking	function
doifnotstructurecounter	function	getprivateattribute	function
doifolderversionelse	function	getprivatechar	function
doifoverlappingelse	function	getrandomcounta	function
doifparentfileelse	function	getrandomcountb	function
doifpositionelse	function	getrandomseed	function
doifpositionsonsamepageelse	function	getreadfilename	function
doifpositionsonthispageelse	function	gettwopassdata	function
doifstructurecounter	function	gettwopassdatalist	function
doifurldefinedelse	function	grabbuffer	function
doprocesstypescriptfile	function	helpaction	function
doreshapeframedbox	function	helpreference	function
dostarttextfile	function	hexstringtonumber	function
dostoptextfile	function	hour	function
elapsedtime	function	hyphenatedlist	function
enablecolor	function	hyphenatedurl	function
enablecolorintents	function	D characters	
enablefontcolorschemes	function	N lefthyphenmin	
enableregime	function	D mapping	
enabletransparency	function	N righthyphenmin	
enhancelinkedlist	function	F setcharacters	
erasebuffer	function	incrementedstructurecounter	function
featureattribute	function	insertattachment	function
feedback	function	insertcomment	function
fetchallmarks	function	insertfield	function
fetchonemark	function	insertrenderingwindow	function
fetchtwomarks	function	insertsoundclip	function
filterreference	function	isleapyear	function
findtwopassdata	function	languagenumber	function
firstinlist	function	laststructurecounter	function
firststructurecounter	function	lchexnumber	function
flushfloat	function	lchexnumbers	function
flushpostponedblocks	function	leapyear	function
fontchar	function	loadctxpreplist	function
fontcollectionmessage	function	loadexamodes	function
fontlookupgetkey	function	loadfontgoodies	function
fontlookupgetkeyofindex	function	loadvisualizer	function
fontlookupinitialize	function	locatefilepath	function
fontlookupnoffound	function	locfilename	function
forceendjob	function	maxitemwidth	function

minute	function	registermaintextcolor	function
molecule	function	registerpostponedblock	function
month	function	registersoundclip	function
monthmnem	function	registerstructureprocessor	function
monthname	function	registertransparency	function
mpcolor	function	relatemarking	function
mpoptions	function	removemissingcharacters	function
namedstructureuservariable	function	replacemissingcharacters	function
namedstructurevariable	function	replacepospxywhd	function
nbfs	function	resavefloat	function
nextparallel	function	resetfontcollection	function
nextstructurecounter	function	resetfontfeature	function
nofdays	function	resetmarking	function
nofitems	function	resetmathitalics	function
nofstackedfloats	function	resetnullfont	function
number	function	resetparallel	function
octnumber	function	resetstructurecounter	function
octstringtonumber	function	resetstructureprocessor	function
ordinal	function	resettimer	function
overloadbookmark	function	restartstructurecounter	function
pdfrotation	function	restorecurrentattributes	function
percentageof	function	restorestructurecounter	function
placeparallel	function	romannumerals	function
popfloat	function	runbuffer	function
popitaliccorrection	function	savebuffer	function
prepareMPvariable	function	savecurrentattributes	function
preparebibtexsession	function	savefloat	function
preparedfile	function	saveparallel	function
preparefontcollection	function	savestructureblock	function
presetsymbollist	function	savestructurecounter	function
presettabulate	function	savetaggedtwopassdata	function
prevstructurecounter	function	savetwopassdata	function
processbuffer	function	second	function
processedfile	function	selectstructureblock	function
processedfiles	function	setclosedocumentaction	function
processfile	function	setclosepageaction	function
processfilemany	function	setcolormodel	function
processfilenone	function	setfontfeature	function
processfileonce	function	setfontofid	function
pushfloat	function	setformat	function
pushitaliccorrection	function	setformsmethod	function
rawcharacter	function	setmarking	function
rawdate	function	setmathalphabet	function
referencepagestate	function	setmathalternate	function
referencerealpage	function	setmathattribute	function
registerattachment	function	setmathitalics	function
registerbibtexentry	function	setmathstyle	function
registerbibtexfile	function	setopendocumentaction	function
registerbookmark	function	setopenpageaction	function
registerbuttons	function	setownstructurecounter	function
registercolor	function	setpagetransition	function
registercolorintent	function	setrandomseed	function
registerhelp	function	setrastercolor	function
registeritemgroup	function	setrealign	function

setreferencearguments	function	subff	function
setreferenceoperation	function	subfs	function
setstructureblockstate	function	synchronizemarking	function
setstructurecounter	function	taggedmathfunction	function
settagcombination	function	testcase	function
settagdescription	function	textime	function
settagdescriptionsymbol	function	transparencycomponents	function
settagfigure	function	triggereffect	function
settaghighlight	function	triggernegative	function
settagitemgroup	function	truefilename	function
settagproperty	function	typebuffer	function
settagsorting	function	typefile	function
settagsynonym	function	typestring	function
settagtablecell	function	uchexnumber	function
settagtabulatecell	function	uchexnumbers	function
setupbookmarks	function	unicodechar	function
setupcanvas	function	unit	function
setupexport	function	updatefilenames	function
setupfontexpansion	function	useMPlibrary	function
setupfontprotrusion	function	useanyfile	function
setupidentity	function	usecldfile	function
setupitaliccorrection	function	usecolors	function
setxmpfile	function	usecomponent	function
showchardata	function	useenvironment	function
showfontparameters	function	uselibrary	function
showhyphenatedinlist	function	useluafile	function
showstructurecounter	function	usemodules	function
splitfilename	function	usepath	function
spotcolorname	function	useproduct	function
spotcolorparent	function	useproject	function
spotcolorvalue	function	usesubpath	function
startcomponent	function	usesymbols	function
startenvironment	function	usetexfile	function
startproduct	function	usexmlfile	function
startproject	function	usezipfile	function
startregime	function	utfchar	function
starttag	function	weekday	function
starttext	function	weekdayname	function
stopcomponent	function	widthofstring	function
stopenvironment	function	writestatus	function
stopproduct	function	x_table_cleanup	function
stopproject	function	x_table_construct	function
stopregime	function	x_table_create	function
stoptag	function	x_table_flush	function
stoptext	function	x_table_init_construct	function
structureautocatcodeget	function	x_table_init_reflow_height	function
structurecatcodeget	function	x_table_init_reflow_width	function
structurecountersubs	function	x_table_next_row	function
structurecountervalue	function	x_table_reflow_height	function
structuregivencatcodeget	function	x_table_reflow_width	function
structurenumber	function	x_table_set_construct	function
structuretitle	function	x_table_set_reflow_height	function
structureuservariable	function	x_table_set_reflow_width	function
structurevariable	function	year	function

containers (context)

cleanname	function		**is_valid**	function
content	function		**read**	function
define	function		**usecache**	boolean
is_usable	function		**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)

coco	boolean		**running**	function
create	function		**status**	function
cstacksize	function		**wrap**	function
resume	function		**yield**	function

debug (basic lua)

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

dir (context)

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

directives (context)

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

document (context)

arguments	data table	**setargument**	function
files	table	**setdefaultargument**	function
getargument	function	**setfilename**	function
getfilename	function		

environment (context)

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

epdf (extra tex)

Annot	function	**Object**	function
Annots	function	**PDFRectangle**	function
Array	function	**open**	function
Dict	function	**type**	function

experiments (context)

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

figures (context)

applyratio	function		**hash**	function
bases	table		**identifiers**	data table
B enabled			**identify**	function
F find			**include**	function
T found			**includers**	data table
T list			**initialize**	function
F locate			**loaded**	data table
F use			**localpaths**	data table
T used			**mergegoodies**	function
bitmapimage	function		**nofprocessed**	number
boxnumber	number		**order**	data table
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
existers	data table		**setlookups**	function
exists	function		**setpaths**	function
formats	data table		**suffixes**	data table
found	data table		**tprint**	function
get	function		**used**	data table

file (basic lua)

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

floats (context)

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

font (basic tex)

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

fontloader (extra tex)

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

fontloader (extra tex)

fonts (context)

analyzers	table		S	height
D	initializers		S	width
D	methods	T	parameters	
F	setstate		S	ascender
B	useunicodemarks		S	descender
checkers	table		S	designsize
F	missing	T	expansion	
cid	table		S	auto
F	getmap		S	shrink
F	loadfile		S	step
collections	table		S	stretch
F	clone_one		S	extendfactor
F	clone_two		S	factor
F	define		S	hfactor
T	definitions		S	mathsize
F	message	T	protrusion	
F	prepare		S	auto
F	process		S	quad
F	reset		S	scaledpoints
T	vectors		S	scriptpercentage
constructors	table		S	scriptscriptpercentage
F	applymanipulators		S	size
F	assignmathparameters		S	slantfactor
B	autocleanup		S	slantperpoint
D	cache	T	spacing	
F	calculatescale		S	extra
F	checkedfeatures		S	shrink
F	checkedfilename		S	stretch
F	cleanuptable		S	width
F	collectprocessors	T	synonyms	
D	designsizes		S	em
D	dontembed		S	ex
F	enhanceparameters		S	extra_space
N	factor		S	extraspace
F	finalize		S	slant
F	getfeatureaction		S	space
F	hashfeatures		S	space_shrink
F	hashinstance		S	space_stretch
T	hashmethods		S	spaceshrink
F	normal		S	spacestretch
F	virtual		S	x_height
F	initializefeatures		S	units
T	keys		S	vfactor
T	character		S	xheight
S	depth	T	properties	
S	height		S	autoitalicamount
S	italic		T	cidinfo
S	width		S	embedding
T	description		S	encodingbytes
T	boundingbox		S	filename
S	depth		S	finalized

```
        S fontname                          D cache
        S format                            F is_known
        S fullname                          D known
        S hasitalics                        F load
        S hasmath                           F make_unicode_vector
        S mathitalics                       D math
        S mode                              N version
        S name                      expansions       data table
        S noglyphnames              formats          data table
        S nostackmath               goodies          table
        S psname                            T colorschemes
        S textitalics                           F coloring
        S virtualized                           T data
    D loadedfonts                               F enable
    T mathactions                           F getcompositions
    S namemode                              T list
    F newfeatures                               F compositions
    N privateoffset                             F expansions
    F readanddefine                             F featureset
    F registerfeature                           F files
    B resolvevirtualtoo                         F mathematics
    F scale                                     F protrusions
    F scaled                                    F solutions
    F setfactor                                 F typefaces
    F setname                               F load
    N version                               F prepare_features
current          function                   F register
currentid        function                   F registerpostprocessor
definers         table                      F report
    F addlookup                     handlers         table
    F analyze                               T afm
    F applypostprocessors                       B addkerns
    F current                                   B addligatures
    S defaultlookup                             B addtexligatures
    F define                                    B autoprefixed
    F getspecification                          D cache
    F loadfont                                  D features
    F makespecification                         F load
    T methods                                   F setfeatures
      F install                                 B syncspace
      D variants                                N version
    F read                                  T otf
    F register                                  F addfeature
    F registered                                D cache
    F registersplit                             T chainhandlers
    F resetnullfont                                 F normal
    F resolve                                       F verbose
    T resolvers                                 F collectlookups
      F file                                    F dataset
      F name                                    D enhancers
      F spec                                    D features
definetypeface   function                       F getalternate
encodings        table                          T glists
    T agl                                       F load
```

```
    F scriptandlanguage                     S lm
    F setcontextchain                       S lo
    F setdynamics                           S lt
    F setfeatures                           S lu
    T tables                                S mc
      D baselines                           S me
      D features                            S mn
      D languages                           S nd
      D scripts                             S nl
    N version                               S no
  T pfb                                     S pc
  T tfm                                     S pd
    D features                              S pe
    F setfeatures                           S pf
  T vf                                      S pi
    T combinations                          S po
    F combine                               S ps
    T combiner                              S sc
      D commands                            S sk
    F find                                  S sm
    D helpers                               S so
    D math                                F format
    D predefined                          F onetimemessage
    D whatever                            F register
hashes          table                     F reportdefinedfonts
  D characters                            F reportusedfeatures
  D csnames                         mappings        table
  D descriptions                          F addtounicode
  T dynamics                              F fromunicode16
  D identifiers                           F loadfile
  D italics                               F loadline
  D marks                                 F loadlumtable
  D parameters                            F makenameparser
  T processes                             F reset
  D properties                            F tounicode16
  D quads                                 F tounicode16sequence
  T setdynamics                     names           table
  D xheights                              S basename
helpers         table                     B be_clever
  F addprivate                            D cache
  F dimenfactor                           F cleanfilename
  F getdigitwidth                         F cleanname
  F getparameters                         F collect
  F getprivatenode                        F collectfiles
  F hasprivate                            F collectspec
  F nametoslot                            T data
  F setdigitwidth                         B enabled
iterators       table                     F exists
  F characters                            T filters
  F descriptions                            F afm
  F glyphs                                  F dfont
loggers         table                       T list
  T category_to_placeholder                 T names
    S ll                                    F otf
```

```
        T paths                                 F afm
        F pfb                                   F check_lua
        F ttc                                   F check_tfm
        F ttf                                   F dfont
    S fontconfigfile                            F lua
    F getfilename                               F opentype
    F getlookupkey                              F otf
    F getlookups                                F pfb
    F getpaths                                  D sequence
    F identify                                  F tfm
    F is_permitted                              F ttc
    F list                                      F ttf
    F load                              specifiers       table
    B loaded                                    D contextmerged
    F lookup                                    F contextnumber
    F noflookups                                D contextnumbers
    S osfontdirvariable                         D contextsetups
    F readdata                                  F contexttostring
    F register                                  F mergecontext
    F registered                                F presetcontext
    F resolve                                   F registercontext
    F resolvedspecification                     F showcontext
    F resolvespec                               F splitcontext
    B saved                                     D synonyms
    F specification                             D variants
    D specifications                    symbols          table
    F splitspec                                 F uselibrary
    N version                           tables           table
    F writedata                         tracers          table
protrusions      data table             typefaces        data table
readers          table
```

gzip (extra lua)

close   function
lines   function
open   function

img (basic tex)

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

interactions (context)

attachments table
    F insert
    F register
fields table
    F clone
    F define
    F defineset
    F insert
general table
    F getidentity
    F setupidentity
help table
    F collect
    F reference
    F register
javascripts table
    F addtopreamble
    F code
    D codes
    F flushpreambles
    D functions
    D preambles

    F setpreamble
    F storecode
    F storepreamble
    F usepreamblenow
    F usescripts
linkedlists table
pages table
    F setpagetransition
    F setupcanvas
references table
    F setclosedocument
    F setclosepage
    F setopendocument
    F setopenpage
renderings table
    F register
    F rendering
    F var
soundclips table
    F insert
    F register

interfaces (context)

addvalidkeys	function	F define	
cachedsetups	data table	F list	
cachesetup	function	**setconstant**	function
complete	data table	**setelement**	function
constants	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		**out**	table
bytes	function		F inhibit	
characters	function		D modes	
checkopeners	function		F permit	
close	function		**output**	function
exists	function		**pathseparator**	string
fileseparator	string		**popen**	overloaded function
finalizeopeners	function		**read**	function
flush	function		**readnumber**	function
inp	table		**readstring**	function
F inhibit			**registeropener**	function
D modes			**savedata**	function
F permit			**size**	function
input	function		**stderr**	userdata
lines	function		**stdin**	userdata
loaddata	function		**stdout**	userdata
noflines	function		**tmpfile**	function
open	function		**type**	function
open_ro	function		**write**	function

job (context)

comment	function
files	table
D collected	
F context	
B forcerun	
F run	
D tobesaved	
initialize	function
load	function
loadother	function
objects	table
D collected	
F doifelse	
F get	
F number	
F page	
F save	
F set	
D tobesaved	
pack	boolean
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
D collected	
F copy	
F depth	
F extra	
F height	
F lowerleft	
F lowerright	
F onsamepage	
F overlapping	
F page	
F position	
F replace	
F setall	
F setdim	
F setraw	
D tobesaved	
F upperleft	
F upperright	
F v	
F width	
F x	
F xy	
F y	
register	function
save	function
structure	table
D collected	
T tobesaved	
T branches	
S name	
S type	
variables	table
D checksums	
D collected	
F save	
D tobesaved	
version	number

lang (basic tex)

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

languages (context)

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

layouts (context)

status   table
    F isleftpage
    F leftorrightpagection

lfs (extra lua)

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

libraries (context)

basiclua	data table		**extralua**	data table	
basictex	data table		**extratex**	data table	
builtin	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	id	function
adddocumentcolorspace	function	injectxmpinfo	function
adddocumentextgstate	function	insertxmpinfo	function
adddocumentpattern	function	javascript	function
adddocumentshade	function	launch	function
addtocatalog	function	layerreference	function
addtoinfo	function	limited	function
addtonames	function	linearshade	function
addtopageattributes	function	link	function
addtopageresources	function	null	function
addtopagesattributes	function	number	function
addxmpinfo	function	pagedestination	function
array	function	pagereference	function
boolean	function	pdfcolor	function
checkedkey	function	pdftimestamp	function
checkedvalue	function	protectresources	boolean
circularshade	function	reference	function
cmykcode	function	registerannotation	function
collectedresources	function	registerdocumentfinalizer	function
color	function	registerpagefinalizer	function
colorspace	function	reserveannotation	function
colorspec	function	reserveobject	function
colorvalue	function	rgbcode	function
colorvalues	function	rotationcm	function
constant	function	shareobject	function
delayedobject	function	shareobjectreference	function
dictionary	function	spotcode	function
epdf	table	stream	function
F load		string	function
finalizedocument	function	timestamp	function
finalizepage	function	toeight	function
finishtransparencycode	function	tosixteen	function
flushobject	function	transparency	function
flushstreamfileobject	function	transparencycode	function
flushstreamobject	function	transparencyvalue	function
formats	data table	unicode	function
graycode	function	verbose	function

lpeg (basic lua)

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

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

lxml (context)

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

math (basic lua)

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

mathematics (context)

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

md5 (extra lua)

HEX	function	**exor**	function
crypt	function	**hex**	function
dec	function	**sum**	function
decrypt	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		**resettextexts**	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			**textextsdata**	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		**pen_info**	function
new	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)

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

nodes (context)

after	function		F setkern	
aligned	function		F setmark	
astable	function		F setpair	
before	function	**installattributehandler**	function	
builders	table	**is_display_math**	function	
F buildpage_filter		**is_mirrored**	data table	
F vpack_filter		**is_rotated**	data table	
codes	data table	**kerncodes**	data table	
concat	function	**leftmarginwidth**	function	
count	function	**lines**	table	
delete	function	T boxed		
destinations	table	F register		
N attribute		F setup		
T done		F stage_one		
F handler		F stage_two		
T stack		F stage_zero		
dimensionfields	data table	D data		
dir_is_pop	data table	F finalize		
dir_negation	data table	F number		
fasthpack	function	N scratchbox		
fields	function	**link**	function	
fillcodes	data table	**list**	function	
firstcharacter	function	**listablefields**	data table	
firstcharinbox	function	**listcodes**	data table	
firstglyph	function	**listtoutf**	function	
getattribute	function	**load**	function	
gluecodes	data table	**locate**	function	
glyphcodes	data table	**mathcodes**	data table	
glyphdir_is_equal	data table	**noadcodes**	data table	
glyphdir_is_opposite	data table	**nodecodes**	data table	
glyphdir_is_orthogonal	data table	**packlist**	function	
handlers	table	**pardir_is_equal**	data table	
F accessibility		**pardir_is_opposite**	data table	
F backgrounds		**pardir_is_parallel**	data table	
F characters		**partextdir_is_equal**	data table	
F checkforleaks		**penaltycodes**	data table	
F checkglyphs		**pool**	table	
F cleanuppage		F baselineskip		
F export		F cleanup		
F finalize		F disc		
F graphicvadjust		F fontkern		
F migrate		F glue		
F protectglyphs		F gluespec		
F stripping		F glyph		
F unprotectglyphs		F kern		
has_attribute	function	F latelua		
idstostring	function	F leftmarginkern		
ignorablefields	data table	F leftskip		
injections	table	F lineskip		
F handler		F noad		
F setcursive		F pdfannotation		

F pdfdestination	setattributes	function
F pdfdirect	setunsetattributes	function
F pdfliteral	shifts	table
F pdfrestore	D data	
F pdfsave	F define	
F pdfsetmatrix	F enable	
F penalty	F handler	
F register	show	function
F rightmarginkern	showboxes	function
F rightskip	showcodes	function
F rule	showlist	function
F shrink	showsimplelist	function
F special	skipcodes	data table
F stretch	somepenalty	function
F temp	somespace	function
F textdir	stripping	table
F usage	F enable	
T userids	T glyphs	
N margins.inline	striprange	function
N splitters.one	tasks	table
N splitters.two	F actions	
F userlist	F appendaction	
F usernumber	F disableaction	
F userstring	F disablegroup	
F usertokens	F enableaction	
F zeroglue	F enablegroup	
print	function	F freeze	
processors	table	F freezegroup	
B enabled	F new	
F hpack_filter	F prependaction	
F post_linebreak_filter	F removeaction	
F pre_linebreak_filter	F restart	
F tracer	F showactions	
processwords	function	F table	
reference	function	textdir_is_equal	data table
references	table	textdir_is_is	data table
N attribute	textdir_is_opposite	data table
T done	textdir_is_parallel	data table
F handler	tonodes	function
T stack	tosequence	function
remove	function	totable	function
repackhlist	function	toutf	function
replace	function	tracers	table
report	function	T characters	
rightmarginwidth	function	F collect	
rules	table	F equal	
D data	F indices	
F define	F start	
F enable	F string	
F handler	F unicodes	
save	function	T colors	
serialize	function	F reset	
serializebox	function	F set	
setattribute	function	F fontchar	

```
F start                          F reset
T steppers                       F start
  F check                        F stop
  F codes                      F stop
  F features           unsetattribute        function
  F glyphs             unsetattributes       function
  F message            visualizebox          function
  F messages           whatcodes             data table
  F nofsteps           whatsitcodes          data table
  F register           writable_spec         function
```

number (context)

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

os (basic lua)

__getenv__	function		rename	function
__setenv__	function		resolvers	table
binsuffix	string		resultof	function
clock	function		runtime	function
date	function		selfdir	string
difftime	function		setenv	overloaded function
env	data table		setlocale	overloaded function
exec	overloaded function		sleep	function
execute	overloaded function		spawn	overloaded function
exit	function		time	function
getenv	overloaded function		times	function
gettimeofday	function		timezone	function
launch	function		tmpdir	function
libsuffix	string		tmpname	function
name	string		type	string
platform	string		uname	function
remove	function		uuid	function

package (basic lua)

appendtolibpath	function		**loaders**	table
clibpaths	function		**loadlib**	function
config	string		**path**	string
cpath	string		**preload**	table
libpaths	function		**prependtolibpath**	function
loaded	table		**seeall**	function

pdf (basic tex)

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

physics (context)

patterns   table

profiler (extra lua)

pause   function   **start**   function
resume function   **stop**   function

regimes (context)

disable	function		**process**	function
enable	function		**push**	function
pop	function		**translate**	function

resolvers (context)

allprefixes	function	**getownpath**	function
appendhash	function	**getreadfilename**	function
automount	function	**hashers**	data table
automounted	table	**homedir**	string
booleanvariable	function	**installinputfilehandler**	function
cacheversion	string	**installinputlinehandler**	function
checkedvariable	function	**instance**	table
cleanpath	function	D data	
cleanpathlist	function	B diskcache	
concatinators	data table	D environment	
configbanner	string	D expansions	
criticalvars	data table	D fakepaths	
dangerous	data table	D files	
datastate	function	B force_suffixes	
defaultsuffixes	table	D found	
dowithfilesandreport	function	D foundintrees	
dowithfilesintree	function	D hashed	
dowithpath	function	D hashes	
dowithvariable	function	D lists	
env	function	B loaderror	
executers	table	D order	
F check		B remember	
F execute		B renewcache	
F finalize		B renewtree	
F register		B savelists	
expandbraces	function	D setups	
expandedpathfromlist	function	D specification	
expandedpathlist	function	D variables	
expandedpathlistfromvariable	function	**jobs**	table
expandpath	function	F currentcomponent	
expandpathfromvariable	function	F justacomponent	
expansion	function	D processors	
extendtexmfvariable	function	F usefile	
~~**find_file**~~	~~function~~	**joinpath**	function
~~**find_files**~~	~~function~~	**load**	function
findbinfile	function	**loadbinfile**	function
findctxfile	function	**loaders**	data table
finders	data table	**loadlualib**	function
findfile	function	**loadtexfile**	function
findfiles	function	**loadtime**	function
findgivenfile	function	**locateformat**	function
findgivenfiles	function	**locators**	data table
findpath	function	**luacnfname**	string
findtexfile	function	**luacnfspec**	string
findwildcardfile	function	**luacnfstate**	string
findwildcardfiles	function	**macros**	table
formatofsuffix	function	F convertfile	
formatofvariable	function	F decodecomment	
formats	data table	F enablecomment	
generators	data table	F encodecomment	
getenv	function	F preprocessed	

F processmkvi		F md5	
F version		F none	
maxreadlevel	number	F strip	
methodhandler	function	F cleanname	
newinstance	function	F install	
openbinfile	function	N threshold	
openers	data table	**setenv**	function
openfile	function	**setinstance**	function
opentexfile	function	**settrace**	function
ownpath	string	**showpath**	function
prefixes	data table	**simplescanfiles**	function
prependhash	function	**splitconfigurationpath**	function
registerextrapath	function	**splitexpansions**	function
registerfile	function	**splitmethod**	function
registerfilehash	function	**splitpath**	function
registerintrees	function	**suffixes**	data table
registermethod	function	**suffixmap**	data table
registerzipfile	function	**suffixofformat**	function
relations	data table	**texdatablob**	function
renew	function	**unexpandedpath**	function
repath	function	**unexpandedpathlist**	function
reset	function	**unresolve**	function
resetextrapath	function	**updaterelations**	function
resetresolve	function	**updatescript**	function
resolve	function	**usezipfile**	function
savers	data table	**validatedpath**	function
scandata	function	**variable**	function
scanfiles	function	**variableofformat**	function
schemes	table	**variableofformatorsuffix**	function
T cleaners		**wildcardpattern**	function

scripts (context)

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

set (context)

contains	function	**tonumber**	function
create	function	**totable**	function
tolist	function		

short_operators (context)

* string   / string
. string   : string

short_prefixes (context)

E	string
G	string
M	string
P	string
T	string
Y	string
Z	string
a	string
c	string
d	string

da	string
f	string
h	string
k	string
m	string
n	string
p	string
u	string
y	string

short_units (context)

Litre	string	**m**	string
Metre	string	**n**	string
g	string	**s**	string
h	string	**u**	string
hz	string	**v**	string

socket (extra lua)

BLOCKSIZE   number
_DEBUG   boolean
bind   function
choose   function
connect   function
dns   table
    F gethostname
    F tohostname
    F toip
ftp   table
    S PASSWORD
    N PORT
    N TIMEOUT
    S USER
    F command
    F get
    F open
    F put
gettime   function
http   table
    N PORT
    N TIMEOUT
    S USERAGENT
    F open
    F request
newtry   function
protect   function
select   function
sink   function
sinkt   table
    F close-when-done
    F default
    F http-chunked

    F keep-open
skip   function
sleep   function
smtp   table
    S DOMAIN
    N PORT
    S SERVER
    N TIMEOUT
    S ZONE
    F message
    F open
    F send
source   function
sourcet   table
    F by-length
    F default
    F http-chunked
    F until-closed
tcp   function
tp   table
    N TIMEOUT
    F connect
try   function
udp   function
url   table
    F absolute
    F build
    F build_path
    F escape
    F parse
    F parse_path
    F unescape

sorters (context)

comparers   table
    F basic
constants   table
    S defaultdigits
    S defaultlanguage
    S defaultmethod
    N 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		**resettiming**	function
elapsedindeed	function		**runtime**	function
elapsedseconds	function		**savefmtstatus**	function
elapsedtime	function		**show**	function
enable	boolean		**showjobstat**	function
formatruntime	function		**starttiming**	function
hastiming	function		**stoptiming**	function
memused	function		**threshold**	number
register	function		**timed**	function
reportstorage	function			

status (basic tex)

list function

storage (context)

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

streams (context)

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

string (basic lua)

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

structures (context)

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

```
    F page                              F listindex
    F popnesting                        F number
    F prefix                            F ordered
    F prefixednumber                    F postpone
    F prefixedpage                      F resetpostponed
    F process                           F restore
    F push                              F save
    D pushed                            F setstate
    F pushnesting                       F setsymbolpage
    F realpage                          D states
    T result                            F store
    F savednumber                       F title
    F savedprefixednumber       pages                   table
    F savedtitle                        F analyze
    F sectionnumber                     D collected
    F size                              F is_odd
    F title                             F number
    D tobesaved                         F save
    F userdata                          D tobesaved
    F uservalue                 processors              table
marks                   table           F apply
    D data                              F register
    F define                            F reset
    F exists                            F split
    F fetch                             F startapply
    F fetchallmarks                     F stopapply
    F fetched                           F stripped
    F fetchonemark                      F tostring
    F fetchtwomarks             references              table
    F get                               F analyze
    F number                            F checkedfile
    F relate                            F checkedfileorurl
    F reset                             F checkedprogram
    F set                               F checkedrealpage
    F show                              F checkedurl
    F synchronize                       D collected
    F title                             U componentsplitter
    T tracers                           F currentmetadata
      F showtable                       F currentorder
notes                   table           D currentset
    F checkpagechange                   F define
    F define                            D defined
    F deltapage                         D derived
    F doifcontent                       F doifelse
    F doifonsamepageasprevious          F enableinteraction
    F flush                             F enhance
    F flushpostponed                    D executers
    F get                               F expandcurrent
    F getn                              F export
    F getnumberpage                     T files
    F getstate                            T data
    F getsymbolpage                       F define
    F internal                            F get
    F internalid                        F filter
```

```
D filters                              F special operation with arguments
F from                              T testspecials
F get                                  F deltapage
F getcurrentmetadata                   F i
F getcurrentprefixspec                 F internal
F getinnermethod                       F page
F getinternalreference                 F realpage
D handlers                             F section
F identify                             F userpage
F import                            D tobereferred
F inject                            D tobesaved
F injectcurrentset                  T urls
D internals                            T data
F load                                 F define
F loadpresets                          F get
F mark                              F whatfrom
D pages                         registers          table
U prefixsplitter                       F analyze
T productdata                          F analyzed
  T componentreferences                D collected
  T components                         F compare
  T productreferences                  F define
T programs                             F enhance
  T data                               F extend
  F define                             F filter
  F get                                F filtercollected
F realpageofpage                       F finalize
U referencesplitter                    F flush
D referred                             F prepare
F referredpage                         F process
F registerfinalizer                    F sort
F registerinitializer                  F store
F registerpage                         D tobesaved
F reportproblems                       F unique
F reset                                F userdata
T resolvers                     sections            table
  F reference                          F autodepth
  F section                            F cct
D runners                              T collected
F set                                  F current
F setandgetattribute                   F currentblock
F setcomponent                         F currentid
F setinnermethod                       F currentlevel
F setinternalreference                 F defineautolevels
F setnextinternal                      F depthnumber
F setnextorder                         F finddata
D specials                             F findnumber
F splitcomponent                       F fullnumber
F splitprefix                          F getcurrentlevel
F splitreference                       F getlevel
T testrunners                          F getnumber
  F inner                              F internalreference
  F special                            D levelmap
  F special operation                  D levels
```

```
    F load                              F filter
    F matchingtilldepth                 F finalize
    F numberatdepth                     F flush
    F numbers                           F meaning
    F popblock                          F prepare
    F prefixedconverted                 F process
    F pushblock                         F register
    F register                          F registerused
    D registered                        F sort
    F reportstructure                   F synonym
    F save                              D tobesaved
    F set                        tags                    table
    F setblock                          T data
    F setchecker                        F detailedtag
    F setlevel                          F getid
    F setnumber                         F handler
    F somelevel                         D labels
    F startautolevel                    F last
    F stopautolevel                     F lastinchain
    F structuredata                     T metadata
    F title                             D properties
    D tobesaved                         F registerdata
    F typesetnumber                     F registermetadata
    F userdata                          F restart
    B verbose                           F setattributehash
    F way                               F setcombination
sets                  table            F setdescription
    F define                            F setdescriptionsymbol
    F get                               F setfigure
    F getall                            F sethighlight
    D setlist                           F setitemgroup
specials              table            F setproperty
    D collected                         F setsorting
    F retrieve                          F setsynonym
    F store                             F settablecell
    D tobesaved                         F settabulatecell
synonyms              table            F start
    F analyzed                          F stop
    D collected                         D taglist
    F compare                           T userdata
    F define
```

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	pdffontname	function
badness	function	pdffontobjnum	function
box	table	pdffontsize	function
catcode	table	pdfpageref	function
conditionals	data table	pdfxformname	function
constants	data table	primitives	function
count	table	print	function
ctxcatcodes	number	printlist	function
definefont	function	prtcatcodes	number
delcode	table	romannumeral	function
dimen	table	round	function
dummycatcodes	number	run	function
enableprimitives	function	scale	function
error	function	scratchcatcodes	number
extraprimitives	function	set	function
finish	function	setattribute	function
fontidentifier	function	setbox	function
fontname	function	setcatcode	function
fprint	function	setcount	function
get	function	setdelcode	function
getattribute	function	setdimen	function
getbox	function	setfalse	function
getcatcode	function	setlccode	function
getcount	function	setlist	function
getdelcode	function	setmath	function
getdimen	function	setmathcode	function
getlccode	function	setnest	function
getlist	function	setsfcode	function
getmath	function	setskip	function
getmathcode	function	settoks	function
getnest	function	settrue	function
getsfcode	function	setuccode	function
getskip	function	sfcode	table
gettoks	function	shipout	function
getuccode	function	skip	table
hashtokens	function	sp	function
ifs	data table	sprint	function
iscount	function	systemmodes	data table
isdimen	function	texcatcodes	number
isskip	function	toks	table
istoken	function	tpacatcodes	number
lccode	table	tpbcatcodes	number
linebreak	function	tprint	function
lists	table	txtcatcodes	number
luacatcodes	number	type	function
mathcode	table	uccode	table
modes	data table	uniformdeviate	function
nest	table	uprint	function
nilcatcodes	number	vrbcatcodes	number
notcatcodes	number	write	function
number	function		

texconfig (basic tex)

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

texio (basic tex)

write   function
write_nl   function

texio (basic tex)

write   function
write_nl   function

token (basic tex)

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

tokens (context)

bgroup	table		T	show_methods
collectors	table			F a
T	data			F b
F	defaultwords			F c
F	dowithwords		F	showtoken
F	flush		F	test
F	handle		F	trace
F	install		**egroup**	table
F	register		**hbox**	table
T	registered		**letter**	function
T	remapper		**letters**	function
	F convert		**other**	function
	T data		**vbox**	table
	F store		**vtop**	table
F	show			

tracers (context)

count	function		**name**	function
cs	function		**primitive**	function
dimen	function		**printerror**	function
knownlist	function		**showlines**	function
lists	table		**strings**	table
T context			S undefined	
T internals			**toks**	function
T scratch			**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 enable
    F handler
    D mapping
    T methods
    F set
    F setreplacement
cases   table
    T actions
    F handler
    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
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 localhandler
    F save
paragraphs   table
    N attribute
    T droppers
     F freeze
     F set
    F handler
    F set
spacings   table
    N attribute
    F handler
    D mapping
    F set
    F setup
tonodes   function
vpack   function

unicode (extra lua)

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

url (context)

addscheme	function	**hasscheme**	function
construct	function	**query**	function
filename	function	**split**	function
hashed	function		

utilities (context)

debugger   table
- F disable
- F enable
- F savestats
- F showstats

formatters   table
- F formatcolumns
- F list
- F stripzeros

garbagecollector   table
- F check
- N criterium
- B enabled

lua   table
- F compile

packers   table
- F hashed
- F new
- F pack
- F simplehashed
- F strip
- F unpack
- N version

parsers   table
- F add_settings_to_array
- F arguments_to_table
- F array_to_string
- F getparameters
- F hash_to_string
- F listitem
- F make_settings_to_hash_pattern
- T patterns
  - U settings_to_array
  - U settings_to_hash_a
  - U settings_to_hash_b
  - U settings_to_hash_c
- F settings_to_array
- F settings_to_hash
- F settings_to_hash_strict
- F settings_to_hash_tolerant
- F settings_to_set
- F simple_hash_to_string

report   function

sequencers   table
- F appendaction

- F appendgroup
- F autocompile
- F compile
- F disableaction
- F disablegroup
- F enableaction
- F enablegroup
- D functions
- F localize
- F nodeprocessor
- F prependaction
- F prependgroup
- F removeaction
- F reset
- F setkind
- F tostring

setters   table
- F disable
- F enable
- F initialize
- F list
- F new
- F register
- F reset
- F show

storage   table
- F allocate
- F checked
- F mark
- F marked
- F setinitializer
- F sparse

strings   table
- F collapsecrlf
- F newrepeater
- F striplong
- F tabtospace

tables   table
- F accesstable
- F definetable
- F encapsulate
- F insertaftervalue
- F insertbeforevalue
- F migratetable
- F removevalue

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

after	function	F find	
all	function	F lower	
applylpath	function	F name	
assign	function	F number	
attribute	function	F oneof	
before	function	F print	
body	function	F quit	
checkbom	function	F tag	
checkerror	function	F text	
checknamespace	function	F undefined	
checkns	function	F upper	
cleansed	function	**fillin**	function
collect	function	**filter**	function
~~collect_elements~~	~~function~~	**finalizers**	table
collect_tags	function	T tex	
~~collect_texts~~	~~function~~	F all	
collected	function	F attribute	
collecttexts	function	F bibtexconcat	
content	function	F bibtexshort	
convert	function	F chainattribute	
copy	function	F command	
count	function	F concat	
cprint	function	F concatrange	
css	table	F context	
F colorspecification		F count	
F fontspecification		F ctxtext	
F padding		F default	
defaulthandlers	table	F first	
D file		F function	
D parsedxml		F index	
D string		F last	
D tex		F lettered	
D texline		F lower	
D texspace		F match	
D verbose		F name	
defaultprotocol	string	F position	
delete	function	F reverse	
~~delete_element~~	~~function~~	F stripped	
each	function	F tag	
~~each_element~~	~~function~~	F tags	
elements	function	F text	
empty	function	F upper	
entities	data table	T xml	
erase	function	F all	
escaped	function	F att	
expressions	table	F attribute	
F boolean		F attributes	
F child		F chainattribute	
F contains		F count	
F count		F default	
F error		F elements	

F empty
F first
F function
F index
F last
F match
F name
F position
F reverse
F table
F tag
F tags
F text
F texts

F unknown_any_entity
F unknown_dec_entity
F unknown_hex_entity

first	function	**position**	function
found	function	**privatecodes**	table
functions	table	**privatetoken**	function
getbuffer	function	**process**	function
gethandlers	function	~~**process_attributes**~~	~~function~~
gethandlersfunction	function	~~**process_elements**~~	~~function~~
include	function	**processattributes**	function
index	function	**profiled**	table
inheritedconvert	function	**raw**	function
inject	function	**registerentity**	function
~~**inject_element**~~	~~function~~	**registerns**	function
~~**inject_element_after**~~	~~function~~	~~**remap_name**~~	~~function~~
~~**inject_element_before**~~	~~function~~	~~**remap_namespace**~~	~~function~~
injectafter	function	~~**remap_tag**~~	~~function~~
injectbefore	function	**remapname**	function
insert	function	**remapnamespace**	function
insert_element	function	**remaptag**	function
~~**insert_element_after**~~	~~function~~	**renamespace**	function
~~**insert_element_before**~~	~~function~~	**replace**	function
insertafter	function	**replace_element**	function
insertbefore	function	**resolvens**	function
inspect	function	**root**	function
is_valid	function	**save**	function
last	function	**selection**	function
load	function	**serialize**	function
lpath	function	**sethandlersfunction**	function
lpathcached	function	**setproperty**	function
lpathcalls	function	**settings**	function
lshow	function	**specialhandler**	table
makestandalone	function	**sprint**	function
match	function	**string**	function
name	function	**strip**	function
newhandlers	function	~~**strip_whitespace**~~	~~function~~
nodesettostring	function	**stripelement**	function
originalload	function	**stripleadingspaces**	function
package	function	**table**	function
parent	function	**text**	function
parsedentitylpeg	userdata	**textonly**	function
pihandlers	table	**tocdata**	function
placeholders	table	**toelement**	function
		tostring	function
		toxml	function
		tprint	function
		traverse	function
		unescaped	function
		unprivatized	function
		withelement	function
		withelements	function
		wrap	function
		xmlns	table

xtables (context)

cleanup	function	**next_row**	function
construct	function	**reflow_height**	function
create	function	**reflow_width**	function
flush	function	**set_construct**	function
initialize_construct	function	**set_reflow_height**	function
initialize_reflow_height	function	**set_reflow_width**	function
initialize_reflow_width	function		

zip (extra lua)

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

zlib (extra lua)

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