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

ConTEXt MkIV

global (alias: _G)

_LUAVERSION	number		**file**	table
_MAJORVERSION	number		**floats**	table
_MINORVERSION	number		**font**	table
arg	table		**fontloader**	table
assert	function		**fonts**	table
attributes	table		**format_n**	function
backends	table		**frozen**	boolean
beginpage	function		**functions**	table
bibtex	table		**getmetatable**	function
bit32	table		**getreadfilename**	function
blobs	table		**global**	table
boolean	table		**graphics**	table
buffers	table		**gzip**	table
builders	table		**img**	table
caches	table		**inspect**	function
callback	table		**interactions**	table
callbacks	table		**interfaces**	table
catcodes	table		**io**	table
characters	table		**ipairs**	function
chemistry	table		**job**	table
collectgarbage	function		**lang**	table
commands	table		**languages**	table
containers	table		**layouts**	table
context	function		**lfs**	table
converters	table		**libraries**	table
coroutine	table		**lmx**	table
ctxrunner	table		**lmxconvert**	function
debug	table		**lmxnew**	function
delta	number		**load**	function
dimen	function		**loadfile**	function
dir	table		**loadstring**	function
directives	table		**logs**	table
document	table		**lp_fastpos_n**	userdata
documentdata	table		**lp_fastpos_p**	userdata
dofile	function		**lpdf**	table
endpage	function		**lpeg**	table
environment	table		**ltn12**	table
epdf	table		**lua**	table
error	function		**luatex**	table
experiments	table		**lxml**	table
figures	table		**math**	table

mathematics	table		**setmetatable**	function
mbox	table		**socket**	table
md5	table		**sorters**	table
metapost	table		**statistics**	table
mime	table		**status**	table
module	function		**storage**	table
moduledata	table		**streams**	table
modules	table		**string**	table
mplib	table		**stripmath**	function
newline	function		**structures**	table
next	function		**swiglib**	function
noads	table		**table**	table
node	table		**tex**	table
nodes	table		**texconfig**	table
number	table		**texio**	table
optionalrequire	function		**thirddata**	table
os	table		**toboolean**	function
outputpagestree	function		**token**	table
package	table		**tokens**	table
pagebuilders	table		**tonumber**	function
pairs	function		**tostring**	function
parametersets	table		**trace_characters**	boolean
pattern	userdata		**traceback**	function
pcall	function		**tracers**	table
pdf	table		**trackers**	table
pdfscanner	table		**type**	function
physics	table		**typesetters**	table
print	function		**unicode**	table
profiler	table		**unpack**	function
protect	function		**url**	table
rawequal	function		**userdata**	table
rawget	function		**utf**	table
rawlen	function		**utilities**	table
rawset	function		**vf**	table
regimes	table		**visualizers**	table
report_characters	function		**xml**	table
require	function		**xmlconvert**	function
resolve_fences	function		**xpcall**	function
resolvers	table		**zip**	table
scripts	table		**zlib**	table
select	function			
set	table			
setcharacteralign	function			
setinspector	function			

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
- D models
- F mpcolor
- F mpnamedcolor

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

define   function
effects   table
- N attribute
- D data
- F enable
- F handler
- F register
- D registered
- D values

handlers   table
list   data table
names   data table
negatives   table

N	attribute	F	resolve_begin
D	data	F	resolve_end
F	enable	F	resolve_step
F	handler	D	scopes
F	register	F	setfeatures
D	registered	F	start
numbers	data table	F	stop
ofnode	function	B	supported
private	function	D	values
showcurrent	function		

numbers   data table
ofnode   function
private   function
showcurrent   function
states   table

    F disabletriggering

    F enabletriggering

    F finalize

    F initialize

    F process

    F selective

    F stacked

    F stacker

transparencies   table

    N attribute

    D data

    F enable

    F forcesupport

    F handler

    U none

    F register

    D registered

    B supported

    B triggering

    F value

    D values

unsetvalue   number
viewerlayers   table

    N attribute

    D data

    F define

    F enable

    F forcesupport

    F handler

    B hasorder

    D listwise

    F register

    D registered

backends (context)

codeinjections table
   F synchronizecolormodel
current string
defaults table
   T codeinjections
   T nodeinjections
   T registrations
   D tables
install function
nodeinjections table
   F restore
   F save
   F transform
nothing function
pdf table
   T codeinjections
    F addbookmarks
    F attachmentid
    F clonefield
    F definefield
    F definefieldset
    F defineviewerlayer
    F embedfile
    F enabletags
    F exportformdata
    F finalizepage
    F finishreference
    F getdefaultfieldvalue
    F getfieldcategory
    F getfieldset
    F getformatoption
    F getoutputfilename
    F getpreviewfigure
    F insertrenderingwindow
    F mergereferences
    F mergeviewerlayers
    F prerollreference
    F presetsymbol
    F presetsymbollist
    F processrendering
    F registerdocumentcloseaction

    F registerdocumentopenaction
    F registeredsymbol
    F registerpagecloseaction
    F registerpageopenaction
    F registersymbol
    F setfieldcalculationset
    F setfigurealternative
    F setfigurecolorspace
    F setfiguremask
    F setformat
    F setformsmethod
    F setpagetransition
    F setupcanvas
    F setupidentity
    F setxmpfile
    F startlayer
    F stoplayer
    F supportedformats
    F useviewerlayer
    F validfield
    F validfieldcategory
    F validfieldset
   S comment
   T nodeinjections
    F addtags
    F attachfile
    F changestackedlayer
    F cmykcolor
    F comment
    F destination
    F effect
    F graycolor
    F injectbitmap
    F insertmovie
    F insertsound
    F insertswf
    F insertu3d
    F knockout
    F negative
    F overprint
    F positive

F reference

　F rgbcolor

　F spotcolor

　F startlayer

　F startstackedlayer

　F stoplayer

　F stopstackedlayer

　F transparency

　F typesetfield

T registrations

　F cmykindexcolor

　F cmykspotcolor

　F getspotcolorreference

　F grayindexcolor

　F grayspotcolor

　F rgbindexcolor

　F rgbspotcolor

　F spotcolorname

　F transparency

T tables

　D vfspecials

registrations　table

tables　table

bibtex (context)

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

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext   function
tonumber   function

buffers (context)

append	function
assign	function
collectcontent	function
erase	function
exists	function
getcontent	function
getlines	function
loadcontent	function
parallel	table

    F define

    F hassomecontent

    F next

    F place

    F reset

    F save

prepend	function
raw	function

builders (context)

kernel   table
- F hyphenation
- F kerning
- F ligaturing
- F mlist_to_hlist

paragraphs   table
- T constructors
  - N attribute
  - F define
  - F disable
  - F enable
  - F handler
  - T methods
    - F 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 resetprevdepth
- F setmap
- F setskip
- F snapbox
- F tocategories
- F tocategory
- F vboxhandler

caches (context)

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

callback (basic tex)

find   function
list   function
register overloaded function

callbacks (context)

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

catcodes (context)

names   data table
numbers   data table
register function

characters (context)

activeoffset	number	**otfscripts**	data table
adobename	function	**ranges**	data table
bidi	data table	**registerentities**	function
blockrange	function	**remap_hangul_syllabe**	function
blocks	data table	**safechar**	function
casemap	table	**setcodes**	function
categories	data table	**shape**	function
category	function	**shaped**	function
categorytags	data table	**shchars**	data table
combined	data table	**shcodes**	data table
contextname	function	**showstring**	function
data	data table	**specialchars**	data table
decomposed	data table	**specials**	data table
define	function	**subscripts**	table
description	function	**superscripts**	table
descriptions	data table	**synonyms**	data table
directions	table	**tex**	table
enccodes	data table	D accentmapping	
entities	data table	F defineaccents	
fallbacks	data table	F toutf	
filters	data table	**textclasses**	table
fromnumber	function	**tonumber**	function
fschars	data table	**ucchars**	data table
fscodes	data table	**uccode**	function
getrange	function	**uccodes**	data table
graphemes	data table	**unicodechar**	function
hangul	data table	**upper**	function
initialize	function		
is_character	data table		
is_command	data table		
is_letter	data table		
is_mark	data table		
is_spacing	data table		
lcchars	data table		
lccode	function		
lccodes	data table		
lettered	function		
lower	function		
math	table		
mathpairs	data table		
mirrors	table		

chemistry (context)

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

commands (context)

Alphabetic	function	**autonextspace**	function
Character	function	**autonextstructurelevel**	function
Characters	function	**autosetups**	function
MPc	function	**autostarttext**	function
MPd	function	**autostoptext**	function
MPh	function	**averagecharwidth**	function
MPll	function	**bcolumn**	function
MPlr	function	**boolcase**	function
MPls	function	**character**	function
MPn	function	**characters**	function
MPp	function	**chardescription**	function
MPpardata	function	**checkcharactersinfont**	function
MPplus	function	**checkcountersetup**	function
MPpos	function	**checkedconversion**	function
MPposset	function	**checkedpagefloat**	function
MPr	function	**checktwopassdata**	function
MPrest	function	**chemicalcomponent**	function
MPrs	function	**chineseallnumerals**	function
MPul	function	**chinesecapnumerals**	function
MPur	function	**chinesenumerals**	function
MPw	function	**cleanfontname**	function
MPx	function	**cleanupbox**	function
MPxy	function	**cleanuplayers**	function
MPxywhd	function	**clonefield**	function
MPy	function	**collectfloat**	function
Romannumerals	function	**collecthelp**	function
abjadnodotnumerals	function	**colorcomponents**	function
abjadnumerals	function	**concatcommalist**	function
addcounter	function	**consultfloat**	function
addlinklistelement	function	**copyposition**	function
addtojavascriptpreamble	function	**cos**	function
addtolist	function	**cosd**	function
allinputpaths	function	**countervalue**	function
alphabetic	function	**counttwopassdata**	function
analysefloatmethod	function	**currentcomponent**	function
analyzelist	function	**currentdate**	function
applytochars	function	**currentenvironment**	function
applytofirstcharacter	function	**currentproduct**	function
applytowords	function	**currentproject**	function
assignbuffer	function	**currentreferencedefault**	function
autofinishstructurelevels	function	**currentreferenceorder**	function

currentregime	function	**defineviewerlayer**	function
currentsectiontolist	function	**defrostrandomseed**	function
datasetvariable	function	**digits**	function
dayname	function	**disableautofontscript**	function
defineattribute	function	**disableparbuilder**	function
definebibtexsession	function	**disableregime**	function
definebreakpoint	function	**disablespellchecking**	function
definebreakpoints	function	**discardfromlist**	function
definecharacterspacing	function	**doanalyzeframedbox**	function
definechemical	function	**doif**	function
defineconversion	function	**doifblackelse**	function
definecounter	function	**doifcommonelse**	function
definedviewerlayer	function	**doifcounter**	function
definefallbackfamily	function	**doifdimenstringelse**	function
definefield	function	**doifdrawingblackelse**	function
definefieldset	function	**doifelse**	function
definefilefallback	function	**doifelsebuffer**	function
definefilesynonym	function	**doifelsecontinuewithfile**	function
definefont_one	function	**doifelsecounter**	function
definefont_two	function	**doifelsecurrentfonthasfeature**	function
definefontfamily	function	**doifelseintwopassdata**	function
definefontfeature	function	**doifelsemarking**	function
definefontsolution	function	**doifelsemessage**	function
defineinsertion	function	**doifelsemultipar**	function
defineintermediatecolor	function	**doifelseparallel**	function
definelabels	function	**doifelsepositionsused**	function
definelanguage	function	**doifelserangeonpage**	function
definelinkedlist	function	**doifelsereference**	function
definemarking	function	**doifelsesavedfloat**	function
definemetafont	function	**doifelsespaces**	function
definemultitonecolor	function	**doifelseutfmathabove**	function
definenote	function	**doifelseutfmathaccent**	function
defineparallel	function	**doifelseutfmathbelow**	function
defineparbuilder	function	**doifelsevisualizer**	function
defineprocesscolor	function	**doiffieldcategoryelse**	function
defineprogram	function	**doiffieldelse**	function
definereference	function	**doiffieldsetelse**	function
definesectionlevels	function	**doiffiledefinedelse**	function
defineselectfont	function	**doiffileexistelse**	function
definespotcolor	function	**doiffirstcharelse**	function
definestructureblock	function	**doifinputfileelse**	function
definestructureset	function	**doifinsetelse**	function
definetransparency	function	**doifleapyearelse**	function
definetwopasslist	function	**doiflisthasentry**	function

doiflisthasnumberelse	function	**fetchallmarks**	function
doiflisthaspageelse	function	**fetchmultipar**	function
doiflisthastitleelse	function	**fetchmultishape**	function
doiflocfileelse	function	**fetchonemark**	function
doifnot	function	**fetchposboxes**	function
doifnotcounter	function	**fetchtwomarks**	function
doifnotecontent	function	**figurefilename**	function
doifnoteonsamepageasprevious	function	**figurefilepath**	function
doifobjectreferencefoundelse	function	**figurefiletype**	function
doiffolderversionelse	function	**figurerequest**	function
doifoverlappingelse	function	**figurestatus**	function
doifparentfileelse	function	**figureused**	function
doifposition	function	**figurevariable**	function
doifpositionelse	function	**filterdefaultreference**	function
doifpositiononpage	function	**filterreference**	function
doifpositionsonsamepageelse	function	**finalizebox**	function
doifpositionsonthispageelse	function	**findtwopassdata**	function
doifurldefinedelse	function	**firstcountervalue**	function
doprocesstypescriptfile	function	**firstinset**	function
doreshapeframedbox	function	**flushfloat**	function
dostarttextfile	function	**flushnotes**	function
dostoptextfile	function	**flushpostponedblocks**	function
ecolumn	function	**flushpostponednotes**	function
elapsedtime	function	**fontchar**	function
enableautofontscript	function	**fontcollectionclone**	function
enablecolor	function	**fontcollectiondefine**	function
enablecolorintents	function	**fontcollectionprepare**	function
enablefontcolorschemes	function	**fontcollectionregister**	function
enableparbuilder	function	**fontcollectionreport**	function
enableregime	function	**fontcollectionreset**	function
enablespellchecking	function	**fontlookupgetkey**	function
enabletransparency	function	**fontlookupgetkeyofindex**	function
enhancelinkedlist	function	**fontlookupinitialize**	function
enhancelist	function	**fontlookupnoffound**	function
enhancereference	function	**forceendjob**	function
erasebuffer	function	**forcequitjob**	function
expandcurrentreference	function	**format**	function
exportformdata	function	**formatcolor**	function
exportreferences	function	**formatgray**	function
extensiblecode	function	**freezerandomseed**	function
feature	function	**from**	function
featureattribute	function	**getbidimode**	function
featurelist	function	**getbuffer**	function
feedback	function	**getbufferctxlua**	function

getbuffermkvi	function	**initializetexdirectives**	function
getcommandline	function	**initializetexrackers**	function
getctxfile	function	**injectcurrentreference**	function
getcurrentprefixspec	function	**injectreference**	function
getcurrentreferencemetadata	function	**inlinechemical**	function
getdefaultfieldvalue	function	**insertattachment**	function
getfieldcategory	function	**insertcomment**	function
getfirstcharacter	function	**insertfield**	function
getfirsttwopassdata	function	**insertionnumber**	function
getfloatvariable	function	**insertrenderingwindow**	function
getinternalreference	function	**insertsoundclip**	function
getlasttwopassdata	function	**installedlanguages**	function
getmarking	function	**installtexdirective**	function
getmessage	function	**installtextracker**	function
getmpextensions	function	**languagenumber**	function
getnotestate	function	**lastcountervalue**	function
getplaceholderchar	function	**lchexnumber**	function
getprivateattribute	function	**lchexnumbers**	function
getprivatechar	function	**leapyear**	function
getprogram	function	**linenumbersstageone**	function
getrandomcounta	function	**linenumbersstagetwo**	function
getrandomcountb	function	**listgroupindex**	function
getrandomseed	function	**listlabel**	function
getreadfilename	function	**listlocation**	function
getsubstring	function	**listprefixednumber**	function
gettexbuffer	function	**listprefixedpage**	function
gettwopassdata	function	**listrealpage**	function
gettwopassdatalist	function	**listsize**	function
geturl	function	**listtitle**	function
grabbuffer	function	**listuserdata**	function
hboxtovbox	function	**loadexamodes**	function
helpaction	function	**loadfontgoodies**	function
helpreference	function	**loadspellchecklist**	function
hexstringtonumber	function	**loadtypescriptfile**	function
horizontalcode	function	**loadvisualizer**	function
hour	function	**locatefilepath**	function
hyphenatedlist	function	**locfilename**	function
hyphenatedurl	function	**makeactive**	function
D characters		**markfonts**	function
N lefthyphenmin		**markregionbox**	function
D mapping		**math_frac**	function
N righthyphenmin		**mathrenderset**	function
F setcharacters		**maxitemwidth**	function
incrementedcounter	function	**minute**	function

mixcleanup	function	**pdfstartmirroring**	function
mixfinalize	function	**pdfstartrotation**	function
mixflushlist	function	**pdfstartscaling**	function
mixflushrest	function	**pdfstopmatrix**	function
mixgetsplit	function	**pdfstopmirroring**	function
mixsetsplit	function	**pdfstoprotation**	function
mixstate	function	**pdfstopscaling**	function
molecule	function	**percentageof**	function
month	function	**pgfxcolorspec**	function
monthmnem	function	**placeparallel**	function
monthname	function	**popfloat**	function
mpcolor	function	**popitaliccorrection**	function
mpoptions	function	**poplist**	function
mprunvar	function	**popreferenceprefix**	function
namedstructureuservariable	function	**popregime**	function
namedstructurevariable	function	**popsectionblock**	function
nbfs	function	**pos**	function
nextcountervalue	function	**posplus**	function
nextparallel	function	**posstrut**	function
nofdays	function	**postponenotes**	function
nofitems	function	**poswhd**	function
nofstackedfloats	function	**posxy**	function
notedeltapage	function	**prepareMPvariable**	function
notelistindex	function	**preparebibtexsession**	function
notenumberpage	function	**preparedfile**	function
noteprefixednumber	function	**presetsymbollist**	function
notesymbolpage	function	**presettabulate**	function
notetitle	function	**prevcountervalue**	function
ntimes	function	**processbuffer**	function
number	function	**processcolorcomponents**	function
numbers	function	**processedfile**	function
objectnumber	function	**processedfiles**	function
objectpage	function	**processfile**	function
octnumber	function	**processfilemany**	function
octstringtonumber	function	**processfilenone**	function
ordinal	function	**processfileonce**	function
overloadbookmark	function	**processlist**	function
page_injections_flush_after	function	**processsplit**	function
page_injections_flush_before	function	**pushfloat**	function
page_injections_save	function	**pushitaliccorrection**	function
pagestaterealpage	function	**pushlist**	function
parpos	function	**pushreferenceprefix**	function
pdfrotation	function	**pushregime**	function
pdfstartmatrix	function	**pushsectionblock**	function

rawcharacter	function	**resettimer**	function
rawcountervalue	function	**restartcounter**	function
rawdate	function	**restorecounter**	function
referencepagestate	function	**restorecurrentattributes**	function
referencerealpage	function	**restorenote**	function
registerattachment	function	**romannumerals**	function
registerbibtexentry	function	**runbuffer**	function
registerbibtexfile	function	**safechar**	function
registerbookmark	function	**savebuffer**	function
registerbuttons	function	**savecounter**	function
registercolor	function	**savecurrentattributes**	function
registercolorintent	function	**savedlistnumber**	function
registeredviewerlayer	function	**savedlistprefixednumber**	function
registerhelp	function	**savedlisttitle**	function
registeritemgroup	function	**savefloat**	function
registerlanguagefeatures	function	**savenote**	function
registerlinenumbering	function	**saveobject**	function
registermaintextcolor	function	**saveparallel**	function
registernamespace	function	**savestructureblock**	function
registerpostponedblock	function	**savetaggedtwopassdata**	function
registerrendering	function	**savetwopassdata**	function
registersoundclip	function	**second**	function
registerstructureprocessor	function	**selectstructureblock**	function
registertransparency	function	**setbreakpoints**	function
registerunit	function	**setcharacteralign**	function
relatemarking	function	**setcharactercasing**	function
remapentity	function	**setcharactercleaning**	function
removemissingcharacters	function	**setcharacterkerning**	function
renderingvar	function	**setcharacterspacing**	function
replacemissingcharacters	function	**setcharacterstripping**	function
replacepospxywhd	function	**setclosedocumentaction**	function
resavefloat	function	**setclosepageaction**	function
resetcharacteralign	function	**setcolormodel**	function
resetcounter	function	**setcounter**	function
resetfontfeature	function	**setdataset**	function
resetfontsolution	function	**setdigitsmanipulation**	function
resetmarking	function	**setdirection**	function
resetmathattributes	function	**setdocumentenvironments**	function
resetmathitalics	function	**setdocumentfilenames**	function
resetnullfont	function	**setdocumentmodes**	function
resetparallel	function	**setdocumentmodules**	function
resetprevdepth	function	**setfigurelookuporder**	function
resetreference	function	**setfirstline**	function
resetstructureprocessor	function	**setfontfeature**	function

setfontofid	function	**settagfigure**	function
setfontsolution	function	**settaghighlight**	function
setformat	function	**settagitemgroup**	function
setformsmethod	function	**settagproperty**	function
setinitial	function	**settagsorting**	function
setinsertionlocation	function	**settagsynonym**	function
setinterfaceconstant	function	**settagtablecell**	function
setinterfaceelement	function	**settagtabulatecell**	function
setinterfacemessage	function	**setupbookmarks**	function
setinterfacemessages	function	**setupcanvas**	function
setinterfacevariable	function	**setupcharacterspacing**	function
setinternalreference	function	**setupexport**	function
setlanguageexceptions	function	**setupfontexpansion**	function
setlanguagesynonym	function	**setupfontprotrusion**	function
setlayer	function	**setupidentity**	function
setmarking	function	**setupinsertion**	function
setmathalphabet	function	**setupitaliccorrection**	function
setmathalternate	function	**setuplinenumbering**	function
setmathattribute	function	**setvisual**	function
setmathdirection	function	**setxmpfile**	function
setmathitalics	function	**showassignerror**	function
setmathstyle	function	**showattributes**	function
setnextinternalreference	function	**showcallbacks**	function
setnotestate	function	**showchardata**	function
setnotesymbolpage	function	**showcounter**	function
setobject	function	**showfontparameters**	function
setopendocumentaction	function	**showhyphenatedinlist**	function
setopenpageaction	function	**showjustification**	function
setowncounter	function	**showmessage**	function
setpagestate	function	**sin**	function
setpagestaterealpageno	function	**sind**	function
setpagetransition	function	**splitfilename**	function
setparbuilder	function	**spotcolorname**	function
setpos	function	**spotcolorparent**	function
setrandomseed	function	**spotcolorvalue**	function
setrealign	function	**startchemical**	function
setreferencearguments	function	**startcolorset**	function
setreferenceattribute	function	**startcomponent**	function
setreferenceoperation	function	**startenvironment**	function
setsectionblock	function	**startfontsolution**	function
setstructureblockstate	function	**startparbuilder**	function
settagcombination	function	**startproduct**	function
settagdescription	function	**startproject**	function
settagdescriptionsymbol	function	**startregime**	function

startsectionlevel	function	**triggernegative**	function
starttag	function	**truefilename**	function
starttext	function	**typebuffer**	function
startviewerlayer	function	**typefile**	function
stopchemical	function	**typestring**	function
stopcolorset	function	**uchexnumber**	function
stopcomponent	function	**uchexnumbers**	function
stopenvironment	function	**undefinechemical**	function
stopfontsolution	function	**unicodechar**	function
stopparbuilder	function	**unit**	function
stopproduct	function	**unloadlanguage**	function
stopproject	function	**useMPlibrary**	function
stopregime	function	**useanyfile**	function
stopsectionlevel	function	**usecldfile**	function
stoptag	function	**usecolors**	function
stoptext	function	**usecomponent**	function
stopviewerlayer	function	**useenvironment**	function
storejavascriptcode	function	**usefile**	function
storejavascriptpreamble	function	**usejavascriptpreamble**	function
storenote	function	**usejavascriptscripts**	function
strdp	function	**uselibrary**	function
strhd	function	**useluafile**	function
strht	function	**useluamodule**	function
structureautocatcodedget	function	**usemodules**	function
structurecatcodedget	function	**usepath**	function
structuregivencatcodedget	function	**useproduct**	function
structurenumber	function	**useproject**	function
structuretitle	function	**usesubpath**	function
structureuservariable	function	**usesymbols**	function
structurevariable	function	**usetexfile**	function
strwd	function	**useurl**	function
subcountervalues	function	**usexmlfile**	function
synchronizecolormodel	function	**usezipfile**	function
synchronizemarking	function	**utfchar**	function
taggedmathfunction	function	**utfmathclass**	function
tan	function	**utfmathcommand**	function
tand	function	**utfmathcommandabove**	function
testcase	function	**utfmathcommandbelow**	function
textime	function	**utfmathfiller**	function
thefirstcharacter	function	**utfmathstretch**	function
theremainingcharacters	function	**vboxlisttohbox**	function
thetexdefinition	function	**verbose**	function
transparencycomponents	function	**visual**	function
triggereffect	function	**vspacing**	function

vspacingcollapse	function
vspacingdefine	function
vspacingsetamount	function
vspacingsnap	function
way	function
weekday	function
weekdayname	function
writestatus	function
x_table_c	function
x_table_cleanup	function
x_table_construct	function
x_table_create	function
x_table_flush	function
x_table_init_construct	function
x_table_init_reflow_height	function
x_table_init_reflow_width	function
x_table_next_row	function
x_table_r	function
x_table_reflow_height	function
x_table_reflow_width	function
x_table_set_construct	function
x_table_set_reflow_height	function
x_table_set_reflow_width	function
year	function

containers (context)

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

converters (context)

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

coroutine (basic lua)

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

ctxrunner (context)

load   function
prepfiles data table
resolve   function

debug (basic lua)

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

dir (context)

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

directives (context)

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

document (context)

arguments	data table
files	table
getargument	function
getfilename	function
options	table

    T commandline

      D environments

      D modes

      D modules

    T ctxfile

      D environments

      D modes

      D modules

setargument	function
setdefaultargument	function
setfilename	function
variables	data table

environment (context)

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

epdf (extra tex)

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

experiments (context)

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

figures (context)

applyratio	function	**registersuffix**	function
bases	data table	**resources**	data table
bitmapimage	function	**scale**	function
boxnumber	number	**setlookups**	function
cachepaths	data table	**setorder**	function
check	function	**setpaths**	function
checkers	data table	**suffixes**	data table
converters	data table	**used**	data table
current	function		
defaultdepth	number		
defaultheight	number		
defaultsearch	boolean		
defaultwidth	number		
done	function		
dummy	function		
existers	data table		
exists	function		
formats	data table		
found	data table		
get	function		
guess	function		
hash	function		
identifiers	data table		
identify	function		
include	function		
includers	data table		
initialize	function		
loaded	data table		
localpaths	data table		
magics	data table		
mergegoodies	function		
nofprocessed	number		
order	data table		
paths	data table		
patterns	data table		
pop	function		
preferquality	boolean		
programs	data table		
push	function		
registerpattern	function		
registerresource	function		

file (basic lua)

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

floats (context)

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

font (basic tex)

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

fontloader (extra tex)

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

fonts (context)

analyzers   table
- T features
  - N blwf
  - N fina
  - N half
  - N init
  - N isol
  - N medi
  - N pref
  - N pstf
  - N rphf
- D initializers
- D methods
- F setstate
- T states
  - N blwf
  - N fina
  - N half
  - N init
  - N isol
  - N mark
  - N medi
  - N pref
  - N pstf
  - N rest
  - N rphf
- B useunicodemarks

checkers   table
- F getmissing
- F missing

cid   table
- F getmap
- F loadfile

collections   table
- F checkenabled
- 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 calculatescale
- F checkedfeatures
- F checkedfilename
- F checkvirtualids
- F cleanuptable
- 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
S	extra_space
S	extraspace
S	slant
S	space
S	space_shrink
S	space_stretch
S	spaceshrink
S	spacestretch
S	x_height
S	units
S	vfactor
S	xheight
T	properties
S	autoitalicamount
T	cidinfo
S	embedding

S	encodingbytes
S	filename
S	finalized
S	fontname
S	format
S	fullname
S	hasitalics
S	hasmath
S	mathitalics
S	mode
S	name
S	noglyphnames
S	nostackmath
S	psname
S	textitalics
S	virtualized
D	loadedfonts
S	namemode
F	newfeatures
F	newhandler
N	privateoffset
F	readanddefine
F	registerfeature
B	resolvevirtualtoo
F	scale
F	scaled
F	setfactor
F	setname
N	version
current	function
currentid	function
definers	table
F	addlookup
F	analyze
F	applypostprocessors
F	checkedmode
F	checkedscript
F	current
S	defaultlookup
F	define
F	getspecification
F	internal
F	loadfont
F	makespecification

F	gpos_cursive	D	dynamics
F	gpos_mark2base	D	emwidths
F	gpos_mark2ligature	D	exheights
F	gpos_mark2mark	D	extensibles
F	gpos_pair	D	features
F	gpos_single	D	identifiers
F	gsub_alternate	D	italics
F	gsub_context	D	lastmathids
F	gsub_contextchain	D	marks
F	gsub_ligature	D	parameters
F	gsub_multiple	T	processes
F	gsub_reversecontextchain	D	properties
F	gsub_single	D	quads
F	load	D	resources
F	scriptandlanguage	T	setdynamics
F	setcontextchain	D	spaces
F	setdynamics	D	spacings
F	setfeatures	D	xheights

T	statistics	**helpers** table
D	usedfeatures	F addprivate
T	tables	F dimenfactor
D	baselines	F expandglyph
D	features	F fontpatternhassize
D	languages	F getdigitwidth
D	scripts	F getparameters
N	version	F getprivatenode
T	pfb	F hasprivate
T	tfm	F name
D	features	F nametoslot
F	setfeatures	F setdigitwidth
T	vf	F splitfontpattern

iterators table

F characters
F descriptions
F glyphs

loggers table

F add_placeholders
T category_to_placeholder

T	combinations
F	combine
T	combiner
D	commands
F	find
D	helpers
D	math
D	predefined
D	whatever

hashes table

D characters
D csnames
D descriptions

S ll
S lm
S lo
S lt
S lu
S mc

S	me	F	opentype
S	mn	F	otf
S	nd	F	pfb
S	nl	D	sequence
S	no	F	tfm
S	pc	F	ttc
S	pd	F	ttf
S	pe	**select**	**table**
S	pf	T	data
S	pi	F	definetypeface
S	po	T	fallbacks
S	ps	F	filterinput
S	sc	T	methods
S	sk		F default
S	sm		F features
S	so		F file
F	format		F goodies
F	onetimemessage		F name
F	register		F selectfont
F	reportdefinedfonts		F simplefonts
F	reportusedfeatures		F spec
mappings	**table**		F style
F	addtounicode	F	registerfallback
F	fromunicode16	F	searchfiles
F	loadfile	**specifiers**	**table**
F	loadline	D	contextmerged
F	loadlumtable	F	contextnumber
F	makenameparser	D	contextnumbers
F	reset	D	contextsetups
F	tounicode16	F	contexttostring
F	tounicode16sequence	F	definecontext
mp	**table**	F	mergecontext
D	cache	F	presetcontext
B	inline	F	registercontext
N	version	F	showcontext
names	**data table**	F	splitcontext
nulldata	**data table**	D	synonyms
protrusions	**data table**	D	variants
readers	**table**	**symbols**	**table**
F	afm	F	uselibrary
F	check_lua	**tables**	**table**
F	check_tfm	**tracers**	**table**
F	dfont	**treatments**	**table**
F	lua	F	applyfixes

D data

    S filename

    F ignoredfile

    F report

    F trace

typefaces   data table

functions (context)

dummy function

graphics (context)

backgrounds table
- F calculatemultipar
- F fetchmultipar
- F pair
- F path
- F point

gzip (extra lua)

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

img (basic tex)

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

interactions (context)

attachments data table
fields   table
    F clone
    F define
    F defineset
    F insert
general   table
    F getidentity
    F setupidentity
help   table
    F collect
    F reference
    F register
javascripts table
    F addtopreamble
    F code
    D codes
    F flushpreambles
    D functions
    D preambles
    F setpreamble
    F storecode
    F storepreamble
    F usepreamblenow
    F usescripts
linkedlists data table
pages   table
    F setpagetransition
    F setupcanvas
references table
    F setclosedocument
    F setclosepage
    F setopendocument
    F setopenpage
renderings data table
soundclips data table

interfaces (context)

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

io (basic lua)

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

job (context)

comment function
datasets table
    D collected
    F extend
    F getdata
    F setdata
    D tobesaved
disablesave function
files table
    D collected
    F context
    B forcerun
    F run
    D tobesaved
initialize function
load function
loadother function
objects table
    D collected
    F get
    F number
    F page
    F save
    F set
    D tobesaved
pack boolean
packversion number
pagestates table
    D collected
    F extend
    F realpage
    F setstate
    D tobesaved
passes table
    F check
    D collected
    F count
    F define
    F find
    F first
    F get

    F getcollected
    F getdata
    F getfield
    F gettobesaved
    F inlist
    F last
    F list
    F save
    F savetagged
    D tobesaved
positions table
    F b_col
    F b_region
    F c
    D collected
    F column
    F copy
    F depth
    F e_col
    F e_region
    F enhance
    F extra
    F get
    F getreserved
    F hangafter
    F hangindent
    F height
    F hsize
    F leftskip
    F lowerleft
    F lowerright
    F markregionbox
    F n
    F onsamepage
    F overlapping
    F p
    F page
    F paragraph
    F parindent
    F position
    F r

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

lang (basic tex)

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

languages (context)

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

layouts (context)

status table

    F isleftpage

    F leftorrightpagection

lfs (extra lua)

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

libraries (context)

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

lmx (context)

color	function		**tv**	function
convert	function		**type**	function
convertfile	function		**urlescape**	function
convertstring	function		**variable**	function
einject	function		**variables**	table
eprint	function			S color-background-blue
escape	function			S color-background-body
finalized	function			S color-background-green
finject	function			S color-background-main
fprint	function			S color-background-purple
get	function			S color-background-yellow
getvariables	function			S title-default
htmfile	function			
html	table			

    F a

    F td

    F th

include function

inherited table

    S color-background-four

    S color-background-one

    S color-background-three

    S color-background-two

    S title

initialize function

inject function

lmxfile function

loadedfile function

new function

overloaderror function

popupfile function

print function

pv function

report function

reset function

result function

set function

show function

showdebuginfo function

showerror function

stripcss function

logs (context)

application	function	**simplelines**	function
categories	function	**start_page_number**	function
direct	function	**status**	function
disable	function	**stop_page_number**	function
enable	function	**subdirect**	function
exporters	table	**subreport**	function
extendbanner	function	**system**	function
flush	function	**texerrormessage**	function
help	function	**writer**	function
messenger	function		
new	function		
newline	function		
poptarget	function		
pushtarget	function		
report	function		
reportbanner	function		
reporter	function		
reporters	table		

    F banner

    F export

    F help

    F info

    F lines

    F version

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

lpdf (context)

action	function	**insertxmpinfo**	function
adddocumentcolorspace	function	**javascript**	function
adddocumentextgstate	function	**launch**	function
adddocumentpattern	function	**layerreference**	function
adddocumentshade	function	**limited**	function
addtocatalog	function	**linearshade**	function
addtoinfo	function	**link**	function
addtonames	function	**null**	function
addtopageattributes	function	**number**	function
addtopageresources	function	**pagedestination**	function
addtopagesattributes	function	**pagereference**	function
addxmpinfo	function	**pdfcolor**	function
array	function	**pdftimestamp**	function
boolean	function	**protectresources**	boolean
checkedkey	function	**reference**	function
checkedvalue	function	**registerannotation**	function
circularshade	function	**registerdocumentfinalizer**	function
cmykcode	function	**registerpagefinalizer**	function
collectedresources	function	**reserveannotation**	function
color	function	**reserveobject**	function
colorspace	function	**rgbcode**	function
colorspaceconstants	data table	**rotationcm**	function
colorspec	function	**shareobject**	function
colorvalue	function	**shareobjectreference**	function
colorvalues	function	**spotcode**	function
constant	function	**stream**	function
delayedobject	function	**string**	function
dictionary	function	**timestamp**	function
epdf	table	**toeight**	function
F expand		**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		
graycode	function		
id	function		
injectxmpinfo	function		

lpeg (basic lua)

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

ltn12 (extra lua)

BLOCKSIZE number
filter   table
    F chain
    F cycle
pump   table
    F all
    F step
sink   table
    F chain
    F error
    F file
    F null
    F simplify
    F table
source   table
    F cat
    F chain
    F empty
    F error
    F file
    F rewind
    F simplify
    F string

lua (basic tex)

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

luatex (context)

cleanuptempfiles	function
registerstartactions	function
registerstopactions	function
registertempfile	function
starttime	number

lxml (context)

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

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

math (basic lua)

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

mathematics (context)

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

mbox (context)

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

md5 (extra lua)

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

metapost (context)

analyzeplugins	function		**gettext**	function
checkformat	function		**graphic**	function
checktexts	function		**graphic_base_pass**	function
collapse	boolean		**instance**	function
colorinitializer	function		**intermediate**	table
convert	function		T actions	
defaultformat	string		F makempy	
defaultinstance	string		**lastlog**	string
defaultmethod	string		**llx**	number
directrun	function		**lly**	number
edefsxsy	function		**load**	function
escaped	function		**makempy**	table
exectime	table		N nofconverted	
extensiondata	data table		F processgraphics	
filterclippath	function		**metafun**	table
finder	function		F interpolate	
flush	function		F topath	
flushers	table		**method**	number
T pdf			**mptopdf**	table
F comment			F convertmpstopdf	
F flushfigure			N nofconverted	
F startfigure			**multipass**	boolean
F stopfigure			**n**	number
F textfigure			**nvformat**	function
flushliteral	function		**optimize**	boolean
flushnormalpath	function		**parse**	function
flushreset	function		**pdfliterals**	function
fonts	table		**pluginactions**	function
F define			**process**	function
T flusher			**processplugins**	function
F flushfigure			**quickanddirty**	function
F startfigure			**reducetogray**	boolean
F stopfigure			**reporterror**	function
N instances			**reset**	function
F process			**resetlastlog**	function
format	function		**resetplugins**	function
format_number	function		**resettextexts**	function
format_string	function		**setextensions**	function
formatnumber	function		**setoutercolor**	function
getclippath	function		**settext**	function
getextensions	function		**settextexts**	function

showlog	boolean
svformat	function
tex	table
F get	
F reset	
F set	
texerrors	boolean
textextsdata	function
theclippath	function
totable	function
unload	function
untagvariable	function
urx	number
ury	number
variables	table

mime (extra lua)

b64   function
decode   function
decodet   table
    F base64
    F quoted-printable
dot   function
encode   function
encodet   table
    F base64
    F quoted-printable
eol   function
normalize function
qp   function
qpwrp   function
stuff   function
unb64   function
unqp   function
wrap   function
wrapt   table
    F base64
    F default
    F quoted-printable
    F text
wrp   function

mplib (extra tex)

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

noads (context)

handlers   table
    F check
    F classes
    F collapse
    F families
    F italics
    F relocate
    F render
    F resize
    F showtree
    F tags
    F unscript
    F variants
process   function
processors   table
    T collapse
    F mlist_to_hlist
    T relocate
    T render
    T resize
    T unscript

node (basic tex)

copy	function
copy_list	function
count	function
current_attr	function
dimensions	function
direct	table

  F copy
  F copy_list
  F count
  F current_attr
  F dimensions
  F do_ligature_n
  F end_of_math
  F first_glyph
  F flush_list
  F flush_node
  F free
  F getbox
  F getchar
  F getfield
  F getfont
  F getid
  F getleader
  F getlist
  F getnext
  F getprev
  F getsubtype
  F has_attribute
  F has_field
  F has_glyph
  F hpack
  F insert_after
  F insert_before
  F is_direct
  F is_node
  F last_node
  F length
  F new
  F protect_glyphs
  F protrusion_skippable
  F remove

  F set_attribute
  F setbox
  F setfield
  F slide
  F tail
  F todirect
  F tonode
  F tostring
  F traverse
  F traverse_id
  F unprotect_glyphs
  F unset_attribute
  F usedlist
  F vpack
  F write

do_ligature_n	function
end_of_math	function
family_font	function
fields	function
first_character	function
first_glyph	function
flush_list	function
flush_node	function
free	function
getchar	function
getfield	function
getfont	function
getid	function
getleader	function
getlist	function
getnext	function
getprev	function
getsubtype	function
has_attribute	function
has_field	function
has_glyph	function
hpack	function
id	function
insert_after	function
insert_before	function
is_node	function

kerning	function
last_node	function
length	function
ligaturing	function
mlist_to_hlist	function
new	function
next	function
prev	function
protect_glyphs	function
protrusion_skippable	function
remove	function
set_attribute	function
setfield	function
slide	function
subtype	function
tail	function
tostring	function
traverse	function
traverse_id	function
type	function
types	function
unprotect_glyphs	function
unset_attribute	function
usedlist	function
vpack	function
whatsits	function
write	function

nodes (context)

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

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

```
F insert_list_after              F temp
F is_direct                      F textdir
F is_display_math                F usage
F is_node                        T userids
F is_nut                           N margins.inline
F kerning                          N splitters.one
F last_node                        N splitters.two
F leftmarginwidth                F userlist
F ligaturing                     F usernumber
F link                           F userstring
F linked                         F usertokens
F locate                         F vlist
F mlist_to_hlist                 F zeroglue
F new                            F prepend
T pool                           F protect_glyphs
  F baselineskip                 F protrusion_skippable
  F cleanup                      F reference
  F disc                         F remove
  F fontkern                     F repackhlist
  F glue                         F replace
  F gluespec                     F rightmarginwidth
  F glyph                        F set_attribute
  F hlist                        F setattr
  F kern                         F setattribute
  F latelua                      F setattributes
  F leftmarginkern               F setbox
  F leftskip                     F setfield
  F lineskip                     F setunsetattributes
  F noad                         F slide
  F pdfannotation                F somepenalty
  F pdfdestination               F somespace
  F pdfdirect                    F tail
  F pdfliteral                   F tonode
  F pdfrestore                   F tonodes
  F pdfsave                      F tonut
  F pdfsetmatrix                 F tostring
  F penalty                      F traverse
  F register                     F traverse_id
  F rightmarginkern              T typesetters
  F rightskip                      F fast_hpack
  F rule                           F hpack
  F shrink                         F tohpack
  F special                        F tohpackfast
  F stretch                        F tonodes
```

	F tovpack		F register	
	F tovpackfast		F rule	
	F vpack		F special	
	F unprotect_glyphs		F usage	
	F unset_attribute		T userids	
	F unsetattribute		N margins.inline	
	F unsetattributes		N splitters.one	
	F usedlist		N splitters.two	
	F vianodes	**prepend**		function
	F vianuts	**print**		function
	F vpack	**processors**		table
	F writable_spec		B enabled	
	F write		F hpack_filter	
packlist		function	F post_linebreak_filter	
pardir_is_equal		data table	F pre_linebreak_filter	
pardir_is_opposite		data table	F tracer	
pardir_is_parallel		data table	**processwords**		function
partextdir_is_equal		data table	**protect_glyphs**		function
penaltycodes		data table	**protrusion_skippable**		function
plugindata		table	**pts**		function
	F finalizer	**reference**		function
	F initializer	**references**		table
	S name		N attribute	
	T namespace		T done	
	N attribute		F handler	
	D data		T stack	
	F enable	**remove**		function
	F handler	**repackhlist**		function
	F register	**replace**		function
	D registered	**report**		function
	D values	**rightmarginwidth**		function
	F processor	**rules**		table
points		function	D data	
pool		table	F define	
	F baselineskip		F enable	
	F cleanup		F handler	
	F glyph	**save**		function
	F kern	**serialize**		function
	F latelua	**serializebox**		function
	F lineskip	**set_attribute**		function
	F pdfannotation	**setattr**		function
	F pdfdestination	**setattribute**		function
	F pdfliteral	**setattributes**		function
	F pdfsetmatrix	**setbox**		function

setfield	function	**textdir_is_opposite**	data table
setunsetattributes	function	**textdir_is_parallel**	data table
shifts	table	**tobasepoints**	function
D data		**tocentimeters**	function
F define		**tociceros**	function
F enable		**todidots**	function
F handler		**todimen**	function
show	function	**toinches**	function
showboxes	function	**tomillimeters**	function
showcodes	function	**tonewciceros**	function
showlist	function	**tonewdidots**	function
showsimplelist	function	**tonode**	function
skipcodes	data table	**tonodes**	function
slide	function	**tonut**	function
snapshots	table	**topicas**	function
F getparameters		**topoints**	function
F getsamples		**toscaledpoints**	function
F resetsamples		**tosequence**	function
F takesample		**tostring**	function
somepenalty	function	**totable**	function
somespace	function	**totree**	function
stripping	table	**toutf**	function
T glyphs		**tracers**	table
F set		T characters	
striprange	function	F collect	
tail	function	F equal	
tasks	table	F indices	
F actions		F start	
F appendaction		F string	
F disableaction		F unicodes	
F disablegroup		T colors	
F enableaction		F reset	
F enablegroup		F set	
F freeze		F setlist	
F freezegroup		F fontchar	
F new		T frequencies	
F prependaction		F register	
F removeaction		T pool	
F restart		T nodes	
F setaction		F rule	
F showactions		T nuts	
F table		F rule	
textdir_is_equal	data table	F resetproperties	
textdir_is_is	data table	F rule	

F setlist		F setlayer	
F setproperties		F setvisual	
F start		**vpack**	function
T steppers		**whatcodes**	data table
F check		**whatsitcodes**	data table
F codes		**writable_spec**	function
F features		**write**	function
F font			
F glyphs			
F message			
F messages			
F nofsteps			
F register			
F reset			
F start			
F stop			
F stop			
T transparencies			
F reset			
F set			
F setlist			
traverse	function		
traverse_id	function		
typesetters	table		
F hpack			
F tohpack			
F tohpackfast			
F tonodes			
F tovpack			
F tovpackfast			
F vpack			
unprotect_glyphs	function		
unset_attribute	function		
unsetattribute	function		
unsetattributes	function		
usedlist	function		
vianodes	function		
vianuts	function		
visualizebox	function		
visualizers	table		
F box			
F handler			
F markfonts			
F setfont			

number (context)

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

os (basic lua)

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

package (basic lua)

config	string
cpath	string
extralibpath	function
extralibpaths	function
extraluapath	function
extraluapaths	function
helpers	table
libpaths	function
loaded	table
loaders	table
loadlib	function
luapaths	function
path	string
preload	table
searchers	table
searchpath	function
seeall	function

pagebuilders (context)

injections   table
- F flushafter
- F flushbefore
- F save

mixedcolumns   table
- F cleanup
- F finalize
- F getlist
- F getrest
- F getsplit
- F setsplit

pdf (basic tex)

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

pdfscanner (context)

scan function

physics (context)

units table
   D tables

profiler (extra lua)

pause   function
resume function
start   function
stop   function

regimes (context)

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

resolvers (context)

allprefixes	function	**findfile**	function
appendhash	function	**findfiles**	function
automount	function	**findgivenfile**	function
automounted	table	**findgivenfiles**	function
booleanvariable	function	**findpath**	function
cacheversion	string	**findtexfile**	function
checkedvariable	function	**findwildcardfile**	function
cleanpath	function	**findwildcardfiles**	function
cleanpathlist	function	**formatofsuffix**	function
concatinators	data table	**formatofvariable**	function
configbanner	string	**formats**	data table
criticalvars	data table	**generators**	data table
dangerous	data table	**getenv**	function
datastate	function	**getownpath**	function
defaultsuffixes	table	**getreadfilename**	function
dowithfilesandreport	function	**hashers**	data table
dowithfilesintree	function	**homedir**	string
dowithpath	function	**inputstack**	table
dowithvariable	function	**installinputfilehandler**	function
env	function	**installinputlinehandler**	function
executers	table	**instance**	table

    F check
    F exec
    F execute
    F finalize
    F popen
    F register
    F spawn

expandbraces	function	
expandedpathfromlist	function	
expandedpathlist	function	
expandedpathlistfromvariable	function	
expandpath	function	
expandpathfromvariable	function	
expansion	function	
extendtexmfvariable	function	
~~**find_file**~~	~~function~~	
~~**find_files**~~	~~function~~	
findbinfile	function	
findctxfile	function	
finders	data table	

For the right column under **instance**:

    D data
    B diskcache
    D environment
    D expansions
    D fakepaths
    D files
    B force_suffixes
    D found
    D foundintrees
    D hashed
    D hashes
    D lists
    B loaderror
    D order
    B remember
    B renewcache
    B renewtree
    B savelists
    D setups
    D specification

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

variableofformatorsuffix   function
wildcardpattern   function

scripts (context)

autofontfeature   table
- F disable
- F enable
- F handler

categorytonumber data table
colors   data table
defaults   table
- N inter_char_half_shrink_factor
- N inter_char_half_stretch_factor
- N inter_char_hangul_penalty
- N inter_char_quarter_shrink_factor
- N inter_char_quarter_stretch_factor
- N inter_char_shrink_factor
- N inter_char_stretch_factor
- N inter_word_stretch_factor

handlers   data table
hash   table
injectors   data table
installdataset   function
installmethod   function
numbertocategory data table
numbertodataset   data table
numbertohandler   data table
reset   function
set   function
splitters   data table

set (context)

contains function
create function
tolist function
tonumber function
totable function

socket (extra lua)

BLOCKSIZE number
_DEBUG boolean
_SETSIZE number
bind function
choose function
connect function
connect4 function
connect6 function
dns table
    F getaddrinfo
    F gethostname
    F getnameinfo
    F tohostname
    F toip
ftp table
    S PASSWORD
    N PORT
    N TIMEOUT
    S USER
    F command
    F get
    F open
    F put
gettime function
headers table
    T canonic
      S accept
      S accept-charset
      S accept-encoding
      S accept-language
      S accept-ranges
      S action
      S age
      S allow
      S alternate-recipient
      S arrival-date
      S authorization
      S bcc
      S cache-control
      S cc
      S comments

      S connection
      S content-description
      S content-disposition
      S content-encoding
      S content-id
      S content-language
      S content-length
      S content-location
      S content-md5
      S content-range
      S content-transfer-encoding
      S content-type
      S date
      S diagnostic-code
      S dsn-gateway
      S etag
      S expect
      S expires
      S final-log-id
      S final-recipient
      S from
      S host
      S if-match
      S if-modified-since
      S if-none-match
      S if-range
      S if-unmodified-since
      S in-reply-to
      S keywords
      S last-attempt-date
      S last-modified
      S location
      S max-forwards
      S message-id
      S mime-version
      S original-envelope-id
      S original-recipient
      S pragma
      S proxy-authenticate
      S proxy-authorization
      S range

S received	
S received-from-mta	
S references	
S referer	
S remote-mta	
S reply-to	
S reporting-mta	
S resent-bcc	
S resent-cc	
S resent-date	
S resent-from	
S resent-message-id	
S resent-reply-to	
S resent-sender	
S resent-to	
S retry-after	
S return-path	
S sender	
S server	
S smtp-remote-recipient	
S status	
S subject	
S te	
S to	
S trailer	
S transfer-encoding	
S upgrade	
S user-agent	
S vary	
S via	
S warning	
S will-retry-until	
S www-authenticate	
S x-mailer	
http	table
N PORT	
N TIMEOUT	
S USERAGENT	
F open	
F request	
newtry	function
protect	function
select	function
sink	function

sinkt	table
F close-when-done	
F default	
F http-chunked	
F keep-open	
skip	function
sleep	function
smtp	table
S DOMAIN	
N PORT	
S SERVER	
N TIMEOUT	
S ZONE	
F message	
F open	
F send	
source	function
sourcet	table
F by-length	
F default	
F http-chunked	
F until-closed	
tcp	function
tcp6	function
tp	table
N TIMEOUT	
F connect	
try	function
udp	function
udp6	function
url	table
F absolute	
F build	
F build_path	
F escape	
F parse	
F parse_path	
F unescape	

sorters (context)

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

status (basic tex)

list function

storage (context)

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

streams (context)

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

string (basic lua)

autodouble	function
autosingle	function
booleanstring	function
byte	function
bytepairs	function
bytes	function
char	function
characterpairs	function
characters	function
checkedsplit	function
collapsespaces	function
count	function
dump	function
escapedpattern	function
explode	function
find	function
format	function
formatter	function
formatters	function

```
F {%t},
F %t (%t)
F %--t--cycle
F %-10s: %s
F %-15s :
F %-15s : %s
F %-15s >
F %-15s >
F %-15s > %s
F %-15s > %s
F %-15s > %s >
F %-15s > %s >
F %-15s > %s > %s
F %-15s > %s > %s
F %.3f %.3f %.3f %.3f k %.3f %.3f %.3f %.3f K
F %.3f %.3f %.3f rg %.3f %.3f %.3f RG
F %.3f g %.3f G
F %0.1fpt
F %0.8f %0.8f %0.8f %0.8f
F %U
F %U (%s)
F %a loaded
```

```
F %f %f %f %f %f %f cm
F %l,
F %p
F %q,
F %s
F %s %s
F %s %s %s
F %s %s %s %t
F %s %s %s %s
F %s Tc %s w %s Tr
F %s mul
F %s%s%s
F %s,
F %s--%s
F %s->%s->%s
F %s->%s->%s->%s->%s->%s
F %s:%s
F %s:%s:%s
F %s=%q
F %s={
F %w%l,
F %w%q,
F %w%s,
F %w[%l]=%l,
F %w[%l]=%q,
F %w[%l]=%s,
F %w[%l]={
F %w[%l]={%, t },
F %w[%l]={},
F %w[%q]=%l,
F %w[%q]=%q,
F %w[%q]=%s,
F %w[%q]={
F %w[%q]={%, t },
F %w[%q]={},
F %w[%s]=%l,
F %w[%s]=%q,
F %w[%s]=%s,
F %w[%s]={
F %w[%s]={%, t },
F %w[%s]={},
```

```
F %w{                                                    S lua
F %w{%, t },                                             S tex
F %w{},                                                  S unichr
F %w},                                                   S xml
F (%p,%p)                                               F _plib_.b_col(%q)
F /%s %s                                                F _plib_.b_region(%q)
F /%s << %t >>                                          F _plib_.e_col()
F /%s [ %t ]                                            F _plib_.e_region(%s)
F /%s cs /%s CS %s SCN %s scn                           F _plib_.enhance(%q)
F /Tr%s gs                                              S _preamble_
F 1 0 0 0 1 %f %f cm                                    S _type_
F << %t >>                                              F a=%1.3f%st=%1.3f
F << /Type /Annot %s /Rect [%0.3f %0.3f %0.3f %0.3f] >>  F b:%s
F M-H-%H                                                F buffer.%s
F M-N-%H                                                F c:%s:%s:%s:%s
F MpSh%s                                                F c=%1.3f%sm=%1.3f%sy=%1.3f%sk=%1.3f
F Tr%s                                                  F chem_%s%s(%s,%s,"\chemicaltext{%s}");
F U+%04X:%s                                             F chem_%s%s(%s,%s,%s,%s,%s);
F [ %t ]                                                F chem_%s(%s,%s,"");
F [%q]=                                                 F chem_%s(%s,%s,%s);
F [%q]=%l,                                              F chem_c%s(%s,%s,"");
F [%q]=%q,                                              F chem_set(%s);
F [%q]=%s,                                              F chem_start_structure(%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%s,%
F [%q]={                                                F chem_symbol("\chemicalsymbol[equilibrium]{%s}{%s}");
F [%s]=                                                 F chem_symbol("\chemicalsymbol[gives]{%s}{%s}");
F [%s]=%l,                                              F chem_symbol("\chemicalsymbol[mesomeric]{%s}{%s}");
F [%s]=%q,                                              F chem_symbol("\chemicaltext{%s}");
F [%s]=%s,                                              F chem_trace_boundingbox := %l ;
F [%s][%s]                                              F dup %s mul exch dup %s mul exch %s mul
F \Umathchardef\%s "%X "%X "%X                          F dup %s mul exch dup %s mul exch dup %s mul exch %s mul
F \convertnumber{%s}{%s}                                F e:%s
F \ugdef\%s{\Udelimiter "%X "%X "%X }                   F flushing realpage %s, userpage %s
F \ugdef\%s{\Udelimiter 0 "%X "%X }                     F jobname %a, input %a, result %a
F \ugdef\%s{\Udelimiterover "%X "%X }                   F lang-frq-%s.lua
F \ugdef\%s{\Udelimiterunder "%X "%X }                  F language %a is active
F \ugdef\%s{\Umathaccent 0 "%X "%X }                    F mfun_tt_w[%i] := %f ; mfun_tt_h[%i] := %f ; mfun_tt_d[%
F \ugdef\%s{\Umathbotaccent 0 "%X "%X }                 F multilocs[%s] := %s ; multikind[%s] := "%s" ; multipars
F \ugdef\%s{\Uradical "%X "%X }                         F multiregs[%s] := (%--t--cycle) shifted - %s ;
F \ugdef\%s{\Uroot "%X "%X }                            F p:%s
F _bpnf_(%s,%s,%s,'%s')                                 F p:%s:%s:%s:%s
T _extensions_                                          F p=%1.3f
  S chruni                                              F p=%s
  S font:features                                       F path multiregs[], multipars[], multibox ; string multik
  S font:name                                           F path posboxes[], posregions[] ; numeric pospages[] ; nu
```

F pdf: q 1 0 %f 1 0 0 cm		**totable**	function
F pospages[%s] := %s ; posboxes[%s] := (%p,%p)--(%p,%p)--(%p,%p)--(%p,%p)--cycle ; posregions[%s] := (%p,%p)--(%p,%p)		**toutf**	function
F processed mkvi file %a, delta %s		**tracedchar**	function
F q %f %f %f %f %f %f cm		**tracedchars**	table
F r:%s:%s:%s		**unquote**	function
F r=%1.3f%sg=%1.3f%sb=%1.3f		**unquoted**	function
F region:%s		**upper**	function
F return {		**utfcharacters**	function
F return {%t}		**utfvalues**	function
F s:%s		**valid**	function
F s=%1.3f			
F setbounds currentpicture to multibox ;			
F unknown reference %a			
F using file %a			
F visualizers.%s			
F w:%s			
F {			
F }			
gmatch	function		
gsub	function		
is_boolean	function		
is_empty	function		
itself	function		
len	function		
limit	function		
longtostring	function		
lower	function		
match	function		
nspaces	table		
quote	function		
quoted	function		
rep	function		
reverse	function		
split	function		
splitlines	function		
splitup	function		
strip	function		
sub	function		
tformat	function		
toboolean	function		
tocontext	function		
todimen	function		
tonodes	function		
topattern	function		

structures (context)

atlocation	function
blocks	table
D collected	
F define	
F print	
F save	
F select	
F setstate	
D states	
D tobesaved	
bookmarks	table
F finalize	
F flatten	
S method	
F overload	
F place	
F register	
F setup	
counters	table
F add	
F analyze	
F check	
D collected	
F compact	
F converted	
F currentvalue	
D data	
F define	
F first	
F get	
F last	
F next	
F prev	
F previous	
F raw	
F record	
F reset	
F restart	
F restore	
F save	
F set	

F setlevel	
F setoffset	
F setown	
F setstate	
F setvalue	
T specials	
F userpage	
F subs	
D tobesaved	
F value	
currentsectionnumber	function
descriptions	table
documents	table
D data	
F initialize	
F preset	
F reset	
floats	table
formulas	table
F current	
F simplify	
F store	
helpers	table
F analyze	
F formulanumber	
F merged	
F page	
F prefix	
F prefixlastpage	
F prefixpage	
F simplify	
F title	
F touserdata	
inserts	table
D data	
F define	
F getdata	
F getlocation	
F getname	
F getnumber	
F setlocation	

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

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

F	page	F	getlevel
F	realpage	F	getnumber
F	section	F	internalreference
F	userpage	D	levelmap
D	tobereferred	D	levels
D	tobesaved	F	load
T	urls	F	matchingtilldepth
T	data	F	numberatdepth
F	define	F	numbers
F	get	F	popblock
F	valid	F	prefixedconverted
F	whatfrom	F	pushblock

registers	table		F	register
		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	prepare	F	typesetnumber
F	process	F	userdata
F	sort	B	verbose

F	store	**sets**	table
D	tobesaved	F	define
F	unique	F	get
F	userdata	F	getall
		D	setlist

sections	table	**specials**	table
F	autodepth	D	collected
F	cct	F	retrieve
D	collected	F	store
F	current	D	tobesaved

F	currentblock	**synonyms**	table
F	currentid	F	analyzed
F	currentlevel	D	collected
F	depthnumber	F	compare
F	finddata	F	define
F	findnumber	F	filter
F	fullnumber		
F	getcurrentlevel		

F finalize

F flush

F meaning

F prepare

F process

F register

F registerused

F sort

F synonym

D tobesaved

tags   table

T data

F detailedtag

F getid

F handler

D labels

F last

F lastinchain

T metadata

D properties

F registerdata

F registermetadata

F restart

F setattributehash

F setcombination

F setdescription

F setdescriptionsymbol

F setfigure

F sethighlight

F setitemgroup

F setproperty

F setsorting

F setsynonym

F settablecell

F settabulatecell

F start

F stop

D taglist

T userdata

table (basic lua)

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

tex (basic tex)

attribute	table		**istoken**	function
badness	function		**lccode**	table
box	table		**linebreak**	function
catcode	table		**lists**	table
conditionals	data table		**luacatcodes**	number
constants	data table		**mathcode**	table
count	table		**modes**	data table
ctxcatcodes	number		**nest**	table
definefont	function		**nilcatcodes**	number
delcode	table		**notcatcodes**	number
dimen	table		**number**	function
directives	data table		**pdffontname**	function
enableprimitives	function		**pdffontobjnum**	function
error	function		**pdffontsize**	function
extraprimitives	function		**pdfpageref**	function
finish	function		**pdfxformname**	function
fontidentifier	function		**primitives**	function
fontname	function		**print**	function
fprint	function		**printlist**	function
get	function		**prtcatcodes**	number
getattribute	function		**romannumeral**	function
getbox	function		**round**	function
getcatcode	function		**run**	function
getcount	function		**scale**	function
getdelcode	function		**set**	function
getdimen	function		**setattribute**	function
getlccode	function		**setbox**	function
getlist	function		**setcatcode**	function
getmath	function		**setcount**	function
getmathcode	function		**setdelcode**	function
getnest	function		**setdimen**	function
getsfcode	function		**setlccode**	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		**setuccode**	function
isskip	function		**sfcode**	table

shipout	function
skip	table
sp	function
sprint	function
systemmodes	data table
texcatcodes	number
toks	table
tpacatcodes	number
tpbcatcodes	number
tprint	function
trackers	data table
txtcatcodes	number
type	function
uccode	table
uniformdeviate	function
uprint	function
vrbcatcodes	number
write	function

texconfig (basic tex)

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

texio (basic tex)

write   function
write_nl function

token (basic tex)

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

tokens (context)

bgroup	table
collectors	table

    T data

    F defaultwords

    F dowithwords

    F flush

    F handle

    F install

    F register

    T registered

    T remapper

      F convert

      T data

      F store

    F show

    T show_methods

      F a

      F b

      F c

    F showtoken

    F test

    F trace

egroup	table
hbox	table
letter	function
letters	function
other	function
vbox	table
vtop	table

tracers (context)

count	function
cs	function
dimen	function
knownlist	function
lists	table
	T context
	T internals
	T scratch
name	function
primitive	function
printerror	function
showlines	function
strings	table
	S undefined
toks	function
type	function

trackers (context)

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

typesetters (context)

alignments   table
    F handler
    F set
breakpoints   table
    F define
    F handler
    D mapping
    T methods
    T numbers
    F set
    F setreplacement
cases   table
    T actions
    F handler
    F register
    F set
characteralign   table
    F handler
    F resetcharacteralign
    F setcharacteralign
characters   table
    F handler
    F replacebsp
    F replacebspaces
checkers   table
    F handler
    F reset
    F set
cleaners   table
    F handler
    F set
digits   table
    T actions
    F handler
    F set
directions   table
    F getfences
    F getglobal
    F getmethod
    F handler
    T handlers

    F installhandler
    F processmath
    F set
    F setcolor
    F setmath
    F tomode
firstlines   table
    T actions
      F default
      F line
      F word
    F handler
    F set
initials   table
    T actions
      F default
    F handler
    F set
italics   table
    F forcevariant
    F handler
    F reset
    F set
kerns   table
    D factors
    F handler
    F keepligature
    B keeptogether
    D mapping
    F set
margins   table
    F finalhandler
    F globalhandler
    F ha
    F localhandler
    F save
processors   table
    F apply
    F register
    F reset
    F split

F startapply

    F stopapply

    F stripped

    F tostring

spacings   table

    F define

    F handler

    D mapping

    T numbers

     T frenchpunctuation

       T characters

       S name

       N number

    F reset

    F set

    F setup

xtables   table

    F cleanup

    F construct

    F create

    F flush

    F initialize_construct

    F initialize_reflow_height

    F initialize_reflow_width

    F next_row

    F reflow_height

    F reflow_width

    F set_construct

    F set_reflow_height

    F set_reflow_width

unicode (extra lua)

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

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

latin1   table
- F byte
- F char
- F dump
- F find
- F format
- F gfind
- F gmatch
- F gsub

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

utf8   table
- F byte
- F char
- F characters
- F count
- F dump
- F filetype
- F find
- F format
- F gfind
- F gmatch
- F gsub
- F is_valid
- F len
- F length
- F lower
- F magic
- F match
- F remapper
- F rep
- F replacer
- F reverse
- F split
- F splitlines
- F sub
- F subtituter
- F tocodes
- F toeight
- F toentities
- F tostring
- F totable
- F upper
- F ustring
- F utf16_to_utf8

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

url (context)

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

utilities (context)

debugger	table
F disable	
F enable	
F savestats	
F showstats	
formatters	table
F formatcolumns	
F list	
F stripzeros	
garbagecollector	table
F check	
N criterium	
B enabled	
lua	table
B alwaysstripcode	
F compile	
F loadedluacode	
F loadstripped	
N nofstrippedbytes	
N nofstrippedchunks	
B stripcode	
T strippedchunks	
F strippedloadstring	
T suffixes	
S lua	
S luc	
S lui	
S luj	
S luv	
S tma	
S tmc	
S tua	
S tuc	
packers	table
F hashed	
F new	
F pack	
F simplehashed	
F strip	
F unpack	
N version	

parsers	table
F add_settings_to_array	
F arguments_to_table	
F array_to_string	
F csvsplitter	
F getparameters	
F hash_to_string	
F iterator	
F keq_to_hash	
F listitem	
F make_settings_to_hash_pattern	
F mergehashes	
F options_to_hash	
T patterns	
U settings_to_array	
U settings_to_hash_a	
U settings_to_hash_b	
U settings_to_hash_c	
U unittotex	
F rfc4180splitter	
F runtime	
F settings_to_array	
F settings_to_array_with_repeat	
F settings_to_hash	
F settings_to_hash_strict	
F settings_to_hash_tolerant	
F settings_to_set	
F simple_hash_to_string	
F splitthousands	
F stepper	
F unittotex	
F unittoxml	
report	function
sequencers	table
F appendaction	
F appendgroup	
F compile	
F disableaction	
F disablegroup	
F enableaction	
F enablegroup	

D functions		F insertbeforevalue	
F localize		F migratetable	
F new		F removevalue	
F nodeprocessor		**templates**	table
F prependaction		F load	
F prependgroup		F replace	
F removeaction		F replacer	
F setkind		F resolve	
F tostring			

setters   table

F disable

F enable

F initialize

F list

F new

F register

F report

F reset

F show

stacker   table

F new

storage   table

F allocate

F checked

F mark

F marked

F setinitializer

F sparse

strings   table

F collapsecrlf

T formatters

  F add

  F new

F newrepeater

F nice

F striplong

F tabtospace

T tracers

tables   table

F accesstable

F definedtable

F definetable

F encapsulate

F insertaftervalue

vf (context)

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

visualizers (context)

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

xml (context)

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

F bibtexshort		F position
F chainattribute		F reverse
F command		F table
F concat		F tag
F concatrange		F tags
F context		F text
F count		F texts
F ctxtext		F upperall
F default		

F first	**first** function
F function	**found** function
F index	**functions** table
F last	**getbuffer** function
F lettered	**gethandlers** function
F lower	**gethandlersfunction** function
F lowerall	**helpers** table
F match	F recursetext
F name	**include** function
F position	**index** function
F reverse	**inheritedconvert** function
F stripped	**inject** function
F tag	**inject_element** function
F tags	**inject_element_after** function
F text	**inject_element_before** function
F upper	**injectafter** function
F upperall	**injectbefore** function

T xml	**insert** function
F all	**insert_element** function
F att	**insert_element_after** function
F attribute	**insert_element_before** function
F attributes	**insertafter** function
F cdata	**insertbefore** function
F chainattribute	**insertcomment** function
F count	**inspect** function
F default	**is_valid** function
F elements	**kind** function
F empty	**last** function
F first	**load** function
F function	**lpath** function
F index	**lpathcached** function
F last	**lpathcalls** function
F lowerall	**lshow** function
F match	**makestandalone** function
F name	**match** function
	name function

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

zip (extra lua)

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

zlib (extra lua)

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