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

ConTEXt MkIV

global (alias: _G)

1	table	**fonts**	table
arg	table	**functions**	table
assert	function	**gcinfo**	function
attributes	table	**getfenv**	function
backends	table	**getmetatable**	function
beginpage	function	getreadfilename	function
bibtex	table	**global**	table
blobs	table	**graphics**	table
boolean	table	**gzip**	table
buffers	table	**img**	table
builders	table	**inspect**	function
caches	table	**interactions**	table
callback	table	**interfaces**	table
callbacks	table	**io**	table
catcodes	table	**ipairs**	function
characters	table	**job**	table
chemistry	table	**lang**	table
collectgarbage	function	**languages**	table
commands	table	**layouts**	table
containers	table	**lfs**	table
context	function	**libraries**	table
converters	table	**lmx**	table
coroutine	table	**lmxconvert**	function
ctxrunner	table	**lmxnew**	function
debug	table	**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
file	table	**mathematics**	table
floats	table	**md5**	table
font	table	**metapost**	table
fontloader	table	**mime**	table

module	function	**socket**	table
moduledata	table	**sorters**	table
modules	table	**statistics**	table
mplib	table	**status**	table
newline	function	**storage**	table
newproxy	function	**streams**	table
next	function	**string**	table
noads	table	**stripmath**	function
node	table	**structures**	table
nodes	table	**table**	table
number	table	**tex**	table
os	table	**texconfig**	table
outputpagestree	function	**texio**	table
package	table	**toboolean**	function
pagebuilders	table	**token**	table
pairs	function	**tokens**	table
parametersets	table	**tonumber**	function
pcall	function	**tostring**	function
pdf	table	**trace_characters**	boolean
physics	table	**traceback**	function
print	function	**tracers**	table
profiler	table	**trackers**	table
protect	function	**type**	function
rawequal	function	**typesetters**	table
rawget	function	**unicode**	table
rawset	function	**unpack**	function
regimes	table	**url**	table
report_characters	function	**utf**	table
require	function	**utilities**	table
resolvers	table	**visualizers**	table
scripts	table	**xml**	table
select	function	**xmlconvert**	function
set	table	**xpcall**	function
setfenv	function	**zip**	table
setmetatable	function	**zlib**	table

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 mpoptions

- U none
- F popset
- 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
- D data

F	enable		B	supported
F	handler		B	triggering
F	register		F	value
D	registered		D	values

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

backends (context)

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

    F registerdocumentopenaction
    F registeredsymbol
    F registerpagecloseaction
    F registerpageopenaction
    F registersymbol
    F setfieldcalculationset
    F setfigurealternative
    F setfigurecolorspace
    F setfiguremask
    F setformat
    F setformsmethod
    F setpagetransition
    F setupcanvas
    F setupidentity
    F setxmpfile
    F startlayer
    F stoplayer
    F supportedformats
    F useviewerlayer
    F validfield
    F validfieldcategory
    F validfieldset
   S comment
   T nodeinjections
    F addtags
    F attachfile
    F 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

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

blobs (context)

append	function	**new**	function
dimensions	function	**pack**	function
dispose	function	**write**	function

boolean (context)

tocontext function   **tonumber**   function

buffers (context)

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

builders (context)

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

paragraphs   table
- T constructors
  - N attribute
  - F define
  - F disable
  - F enable
  - F handler
  - T methods
    - F default
    - F oneline
  - D names
  - D numbers
  - F set
  - F start
  - F stop
- F keeptogether
- F registertogether
- T solutions
  - T splitters
    - F define

- F optimize
- T registered
- F reset
- F set
- F split
- F start
- F stop
- F tag

vspacing   table
- F analyze
- D categories
- F collapsevbox
- T data
  - D map
  - D skip
  - D snapmethods
- F definesnapmethod
- B fixed
- F pagehandler
- F setmap
- F setskip
- F snapbox
- F tocategories
- F tocategory
- F vboxhandler

caches (context)

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

callback (basic tex)

find   function   **register** overloaded function
list   function

callbacks (context)

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

catcodes (context)

names   data table   **register**   function
numbers   data table

characters (context)

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

chemistry (context)

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

commands (context)

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

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

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

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

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

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

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

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

containers (context)

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

converters (context)

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

coroutine (basic lua)

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

ctxrunner (context)

load function

resolve function

prepfiles data table

debug (basic lua)

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

dir (context)

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

directives (context)

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

document (context)

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

environment (context)

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

epdf (extra tex)

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

experiments (context)

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

figures (context)

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

file (basic lua)

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

floats (context)

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

font (basic tex)

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

fontloader (extra tex)

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

fonts (context)

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

checkers   table
- F missing

cid   table
- F getmap
- F loadfile

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

constructors   table
- F aftercopyingcharacters
- F applymanipulators
- F assignmathparameters
- B autocleanup
- F beforecopyingcharacters
- D cache
- F calculatescale
- F checkedfeatures
- F checkedfilename
- 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 virtualized
S scriptscriptpercentage		D loadedfonts
S size		S namemode
S slantfactor		F newfeatures
S slantperpoint		F newhandler
T spacing		N privateoffset
S extra		F readanddefine
S shrink		F registerfeature
S stretch		B resolvevirtualtoo
S width		F scale
T synonyms		F scaled
S em		F setfactor
S ex		F setname
S extra_space		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 loadfont
- F makespecification
- T methods
  - F install
  - D variants
- F read
- F register
- F registered
- F registersplit
- F resetnullfont
- F resolve
- T resolvers
  - F file
  - F name
  - F spec

definetypeface function
encodings table

- T agl

Left column:

- 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

D	cache	
F	is_known	
D	known	
F	load	
F	make_unicode_vector	
D	math	
N	version	
expansions		data table
formats		data table
goodies		table
D	colorschemes	
D	data	
D	designsizes	
F	getcompositions	
T	list	
F	compositions	
F	designsizes	
F	expansions	
F	featureset	
F	files	
F	mathematics	
F	protrusions	
F	solutions	
F	typefaces	
F	load	
F	prepare_features	
F	register	
F	registerpostprocessor	
F	report	
handlers		table
T	afm	
B	addkerns	
B	addligatures	
B	addtexligatures	
B	autoprefixed	
D	cache	
D	features	
T	helpdata	
D	bothkerned	
D	leftkerned	
D	ligatures	
D	rightkerned	
D	texligatures	
F	load	

F	setfeatures
B	syncspace
N	version
T	otf
F	addfeature
D	cache
T	chainhandlers
F	normal
F	verbose
F	collectlookups
F	dataset
S	defaultbasealternate
S	defaultnodealternate
D	enhancers
D	features
F	getalternate
T	glists
T	handlers
F	contextchain
F	gpos_context
F	gpos_contextchain
F	gpos_cursive
F	gpos_mark2base
F	gpos_mark2ligature
F	gpos_mark2mark
F	gpos_pair
F	gpos_single
F	gsub_alternate
F	gsub_context
F	gsub_contextchain
F	gsub_ligature
F	gsub_multiple
F	gsub_reversecontextchain
F	gsub_single
F	load
F	scriptandlanguage
F	setcontextchain
F	setdynamics
F	setfeatures
T	statistics
D	usedfeatures
T	tables
D	baselines
D	features

D	languages	F	setdigitwidth
D	scripts	F	splitfontpattern
N	version	**iterators**	**table**
T	pfb	F	characters
T	tfm	F	descriptions
D	features	F	glyphs
F	setfeatures	**loggers**	**table**
T	vf	T	category_to_placeholder
T	combinations	S	ll
F	combine	S	lm
T	combiner	S	lo
D	commands	S	lt
F	find	S	lu
D	helpers	S	mc
D	math	S	me
D	predefined	S	mn
D	whatever	S	nd
hashes	**table**	S	nl
D	characters	S	no
D	csnames	S	pc
D	descriptions	S	pd
T	dynamics	S	pe
D	emwidths	S	pf
D	exheights	S	pi
D	identifiers	S	po
D	italics	S	ps
D	lastmathids	S	sc
D	marks	S	sk
D	parameters	S	sm
T	processes	S	so
D	properties	F	format
D	quads	F	onetimemessage
D	resources	F	register
T	setdynamics	F	reportdefinedfonts
D	xheights	F	reportusedfeatures
helpers	**table**	**mappings**	**table**
F	addprivate	F	addtounicode
F	dimenfactor	F	fromunicode16
F	fontpatternhassize	F	loadfile
F	getdigitwidth	F	loadline
F	getparameters	F	loadlumtable
F	getprivatenode	F	makenameparser
F	hasprivate	F	reset
F	nametoslot	F	tounicode16

```
   F tounicode16sequence                      D contextmerged
names          data table                     F contextnumber
protrusions    data table                     D contextnumbers
readers        table                          D contextsetups
   F afm                                       F contexttostring
   F check_lua                                 F mergecontext
   F check_tfm                                 F presetcontext
   F dfont                                     F registercontext
   F lua                                       F showcontext
   F opentype                                  F splitcontext
   F otf                                       D synonyms
   F pfb                                       D variants
   D sequence                      symbols          table
   F tfm                                        F uselibrary
   F ttc                           tables           table
   F ttf                           tracers          table
specifiers     table               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   **open**   function
lines function

img (basic tex)

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

interactions (context)

attachments table

    F insert

    F register

fields table

    F clone

    F define

    F defineset

    F insert

general table

    F getidentity

    F setupidentity

help table

    F collect

    F reference

    F register

javascripts table

    F addtopreamble

    F code

    D codes

    F flushpreambles

    D functions

    D preambles

    F setpreamble

    F storecode

    F storepreamble

    F usepreamblenow

    F usescripts

linkedlists table

pages table

    F setpagetransition

    F setupcanvas

references table

    F setclosedocument

    F setclosepage

    F setopendocument

    F setopenpage

renderings table

    F register

    F rendering

    F var

soundclips table

    F insert

    F register

interfaces (context)

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

io (basic lua)

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

job (context)

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

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

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

lang (basic tex)

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

languages (context)

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

layouts (context)

status table

F isleftpage

F leftorrightpagection

lfs (extra lua)

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

libraries (context)

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

lmx (context)

color	function		**new**	function
convert	function		**overloaderror**	function
convertfile	function		**popupfile**	function
convertstring	function		**print**	function
escape	function		**pv**	function
finalized	function		**report**	function
finject	function		**reset**	function
fprint	function		**result**	function
get	function		**set**	function
getvariables	function		**show**	function
htmfile	function		**showdebuginfo**	function
html	table		**showerror**	function
F a			**stripcss**	function
F td			**tv**	function
F th			**type**	function
include	function		**urlescape**	function
inherited	table		**variable**	function
S color-background-four			**variables**	table
S color-background-one			S color-background-blue	
S color-background-three			S color-background-body	
S color-background-two			S color-background-green	
S title			S color-background-main	
initialize	function		S color-background-purple	
inject	function		S color-background-yellow	
lmxfile	function		S title-default	
loadedfile	function			

logs (context)

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

lpdf (context)

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

lpeg (basic lua)

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

ltn12 (extra lua)

BLOCKSIZE number
filter   table
    F chain
    F cycle
pump   table
    F all
    F step
sink   table
    F chain
    F error
    F file
    F null

    F simplify
    F table
source   table
    F cat
    F chain
    F empty
    F error
    F file
    F rewind
    F simplify
    F string

lua (basic tex)

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

luatex (context)

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

lxml (context)

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

math (basic lua)

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

mathematics (context)

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

md5 (extra lua)

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

metapost (context)

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

mime (extra lua)

b64   function

decode   function

decodet   table

    F base64

    F quoted-printable

dot   function

encode   function

encodet   table

    F base64

    F quoted-printable

eol   function

normalize function

qp   function

qpwrp   function

stuff   function

unb64   function

unqp   function

wrap   function

wrapt   table

    F base64

    F default

    F quoted-printable

    F text

wrp   function

mplib (extra tex)

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

noads (context)

handlers   table
 F check
 F collapse
 F families
 F italics
 F relocate
 F render
 F resize
 F respace
 F tags
 F unscript

 F variants
process   function
processors   table
 T collapse
 F mlist_to_hlist
 T relocate
 T render
 T resize
 T respace
 T unscript

node (basic tex)

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

nodes (context)

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

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

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

number (context)

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

os (basic lua)

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

package (basic lua)

clibpaths	function	**loaded**	table
config	string	**loaders**	table
cpath	string	**loadlib**	function
extraclibpath	function	**path**	string
extralibpath	function	**preload**	table
libpaths	function	**seeall**	function

pagebuilders (context)

mixedcolumns table
    F cleanup
    F finalize
    F getlist

F getrest
F getsplit
F setsplit

pdf (basic tex)

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

physics (context)

units table   D tables

profiler (extra lua)

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

regimes (context)

cleanup function   **process** function
disable function   **push** function
enable function   **toregime** function
pop 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	D data
expandedpathfromlist	function	B diskcache
expandedpathlist	function	D environment
expandedpathlistfromvariable	function	D expansions
expandpath	function	D fakepaths
expandpathfromvariable	function	D files
expansion	function	B force_suffixes
extendtexmfvariable	function	D found
~~**find_file**~~	~~function~~	D foundintrees
~~**find_files**~~	~~function~~	D hashed
findbinfile	function	D hashes
findctxfile	function	D lists
finders	data table	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			**settrace**	function
F enablecomment			**showpath**	function
F encodecomment			**simplescanfiles**	function
F preprocessed			**splitconfigurationpath**	function
F processmk			**splitexpansions**	function
F processmkvi			**splitmethod**	function
F version			**splitpath**	function
maxreadlevel	number		**suffixes**	data table
methodhandler	function		**suffixmap**	data table
newinstance	function		**suffixofformat**	function
openbinfile	function		**texdatablob**	function
openers	data table		**toppath**	function
openfile	function		**unexpandedpath**	function
opentexfile	function		**unexpandedpathlist**	function
ownpath	string		**unresolve**	function
prefixes	data table		**updaterelations**	function
prependhash	function		**updatescript**	function
registerextrapath	function		**usezipfile**	function
registerfile	function		**validatedpath**	function
registerfilehash	function		**variable**	function

| **variableofformat** | function | **wildcardpattern** | function |
| **variableofformatorsuffix** | function | | |

scripts (context)

categorytonumber	data table		**handlers**	data table
colors	data table		**hash**	table
defaults	table		**installdataset**	function

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

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

set (context)

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

socket (extra lua)

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

sorters (context)

comparers   table
   F basic
constants   table
   S defaultdigits
   S defaultlanguage
   S defaultmethod
   N digitsmaximum
   N digitsoffset
   N ignoredoffset
   N replacementoffset

definitions   data table
firstofsplit function
setlanguage   function
sort   function
splitters   table
    F utf
strip   function
tracers   data table
update   function

statistics (context)

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

status (basic tex)

list function

storage (context)

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

streams (context)

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

string (basic lua)

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

structures (context)

atlocation   function
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			F define	
D stored			F exists	
itemgroups	table		F fetch	
F maxwidth			F fetchallmarks	
F nofitems			F fetched	
F register			F fetchonemark	
lists	table		F fetchtwomarks	
F addto			F get	
F analyze			F number	
D cached			F relate	
D collected			F reset	
F discard			F set	
F enhance			F show	
T enhancers			F synchronize	
F filter			F title	
F filtercollected			T tracers	
F formulanumber			F showtable	
F hasnumberdata			**notes**	table
F haspagedata			F checkpagechange	
F hastitledata			F define	
D internals			F doifonsamepageasprevious	
F iscached			F get	
F label			F getdeltapage	
F location			F getn	
F number			F getnumberpage	
D ordered			F getstate	
F page			F getsymbolpage	
F popnesting			F hascontent	
F prefix			F internal	
F prefixednumber			F internalid	
F prefixedpage			F listindex	
F process			F ordered	
D pushed			F postpone	
F pushnesting			F resetpostponed	
F realpage			F restore	
T result			F save	
F sectionnumber			F setstate	
F size			F setsymbolpage	
F title			D states	
D tobesaved			F store	
F userdata			**pages**	table
F uservalue			F analyze	
marks	table		D collected	
D data			F is_odd	

F	number	F	mark
F	save	D	pages
D	tobesaved	U	prefixsplitter
references table		D	productdata
F	analyze	T	programs
F	checkedfile	T	data
F	checkedfileorurl	F	define
F	checkedprogram	F	get
F	checkedrealpage	F	realpageofpage
F	checkedurl	U	referencesplitter
D	collected	D	referred
U	componentsplitter	F	referredpage
F	currentmetadata	F	registerfinalizer
F	currentorder	F	registerinitializer
D	currentset	F	registerpage
F	define	F	reportproblems
D	defined	F	reset
D	derived	T	resolvers
F	enableinteraction	F	reference
F	enhance	F	section
D	executers	D	runners
F	expandcurrent	F	set
F	export	F	setandgetattribute
T	files	F	setcomponent
T	data	F	setinnermethod
F	define	F	setinternalreference
F	get	F	setnextinternal
F	filter	F	setnextorder
F	filterdefault	D	specials
D	filters	F	splitcomponent
F	from	F	splitprefix
F	get	F	splitreference
F	getcurrentmetadata	T	testrunners
F	getcurrentprefixspec	F	inner
F	getinnermethod	F	special
F	getinternalreference	F	special operation
D	handlers	F	special operation with arguments
F	identify	T	testspecials
F	import	F	deltapage
F	inject	F	i
F	injectcurrentset	F	internal
D	internals	F	page
F	load	F	realpage
F	loadpresets	F	section

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
F analyze	D registered
F analyzed	F reportstructure
D collected	F save
F compare	F set
F define	F setblock
F enhance	F setchecker
F extend	F setlevel
F filter	F setnumber
F filtercollected	F somelevel
F finalize	F structuredata
F flush	F title
F prepare	D tobesaved
F process	F typesetnumber
F sort	F userdata
F store	B verbose
D tobesaved	**sets** table
F unique	F define
F userdata	F get
sections table	F getall
F autodepth	D setlist
F cct	**specials** table
D collected	D collected
F current	F retrieve
F currentblock	F store
F currentid	D tobesaved
F currentlevel	**synonyms** table
F depthnumber	F analyzed
F finddata	D collected
F findnumber	F compare
F fullnumber	F define
F getcurrentlevel	F filter
F getlevel	F finalize
F getnumber	F flush
F internalreference	F meaning

F prepare	F registermetadata
F process	F restart
F register	F setattributehash
F registerused	F setcombination
F sort	F setdescription
F synonym	F setdescriptionsymbol
D tobesaved	F setfigure
tags table	F sethighlight
T data	F setitemgroup
F detailedtag	F setproperty
F getid	F setsorting
F handler	F setsynonym
D labels	F settablecell
F last	F settabulatecell
F lastinchain	F start
T metadata	F stop
D properties	D taglist
F registerdata	T userdata

table (basic lua)

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

tex (basic tex)

attribute	table	**lccode**	table
badness	function	**linebreak**	function
box	table	**lists**	table
catcode	table	**luacatcodes**	number
conditionals	data table	**mathcode**	table
constants	data table	**modes**	data table
count	table	**nest**	table
ctxcatcodes	number	**nilcatcodes**	number
definefont	function	**notcatcodes**	number
delcode	table	**number**	function
dimen	table	**pdffontname**	function
enableprimitives	function	**pdffontobjnum**	function
error	function	**pdffontsize**	function
extraprimitives	function	**pdfpageref**	function
finish	function	**pdfxformname**	function
fontidentifier	function	**primitives**	function
fontname	function	**print**	function
fprint	function	**printlist**	function
get	function	**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	**setfalse**	function
getskip	function	**setlccode**	function
gettoks	function	**setlist**	function
getuccode	function	**setmath**	function
hashtokens	function	**setmathcode**	function
ifs	data table	**setnest**	function
inicatcodes	number	**setsfcode**	function
iscount	function	**setskip**	function
isdimen	function	**settoks**	function
isskip	function	**settrue**	function
istoken	function	**setuccode**	function

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

texconfig (basic tex)

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

texio (basic tex)

write   function

write_nl function

token (basic tex)

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

tokens (context)

bgroup   table
collectors table

    T data
    F defaultwords
    F dowithwords
    F flush
    F handle
    F install
    F register
    T registered
    T remapper
     F convert
     T data
     F store
    F show

    T show_methods
     F a
     F b
     F c
    F showtoken
    F test
    F trace

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

tracers (context)

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

trackers (context)

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

typesetters (context)

alignments   table
   F handler
   F set
breakpoints   table
   N attribute
   F define
   F handler
   D mapping
   T methods
   T numbers
   F set
   F setreplacement
cases   table
   T actions
   F handler
   F register
   F set
characters   table
   F handler
cleaners   table
   F handler
   F set
digits   table
   T actions
   N attribute
   F handler
   F set
directions   table
   F handler
   F process
   F set
fast_hpack   function
hpack   function
italics   table
   F forcevariant
   F handler
   F reset
   F set
kerns   table
   D factors
   F handler

   B keepligature
   B keeptogether
   D mapping
   F set
margins   table
   F finalhandler
   F globalhandler
   F ha
   F localhandler
   F save
paragraphs   table
   N attribute
   T droppers
    F freeze
    F set
   F handler
   F set
processors   table
   F apply
   F register
   F reset
   F split
   F startapply
   F stopapply
   F stripped
   F tostring
spacings   table
   N attribute
   F define
   F handler
   D mapping
   T numbers
   T frenchpunctuation
    T characters
    S name
    N number
   F reset
   F set
   F setup
tonodes   function
vpack   function

xtables table

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

unicode (extra lua)

ascii   table

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

filetype   function

grapheme   table

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

latin1   table

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

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

ustring   function
utf16_to_utf8   function
utf16_to_utf8_be   function
utf16_to_utf8_le   function
utf32_to_utf8   function
utf32_to_utf8_be   function
utf32_to_utf8_le   function
utf8   table

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

utf8_to_utf16   function
utf8_to_utf8   function

| **utfcodes** | function | **utftype** | function |
| **utfname** | table | **xstring** | function |

url (context)

addscheme	function	**hashed**	function
barepath	function	**hasscheme**	function
construct	function	**query**	function
escape	function	**split**	function
filename	function	**toquery**	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
- N nofstrippedbytes
- N nofstrippedchunks
- F stripbytecode
- B stripcode
- F strippedbytecode
- F strippedloadstring

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

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

report   function

sequencers   table
- F appendaction
- F appendgroup
- F compile
- F disableaction
- F disablegroup
- F enableaction
- F enablegroup
- D functions
- F localize
- F new
- F nodeprocessor
- F prependaction
- F prependgroup
- F removeaction
- F setkind
- F tostring

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

   F newrepeater

   F nice

   F striplong

   F tabtospace

tables table

   F accesstable

   F definetable

   F encapsulate

   F insertaftervalue

   F insertbeforevalue

   F migratetable

   F removevalue

templates table

   F load

   F replace

   F resolve

visualizers (context)

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

xml (context)

addentitiesdoctype	function	D 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

first	function
found	function
functions	table
getbuffer	function
gethandlers	function
gethandlersfunction	function
helpers	table

F recursetext

include	function
index	function
inheritedconvert	function
inject	function
~~**inject_element**~~	~~function~~
~~**inject_element_after**~~	~~function~~
~~**inject_element_before**~~	~~function~~
injectafter	function
injectbefore	function
insert	function
insert_element	function
~~**insert_element_after**~~	~~function~~
~~**insert_element_before**~~	~~function~~
insertafter	function
insertbefore	function
insertcomment	function
inspect	function
is_valid	function
kind	function
last	function
load	function
lpath	function
lpathcached	function
lpathcalls	function
lshow	function
makestandalone	function
match	function
name	function

Left column continued:

F	default
F	first
F	function
F	index
F	last
F	lettered
F	lower
F	lowerall
F	match
F	name
F	position
F	reverse
F	stripped
F	tag
F	tags
F	text
F	upper
F	upperall

T xml

F	all
F	att
F	attribute
F	attributes
F	cdata
F	chainattribute
F	count
F	default
F	elements
F	empty
F	first
F	function
F	index
F	last
F	lowerall
F	match
F	name

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

zip (extra lua)

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

zlib (extra lua)

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