MP attributes backends bit 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 jit job
lang languages layouts lfs libraries lmx
logs lpdf lpeg ltn12 lua luatex lxml math
mathematics mbox md5 metapost mime
moduledata modules mp mplib newtoken noads
node nodes number os package pagebuilders
parametersets pdf pdfscanner physics
profiler publications regimes resolvers
sandbox scripts set socket sorters
statistics status storage streams string
structures table tex texconfig texio
thirddata tokens tracers trackers
typesetters unicode url userdata utilities
vf visualizers xml zip zlib

ConTeXt MkIV

global (alias: _G)

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

mbox	table	**setmetatable**	function
md5	table	**socket**	table
metapost	table	**sorters**	table
mime	table	**statistics**	table
module	function	**status**	table
moduledata	table	**storage**	table
modules	table	**streams**	table
mp	table	**string**	table
mplib	table	**structures**	table
newproxy	function	**swiglib**	function
newtoken	table	**table**	table
next	function	**tex**	table
noads	table	**texconfig**	table
node	table	**texio**	table
nodes	table	**thirddata**	table
number	table	**toboolean**	function
optionalrequire	function	**tokens**	table
os	table	**tonumber**	function
outputpagestree	function	**tostring**	function
package	table	**tracers**	table
pagebuilders	table	**trackers**	table
pairs	function	**type**	function
parametersets	table	**typesetters**	table
pcall	function	**unicode**	table
pdf	table	**unpack**	function
pdfscanner	table	**url**	table
physics	table	**userdata**	table
print	function	**utf**	table
profiler	table	**utilities**	table
publications	table	**vf**	table
rawequal	function	**visualizers**	table
rawget	function	**xml**	table
rawlen	function	**xpcall**	function
rawset	function	**zip**	table
regimes	table	**zlib**	table
require	function		
resolvers	table		
resolvestoredfunction	function		
sandbox	table		
scripts	table		
select	function		
set	table		
setfenv	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 definemultitonecolor
- F defineprocesscolor
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- F forcedmodel
- F forcesupport
- F formatcolor
- F formatgray
- F getpagecolormodel
- 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
- F setpagecolormodel
- 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

   F handler

   F register

   D registered

   F set

numbers data table

ofnode function

private function

public function

restore function

save function

showcurrent function

states table

   F disabletriggering

   F enabletriggering

   F finalize

   F initialize

   F process

   F selective

   F stacked

   F stacker

system function

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

   F cleanup

   D data

   F define

   F definedlayoutcomponent

   F enable

   F forcesupport

   F handler

   B hasorder

   D listwise

   F register

   D registered

   F resolve_begin

   F resolve_end

   F resolve_reset

   F resolve_step

   D scopes

   F setfeatures

   F start

   F stop

   B supported

   D values

backends (context)

codeinjections table
current string
defaults table
    T codeinjections
      F gethpos
      F getmatrix
      F getpos
      F getvpos
      F hasmatrix
    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 getbookmarks
      F getdefaultfieldvalue
      F getfieldcategory
      F getfieldset
      F getformatoption
      F gethpos
      F getmatrix
      F getoutputfilename
      F getpos
      F getpreviewfigure
      F getvpos
      F hasmatrix

      F insertrenderingwindow
      F mergebookmarks
      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 unicodetoactualtext
      F useviewerlayer
      F validfield
      F validfieldcategory
      F validfieldset
    S comment
    T nodeinjections
      F addtags
      F annotation
      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

bit (context)

arshift	function
band	function
bnot	function
bor	function
bswap	function
bxor	function
lshift	function
rol	function
ror	function
rshift	function
tobit	function
tohex	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
undent	function

builders (context)

kernel   table
- F hyphenation
- F kerning
- F ligaturing
- F mlist_to_hlist
- T originals
  - F hyphenate
  - F kerning
  - F ligaturing

paragraphs   table
- T constructors
  - N attribute
  - F define
  - F disable
  - F enable
  - F handler
  - T methods
    - F basic
    - F default
    - F hpack
    - F oneline
  - D names
  - D numbers
  - F set
  - F start
  - F stop
- T expansion
  - F trace
- 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

profiling   table
- F add
- F distance
- F fixedprofile
- F get
- F list
- F pagehandler
- F profilebox
- F set

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	**lhash**	data table
adobename	function	**linebreaks**	table
bidi	data table	S ai	
blockrange	function	S al	
blocks	data table	S b2	
casemap	table	S ba	
categories	data table	S bb	
category	function	S bk	
categorytags	data table	S cb	
collapsed	data table	S cj	
combined	data table	S cl	
contextname	function	S cm	
csletters	data table	S cp	
data	data table	S cr	
decomposed	data table	S ex	
description	function	S gl	
descriptions	data table	S h2	
detailtags	data table	S h3	
directions	table	S hl	
enccodes	data table	S hy	
entities	data table	S id	
fallbacks	data table	S in	
filters	data table	S is	
fractions	table	S jl	
fromnumber	function	S jt	
fschars	data table	S jv	
fscodes	data table	S lf	
getrange	function	S nl	
graphemes	data table	S ns	
hangul	data table	S nu	
initialize	function	S op	
is_character	data table	S po	
is_command	data table	S pr	
is_letter	data table	S qu	
is_mark	data table	S ri	
is_punctuation	data table	S sa	
is_spacing	data table	S sg	
lcchars	data table	S sp	
lccode	function	S sy	
lccodes	data table	S wj	
lettered	function	S xx	

S zw

lower	function
math	table
mathpairs	data table
mirrors	table
otfscripts	data table
ranges	data table
registerentities	function
remap_hangul_syllabe	function
setactivecatcodes	function
setlettercatcodes	function
shape	function
shaped	function
shash	data table
shchars	data table
shcodes	data table
showstring	function
specialchars	data table
specials	data table
splits	table

   T char

   T compat

subscripts	table
superscripts	table
synonyms	data table
tex	table

   D accentmapping

   D commandmapping

   F defineaccents

   F safechar

   F toutf

   F toutfpattern

textclasses	table
tonumber	function
ucchars	data table
uccode	function
uccodes	data table
uhash	data table
unicodechar	function
upper	function

chemistry (context)

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

containers (context)

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

converters (context)

A	function	**lower**	function
AK	function	**maxchrs**	function
Alphabetic	function	**minute**	function
Character	function	**month**	function
Characters	function	**nicenumber**	function
Characters:es	function	**nofdays**	function
I	function	**number**	function
KA	function	**numbers**	function
KR	function	**octnumber**	function
R	function	**octstringtonumber**	function
RK	function	**ordinal**	function
Romannumerals	function	**r**	function
Sloviannumerals	function	**rawcharacter**	function
Spanishnumerals	function	**romannumerals**	function
Word	function	**second**	function
Words	function	**sequences**	data table
a	function	**sloviannumerals**	function
abjadnodotnumerals	function	**spanishnumerals**	function
abjadnumerals	function	**textime**	function
alphabetic	function	**toabjad**	function
character	function	**tochinese**	function
characters	function	**toroman**	function
characters:es	function	**uchexnumber**	function
chineseallnumerals	function	**uchexnumbers**	function
chinesecapnumerals	function	**upper**	function
chinesenumerals	function	**verbose**	table
chr	function	D data	
chrs	function	F translate	
cn	function	**weekday**	function
cn-a	function	**word**	function
cn-c	function	**words**	function
convert	function	**year**	function
decimals	function		
define	function		
hexstringtonumber	function		
hour	function		
i	function		
isleapyear	function		
lchexnumber	function		
lchexnumbers	function		
leapyear	function		

coroutine (basic lua)

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

ctxrunner (context)

load   function
preparedfile function
prepfiles   data table
resolve   function

debug (basic lua)

debug	function
getfenv	function
gethook	function
getinfo	function
getlocal	function
getmetatable	function
getregistry	function
getupvalue	function
getuservalue	function
setfenv	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
done	table
enable	function
list	function
name	string
register	function
report	function
reset	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
setcommandline	function
setdefaultargument	function
setenvironments	function
setfilename	function
setfilenames	function
setmodes	function
setmodules	function
variables	data table

environment (context)

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

epdf (extra tex)

Array	function
Attribute	function
AttributeOwner_Type	function
Attribute_Type	function
Dict	function
Object	function
PDFRectangle	function
StructElement_Type	function
open	overloaded function
openMemStream	function
type	function

experiments (context)

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

figures (context)

applyratio	function		F totable
badname	function		F types
bases	data table		F write
bitmapimage	function	**include**	function
boxnumber	number	**includers**	data table
cachepaths	data table	**initialize**	function
check	function	**loaded**	data table
checkers	data table	**localpaths**	data table
converters	data table	**magics**	data table
current	function	**mergegoodies**	function
defaultdepth	number	**nofprocessed**	number
defaultheight	number	**order**	data table
defaultsearch	boolean	**paths**	data table
defaultwidth	number	**patterns**	data table
done	function	**pop**	function
dummy	function	**preferquality**	boolean
existers	data table	**programs**	data table
exists	function	**push**	function
formats	data table	**registerpattern**	function
found	data table	**registerresource**	function
get	function	**registersuffix**	function
getrealpage	function	**resources**	data table
guess	function	**scale**	function
hash	function	**setlookups**	function
identifiers	data table	**setorder**	function
identify	function	**setpaths**	function
images	table	**suffixes**	data table
F boxes		**used**	data table
F check			
F checksize			
F clone			
F copy			
F immediatewrite			
F keys			
F new			
F node			
F ofindex			
F package			
F print			
F scan			
F serialize			

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
hasstacked	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	overloaded function
open	overloaded 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
- F placeholder

cid   table
- F getmap
- F loadfile

collections   table
- F checkenabled
- F clonevector
- F define
- T definitions
- F found
- F prepare

- F process
- F registermain
- F report
- F reset
- T vectors

constructors   table
- F addcoreunicodes
- F aftercopyingcharacters
- F applymanipulators
- F assignmathparameters
- B autocleanup
- F beforecopyingcharacters
- D cache
- B cacheintex
- F calculatescale
- F checkedfeatures
- F checkedfilename
- F checkvirtualids
- F cleanuptable
- F collectprocessors
- F currentfonthasfeature
- 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 xheight	
S height		T properties	
S width		S autoitalicamount	
T parameters		T cidinfo	
S ascender		S embedding	
S descender		S encodingbytes	
S designsize		S filename	
T expansion		S finalized	
S auto		S fontname	
S shrink		S format	
S step		S fullname	
S stretch		S hasitalics	
S extendfactor		S hasmath	
S factor		S mathitalics	
S hfactor		S mode	
S mathsize		S name	
T protrusion		S noglyphnames	
S auto		S nostackmath	
S quad		S psname	
S scaledpoints		S textitalics	
S scriptpercentage		S virtualized	
S scriptscriptpercentage		D loadedfonts	
S size		S namemode	
S slantfactor		F newfeatures	
S slantperpoint		F newhandler	
T spacing		N noffontsloaded	
S extra		N nofsharedfonts	
S shrink		N nofsharedhashes	
S stretch		N nofsharedvectors	
S width		N privateoffset	
T synonyms		F readanddefine	
S em		F registerfeature	
S ex		B resolvevirtualtoo	
S extra_space		F scale	
S extraspace		F scaled	
S slant		F setfactor	
S space		F setname	
S space_shrink		B sharefonts	
S space_stretch		F trytosharefont	
S spaceshrink		N version	
S spacestretch		**current**	function
S x_height		**currentid**	function
S units		**definers**	table
S vfactor		F addlookup	

F analyze	N Encyrillic
F applypostprocessors	N Ercyrillic
F checkedmode	N Ereversedcyrillic
F checkedscript	N Escyrillic
F current	N Fitacyrillic
S defaultlookup	N Gcedilla
F define	N Gdot
F getspecification	N Gecyrillic
F internal	N Gheupturncyrillic
F loadfont	N Gjecyrillic
F makespecification	N Hardsigncyrillic
T methods	N IAcyrillic
F install	N IUcyrillic
D variants	N Icyrillic
F read	N Idot
F register	N Iecyrillic
F registered	N Iicyrillic
F registersplit	N Iishortcyrillic
F resetnullfont	N Iocyrillic
F resolve	N Izhitsacyrillic
T resolvers	N Jecyrillic
F file	N Kacyrillic
F name	N Kcedilla
F spec	N Khacyrillic
definetypeface function	N Kjecyrillic
encodings table	N Lcedilla
T agl	N Ljecyrillic
D ctxcodes	N Ncedilla
D extras	N Njecyrillic
D names	N Ocyrillic
T synonyms	N Odblacute
N Acyrillic	N Ohm
N Becyrillic	N Pecyrillic
N Cdot	N Rcedilla
N Checyrillic	N Shacyrillic
N Decyrillic	N Shchacyrillic
N Djecyrillic	N Softsigncyrillic
N Dzecyrillic	N Tcedilla
N Dzhecyrillic	N Tecyrillic
N Ecyrillic	N Tsecyrillic
N Edot	N Tshecyrillic
N Efcyrillic	N Ucyrillic
N Elcyrillic	N Udblacute
N Emcyrillic	N Ushortcyrillic

N Vecyrillic	N daletholam
N Yatcyrillic	N daletholamhebrew
N Yericyrillic	N daletpatah
N Yicyrillic	N daletpatahhebrew
N Zdot	N daletqamats
N Zecyrillic	N daletqamatshebrew
N Zhecyrillic	N daletqubuts
N acutecmb	N daletqubutshebrew
N acyrillic	N daletsegol
N afii00208	N daletsegolhebrew
N afii08941	N daletsheva
N afii57694	N daletshevahebrew
N afii57695	N dalettsere
N afii57700	N dammaarabic
N afii57705	N dammatanaltonearabic
N afii57723	N dargahebrew
N alef	N dbllowline
N alefmaksurainitialarabic	N decimalseparatorarabic
N alefmaksuramedialarabic	N dialytikatonos
N approximatelyequal	N dotbelowcmb
N asteriskaltonearabic	N doubleyodpatah
N ayin	N doubleyodpatahhebrew
N bet	N edot
N betdagesh	N eightarabic
N blackdownpointingtriangle	N eighthnotebeamed
N blackleftpointingpointer	N etnahtafoukhhebrew
N blackrectangle	N etnahtafoukhlefthebrew
N blackrightpointingpointer	N etnahtahebrew
N blacksmilingface	N fathaarabic
N blacksquare	N finalkaf
N blackuppointingtriangle	N finalkafdagesh
N bulletinverse	N finalkafhebrew
N cdot	N finalkafqamats
N compass	N finalkafqamatshebrew
N dagesh	N finalkafsheva
N dalet	N finalmem
N daletdagesh	N finalnun
N dalethatafpatah	N finalpe
N dalethatafpatahhebrew	N finaltsadi
N dalethatafsegol	N fivearabic
N dalethatafsegolhebrew	N forall
N dalethebrew	N fourarabic
N dalethiriq	N gcedilla
N dalethiriqhebrew	N gdot

N gimel

N gimeldagesh

N gravecmb

N haaltonearabic

N hamzaarabic

N hamzadammaarabic

N hamzadammatanarabic

N hamzafathaarabic

N hamzafathatanarabic

N hamzalowarabic

N hamzalowkasraarabic

N hamzalowkasratanarabic

N hatafpatah

N hatafpatah16

N hatafpatah23

N hatafpatah2f

N hatafpatahhebrew

N hatafpatahnarrowhebrew

N hatafpatahquarterhebrew

N hatafqamats

N hatafqamats1b

N hatafqamats28

N hatafqamats34

N hatafqamatshebrew

N hatafqamatsnarrowhebrew

N hatafqamatsquarterhebrew

N hatafsegol

N hatafsegol17

N hatafsegol24

N hatafsegol30

N hatafsegolhebrew

N hatafsegolnarrowhebrew

N hatafsegolquarterhebrew

N he

N hedagesh

N hehfinalalttwoarabic

N het

N hiriq

N hiriq14

N hiriq21

N hiriq2d

N hiriqhebrew

N hiriqnarrowhebrew

N hiriqquarterhebrew

N holam

N holam19

N holam26

N holam32

N holamhebrew

N holamnarrowhebrew

N holamquarterhebrew

N ilde

N integralbottom

N integraltop

N kaf

N kafdagesh

N kashidaautoarabic

N kashidaautonosidebearingarabic

N kcedilla

N lamed

N lameddagesh

N lamedhebrew

N lamedholam

N lamedholamdagesh

N lamedholamdageshhebrew

N laminitialarabic

N lammeemjeeminitialarabic

N lcedilla

N logicalnotreversed

N mahapakhhebrew

N mem

N memdagesh

N merkhahebrew

N merkhakefulahebrew

N middot

N munahhebrew

N nbspace

N ncedilla

N newsheqelsign

N ninearabic

N noonhehinitialarabic

N nun

N nundagesh

N odblacute

N onearabic

N overscore

N patah

N patah11

N patah1d
N patah2a
N patahhebrew
N patahnarrowhebrew
N patahquarterhebrew
N pe
N pedagesh
N qamats
N qamats10
N qamats1a
N qamats1c
N qamats27
N qamats29
N qamats33
N qamatsde
N qamatshebrew
N qamatsnarrowhebrew
N qamatsqatanhebrew
N qamatsqatannarrowhebrew
N qamatsqatanquarterhebrew
N qamatsqatanwidehebrew
N qamatsquarterhebrew
N qof
N qofdagesh
N qofhatafpatah
N qofhatafpatahhebrew
N qofhatafsegol
N qofhatafsegolhebrew
N qofhebrew
N qofhiriq
N qofhiriqhebrew
N qofholam
N qofholamhebrew
N qofpatah
N qofpatahhebrew
N qofqamats
N qofqamatshebrew
N qofqubuts
N qofqubutshebrew
N qofsegol
N qofsegolhebrew
N qofsheva
N qofshevahebrew
N qoftsere

N qubuts
N qubuts18
N qubuts25
N qubuts31
N qubutshebrew
N qubutsnarrowhebrew
N qubutsquarterhebrew
N quoteleftreversed
N rafe
N rcedilla
N reharabic
N resh
N reshhatafpatah
N reshhatafpatahhebrew
N reshhatafsegol
N reshhatafsegolhebrew
N reshhebrew
N reshhiriq
N reshhiriqhebrew
N reshholam
N reshholamhebrew
N reshpatah
N reshpatahhebrew
N reshqamats
N reshqamatshebrew
N reshqubuts
N reshqubutshebrew
N reshsegol
N reshsegolhebrew
N reshsheva
N reshshevahebrew
N reshtsere
N reviahebrew
N samekh
N samekhdagesh
N segol
N segol13
N segol1f
N segol2c
N segolhebrew
N segolnarrowhebrew
N segolquarterhebrew
N sevenarabic
N sfthyphen

N shaddaarabic	N vavholam
N sheqel	N yerahbenyomohebrew
N sheva	N yod
N sheva115	N yoddagesh
N sheva15	N zayin
N sheva22	N zayindagesh
N sheva2e	N zdot
N shevahebrew	N zeroarabic
N shevanarrowhebrew	D unicodes
N shevaquarterhebrew	D cache
N shin	F is_known
N shindagesh	D known
N shindageshshindot	F load
N shindageshsindot	F make_unicode_vector
N shinshindot	D math
N shinsindot	N version

N siluqhebrew	**expansions** data table
N sixarabic	**formats** data table
N tav	**getalternate** function
N tavdages	**getdiscexpansion** function
N tavdagesh	**getkern** function
N tcedilla	**getmultiple** function
N tchehinitialarabic	**getsubstitution** function
N tet	**getters** table
N tetdagesh	T alternate
N tevirhebrew	F opentype
N thousandsseparatorarabic	T kern
N threearabic	F opentype
N tildecmb	F type1
N tipehahebrew	T multiple
N tsadi	F opentype
N tsadidagesh	T substitution
N tsere	F opentype
N tsere12	**goodies** table
N tsere1e	D colorschemes
N tsere2b	D data
N tserehebrew	D designsizes
N tserenarrowhebrew	D filenames
N tserequarterhebrew	F getcompositions
N twoarabic	T list
N udblacute	F compositions
N vav	F designsizes
N vavdagesh	F expansions
N vavdagesh65	F featureset

```
  F gpos                              N version
  F gsub                            F scriptandlanguage
  F head                            F setdynamics
  F hhea                            F setfeatures
  F hmtx                            T statistics
  F kern                              D usedfeatures
  F loadfont                        T tables
  F loadshapes                        D baselines
  F loca                              D features
  F math                              D languages
  F maxp                              D scripts
  F name                            F unpackoutlines
  F os/2                             N version
  F pack                          T pfb
  F post                          T tfm
  F rehash                          D features
T streamreader                      F setfeatures
  F close                           N version
  F getposition                   T vf
  F look                            T combinations
  F open                            F combine
  F read2dot14                      T combiner
  F readbyte                          D commands
  F readbytes                       D helpers
  F readcardinal                    D math
  F readcardinal1                   D predefined
  F readcardinal2                   N version
  F readcardinal3                   D whatever
  F readcardinal4             hashes              table
  F readchar                        D characters
  F readfixed4                      D csnames
  F readinteger                     D descriptions
  F readinteger1                    D dynamics
  F readinteger2                    D emwidths
  F readinteger4                    D exheights
  F readstring                      D extensibles
  F readtag                         D features
  F setposition                     D identifiers
  F size                            D italics
  F skip                            D lastmathids
  F skiplong                        D marks
  F skipshort                       D modes
N tableversion                      D originals
F unpack                            D parameters
```

T	processes		F	makenameparser
D	properties		D	overloads
D	quads		F	reset
D	resources		F	tounicode
T	setdynamics		F	tounicode16
T	shapes		F	tounicode16sequence

helpers table

			metapost	table
F	addprivate		F	boundingbox
F	dimenfactor		F	boxtomp
F	expandglyph		F	draw
F	fontpatternhassize		F	fill
F	getdigitwidth		F	maxbounds
F	getparameters		F	output
F	getprivatenode		F	paths
F	hasprivate		F	widthline
F	indextoslot		F	zeroline
F	name		**mp**	table
F	nametoslot		D	cache
F	setdigitwidth		B	inline
F	splitfontpattern		N	version
F	tochar			

infofont function

| | | | **names** | data table |
| | | | **nulldata** | data table |

iterators table

			protrusions	data table
F	characters		**readers**	table
F	descriptions		F	afm
F	glyphs		F	check_lua

loggers table

			F	check_tfm
F	add_placeholders		F	lua
D	category_to_placeholder		F	opentype
F	format		F	otf
F	onetimemessage		F	pfb
F	register		D	sequence
F	reportdefinedfonts		F	tfm
F	reportusedfeatures		F	ttc
			F	ttf

mappings table

			select	table
F	addtounicode		T	data
F	fromunicode16		F	define
F	loadfile		F	definetypeface
F	loadline		T	fallbacks
			F	filterinput
			T	methods
			F	default
			F	features

	F file
	F goodies
	F name
	F selectfont
	F simplefonts
	F spec
	F style
	F registerfallback
	F searchfiles

setdiscexpansion function
specifiers table

D contextmerged

F contextnumber

D contextnumbers

D contextsetups

F contexttostring

F definecontext

F mergecontext

F presetcontext

F registercontext

F showcontext

F splitcontext

D synonyms

D variants

symbols table

F uselibrary

tables table
tracers table
treatments table

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	F MPr
cachedsetups	data table	F MPrest
cachesetup	function	F MPrs
checkedspecification	function	F MPul
complete	data table	F MPur
constants	data table	F MPw
corenamespaces	data table	F MPx
definecommand	function	F MPxy
doifelsemessage	function	F MPxywhd
elements	data table	F MPy
formats	data table	F Romannumerals
getcheckedparameters	function	F abjadnodotnumerals
getmessage	function	F abjadnumerals
hashedsetups	data table	F addcounter
implement	function	F addfeature
interfacedcommand	function	F addgrapheme
interfaces	table	F addlinklistelement
invalidkey	function	F addreplacements
is_command	function	F addtojavascriptpreamble
message	function	F addtolist
namespaces	table	F addvalidinterfacekeys
F define		F allinputpaths
F list		F alphabetic
registernamespace	function	F analysefloatmethod
scanners	table	F analyzeitemgroup
F Alphabetic		F analyzelist
F Character		F analyzeregister
F Characters		F applytobox
F MPLIBconvertoutlinetext		F applytofirstcharacter
F MPc		F assignbuffer
F MPd		F autofinishstructurelevels
F MPh		F autonextspace
F MPll		F autonextstructurelevel
F MPlr		F autosetups
F MPls		F autostarttext
F MPn		F autostoptext
F MPp		F averagecharwidth
F MPpardata		F bitmapimage
F MPplus		F boxtostring
F MPpos		F bposcolumn
F MPposset		F bposcolumnregistered

F btxabbreviatedjournal

F btxaddentry

F btxaddjournal

F btxauthor

F btxauthorfield

F btxauthortoregister

F btxcollectlistentries

F btxcurrentfirstnames

F btxcurrentinitials

F btxcurrentjuniors

F btxcurrentsurnames

F btxcurrentvons

F btxdetail

F btxdirect

F btxdoif

F btxdoifelse

F btxdoifelsecombiinlist

F btxdoifelsesameasprevious

F btxdoifelseuservariable

F btxdoifnot

F btxexpandedjournal

F btxfetchlistentries

F btxfield

F btxfieldname

F btxfieldtype

F btxfirstofrange

F btxflush

F btxflushlistcombi

F btxflushlistentry

F btxflushmarked

F btxflushpages

F btxfoundname

F btxfoundtype

F btxhandlecite

F btxhandlenocite

F btxlastofrange

F btxlistvariant

F btxloaddefinitionfile

F btxloadjournallist

F btxloadreplacementfile

F btxoneorrange

F btxpreparelistentries

F btxremapauthor

F btxsavedataset

F btxsavejournallist

F btxsetdataset

F btxsetentry

F btxsetregister

F btxsetspecification

F btxsingularorplural

F btxtoregister

F btxusedataset

F btxuservariable

F buildtextaccent

F character

F characters

F chardescription

F checkcountersetup

F checkedconversion

F checkedpagefloat

F checkinjector

F checkinterfacechain

F checknextinjector

F checkpreviousinjector

F checktwopassdata

F chemicalcomponent

F chinesenumerals

F cleanfontname

F cleanupbox

F cleanuplayers

F clonefield

F collectfloat

F collecthelp

F colorcomponents

F concatcommalist

F consultfloat

F convertbtxdatasettoxml

F converteddimen

F convertmpstopdf

F copyposition

F cos

F cosd

F countervalue

F counttwopassdata

F currentcomponent

F currentdate

F currentdesignsize

F currentenvironment

F currentposthyphenchar
F currentprehyphenchar
F currentproduct
F currentproject
F currentreferenceorder
F currentsectiontolist
F datasetvariable
F dayname
F decimals
F decrementcounter
F decrementedcounter
F decrementsubcounter
F defineaccents
F defineattribute
F definebreakpoint
F definebreakpoints
F definecharacterspacing
F definechemical
F defineconversion
F definecounter
F definedlayoutcomponent
F definefallbackfamily
F definefield
F definefieldset
F definefilefallback
F definefilesynonym
F definefont_one
F definefont_two
F definefontfamily
F definefontfeature
F definefontsolution
F definehyphenationfeatures
F defineinsertion
F defineintermediatecolor
F definelabels
F definelanguage
F definelinkedlist
F definemarking
F definemetafont
F definemultitonecolorglobal
F definenamespace
F definenote
F defineparallel
F defineparbuilder

F defineprocesscolordummy
F defineprocesscolorglobal
F defineprocesscolorlocal
F defineprogram
F definereference
F defineregister
F definerule
F definesectionlevels
F defineselectfont
F defineshift
F definesnapmethod
F definespotcolorglobal
F definestructureblock
F definestructureset
F definetransparency
F definetwopasslist
F definetypeface
F defineviewerlayer
F depthnumber
F digits_normal
F digits_reverse
F disableautofontscript
F disabledirectives
F disableexperiments
F disablejobsave
F disableparbuilder
F disableregime
F disablespellchecking
F disablestatetriggering
F disablestream
F disabletrackers
F discardfromlist
F doanalyzeframedbox
F doifcounter
F doifelseblack
F doifelsebuffer
F doifelsecharinfont
F doifelsecommon
F doifelsecontinuewithfile
F doifelseconverter
F doifelsecounter
F doifelsecurrentfonthasfeature
F doifelsedrawingblack
F doifelsefieldcategory

F doifelsefiledefined
F doifelsefileexist
F doifelsefirstchar
F doifelsefontpresent
F doifelseinelement
F doifelseinputfile
F doifelseinset
F doifelseintwopassdata
F doifelseleapyear
F doifelselisthasentry
F doifelselisthasnumber
F doifelselisthaspage
F doifelselisthastitle
F doifelselocfile
F doifelsemarking
F doifelsemessage
F doifelseobjectreferencefound
F doifelseolderversion
F doifelseoverlapping
F doifelseparallel
F doifelseparentfile
F doifelsepathexist
F doifelseposition
F doifelsepositiononpage
F doifelsepositionsonsamepage
F doifelsepositionsonthispage
F doifelsepositionsused
F doifelserangeonpage
F doifelsereference
F doifelsesame
F doifelsestackedfloats
F doifelsesynonymshown
F doifelsesynonymused
F doifelseurldefined
F doifelseutfmathabove
F doifelseutfmathaccent
F doifelseutfmathbelow
F doifelseutfmathfiller
F doifelsevisualizer
F doiffieldsetelse
F doifnotcounter
F doifnotecontent
F doifnoteonsamepageasprevious
F doifnotsame

F doifposition
F doifsame
F doprocesstypescriptfile
F doreshapeframedbox
F dosaveposition
F dosavepositionplus
F dosavepositionwhd
F dosetposition
F dosetpositionbox
F dosetpositionplus
F dosetpositionstrut
F dosetpositionwhd
F dostarttextfile
F dostoptextfile
F elapsedtime
F enableasciimode
F enableautofences
F enableautofontscript
F enablebackgroundalign
F enablebackgroundboxes
F enablecolor
F enablecolorintents
F enablecrlf
F enabledirectives
F enableexperiments
F enablefontcolorschemes
F enableinteraction
F enableparbuilder
F enableregime
F enablerules
F enableshifts
F enablespellchecking
F enablestatetriggering
F enablestream
F enabletrackers
F enabletransparency
F enableutf
F enhancelinkedlist
F enhancelist
F enhancereference
F enhanceregister
F eposcolumn
F eposcolumnregistered
F erasebuffer

F	execute	F	flushpostponedblocks
F	expandcurrentreference	F	flushpostponednotes
F	exportformdata	F	flushstream
F	exportreferences	F	flushstreamcopy
F	extendregister	F	fontchar
F	extensiblecode	F	fontcharbyindex
F	featureattribute	F	fontcollectionclone
F	featurelist	F	fontcollectiondefine
F	feedback	F	fontcollectionprepare
F	fetchallmarks	F	fontcollectionregister
F	fetchmultipar	F	fontcollectionreport
F	fetchmultishape	F	fontcollectionreset
F	fetchonemark	F	fontlookupgetkey
F	fetchposboxes	F	fontlookupgetkeyofindex
F	fetchtwomarks	F	fontlookupinitialize
F	figure_check	F	fontlookupnoffound
F	figure_done	F	forceendjob
F	figure_dummy	F	forcequitjob
F	figure_identify	F	formatcolor
F	figure_include	F	formatgray
F	figure_mergegoodies	F	from
F	figure_pop	F	getbidimode
F	figure_push	F	getbodyfontsizes
F	figure_reset	F	getbuffer
F	figure_scale	F	getbufferctxlua
F	figurefilename	F	getbuffermkvi
F	figurefilepath	F	getcheckedinterfaceparameters
F	figurefiletype	F	getcurrentprefixspec
F	figurerequest	F	getcurrentreferencemetadata
F	figurestatus	F	getdefaultfieldvalue
F	figureused	F	getdocumentargument
F	filterdefaultreference	F	getdocumentfilename
F	filterreference	F	getelementtag
F	finalizebox	F	getfieldcategory
F	findtwopassdata	F	getfile
F	finishexport	F	getfirstcharacter
F	firstcountervalue	F	getfirsttwopassdata
F	firstinset	F	getfloatvariable
F	firstsubcountervalue	F	getfullstructurenumber
F	flushfloat	F	getinternallistreference
F	flushlabeledfloat	F	getlasttwopassdata
F	flushnotes	F	getmarking
F	flushpageinjectionsafter	F	getmathdomain
F	flushpageinjectionsbefore	F	getmathitalics

F getmessage	F inlinechemical
F getmpextensions	F inputfilebarename
F getmprandomnumber	F inputfilename
F getnaturaldimensions	F inputfilerealsuffix
F getnotestate	F inputfilesuffix
F getprivatechar	F insertattachment
F getprogram	F insertcomment
F getrandomdimen	F insertfield
F getrandomfloat	F insertionnumber
F getrandomnumber	F insertrenderingwindow
F getrandomseed	F installedlanguages
F getreadfilename	F installtexdirective
F getsomefullstructurenumber	F installtextracker
F getsomestructurenumber	F jobfilename
F getspecificstructuretitle	F jobfilesuffix
F getstructurelevel	F languagenumber
F getstructurenumber	F lastcountervalue
F getsubstring	F lastsubcountervalue
F gettexbuffer	F lchexnumber
F gettwopassdata	F lchexnumbers
F gettwopassdatalist	F leapyear
F geturl	F linenumbersstageone
F getvisual	F linenumbersstagetwo
F hboxovbox	F listgroupindex
F helpaction	F listlabel
F helpreference	F listlocation
F hexstringtonumber	F listnamespaces
F horizontalcode	F listprefixednumber
F hour	F listprefixedpage
F hyphenatedlist	F listrealpage
F hyphenatedurl	F listsize
F immediatemessage	F listtitle
F incrementcounter	F listuserdata
F incrementedcounter	F loadexamodes
F incrementsubcounter	F loadfontgoodies
F initializejob	F loadluamodule
F initializemathdomain	F loadmapfile
F initializemathitalics	F loadmapline
F initializestream	F loadspellchecklist
F initializetexdirectives	F loadtypescriptfile
F initializetextrackers	F loadvisualizer
F injectcurrentreference	F locatefilepath
F injectcurrentreferencehtdp	F locfilename
F injectreference	F lower

F lpdf_adddocumentcolorspace	F mpgettext
F lpdf_adddocumentextgstate	F mpgraphic
F lpdf_adddocumentpattern	F mpoptions
F lpdf_adddocumentshade	F mprunset
F lpdf_addpageattributes	F mpruntab
F lpdf_addpageresources	F mprunvar
F lpdf_addpagesattributes	F mpsetclippath
F lpdf_addtocatalog	F mpsetoutercolor
F lpdf_addtoinfo	F mpsetsxsy
F lpdf_addtonames	F mpsettext
F lpdf_collectedresources	F mptexget
F lpdf_color	F mptexreset
F luascript	F mptexset
F luathread	F mptexsetfrombuffer
F lxmlid	F namedstructureuservariable
F markcontent	F namedstructurevariable
F markingnumber	F naturalwd
F markingtitle	F nbfs
F markinjector	F nextcountervalue
F markregionbox	F nextparallel
F markregionboxcorrected	F nextsubcountervalue
F markregionboxtagged	F nofdays
F markvisualfonts	F nofstackedfloats
F mathfraction	F notedeltapage
F mathrenderset	F notelistindex
F message	F notenumberpage
F metapostescaped	F noteprefixednumber
F metapostformatted	F notesymbolpage
F metapostgraphformat	F notetitle
F minute	F ntimes
F mixcleanup	F number
F mixfinalize	F numbers
F mixflushlist	F objectnumber
F mixflushrest	F objectpage
F mixgetsplit	F octnumber
F mixsetsplit	F octstringtonumber
F mixstate	F operatingsystem
F molecule	F ordinal
F month	F outputfilename
F monthmnem	F overloadbookmark
F monthname	F overloaderror
F mpcolor	F pagestaterealpage
F mpflushliteral	F parpos
F mpflushreset	F pdfrotation

F pdfstartmatrix	F purefontname
F pdfstartmirroring	F pushfloat
F pdfstartrotation	F pushhyphenation
F pdfstartscaling	F pushitaliccorrection
F pdfstopmatrix	F pushlist
F pdfstopmirroring	F pushpath
F pdfstoprotation	F pushrandomseed
F pdfstopscaling	F pushreferenceprefix
F percentageof	F pushregime
F pgfxcolorspec	F pushsectionblock
F pickupbuffer	F pushstream
F pickupmarkedcontent	F rawcharacter
F pickuppunctuation	F rawcountervalue
F placeparallel	F rawdate
F popfloat	F rawsubcountervalue
F pophyphenation	F referencepagedetail
F popitaliccorrection	F referencepagestate
F poplist	F referencerealpage
F poppath	F registerattachment
F poprandomseed	F registerbackendsymbol
F popreferenceprefix	F registerbodyfontsize
F popregime	F registerbookmark
F popsectionblock	F registerbuttons
F postponenotes	F registercolorintent
F prefixedconverted	F registeredviewerlayer
F presetsymbollist	F registerfigurepattern
F presettabulate	F registerfiguresuffix
F prevcountervalue	F registerhelp
F previoussubcountervalue	F registerhyphenationexception
F processbodyfontsizes	F registerhyphenationpattern
F processbuffer	F registeritemgroup
F processcolorcomponents	F registerlanguagefeatures
F processedfile	F registerlinenumbering
F processedfiles	F registermaintextcolor
F processfile	F registermpyfile
F processfilemany	F registernamedlua
F processfilenone	F registernamespace
F processfileonce	F registerpostponedblock
F processjob	F registerrendering
F processlist	F registersection
F processregister	F registershownsynonym
F processsplit	F registerstructureprocessor
F processsynonyms	F registersynonym
F profilebox	F registerunit

F registerusedsynonym	F savebuffer
F registeruserdata	F savecounter
F relatemarking	F savecurrentattributes
F renderingvar	F savedlistnumber
F replacefeature	F savedlistprefixednumber
F replacepospxywhd	F savedlisttitle
F reportstructure	F savefloat
F resavefloat	F savemargindata
F resetcharacteralign	F savenote
F resetcounter	F saveobject
F reseteffect	F savepagedata
F resetfeature	F savepageinjections
F resetfontfeature	F saveparallel
F resetfontsolution	F savespecificfloat
F resetinjector	F savestructureblock
F resetitaliccorrection	F savetaggedtwopassdata
F resetmapfiles	F savetwopassdata
F resetmarking	F savevariable
F resetmathattributes	F second
F resetmathitalics	F selectstructureblock
F resetnullfont	F setactivecatcodes
F resetparallel	F setbreakpoints
F resetpath	F setcharacteralign
F resetprevdepth	F setcharactercasing
F resetreference	F setcharactercleaning
F resetscript	F setcharacterkerning
F resetshownsynonyms	F setcharacterspacing
F resetstructureprocessor	F setcharacterstripping
F resetsubcounter	F setclosedocumentaction
F resettimer	F setclosepageaction
F resettrackers	F setcolormodel
F resetusedsynonyms	F setcounter
F restartcounter	F setdataset
F restartsubcounter	F setdigitsmanipulation
F restorecounter	F setdirection
F restorecurrentattributes	F setdocumentargument
F restorenote	F setdocumentcommandline
F reuserandomseed	F setdocumentctxfile
F revivefeature	F setdocumentdefaultargument
F romannumerals	F setdocumentenvironments
F rounded	F setdocumentfilename
F runbuffer	F setdocumentfilenames
F runcontextjob	F setdocumentmodes
F safechar	F setdocumentmodules

F seteffect
F setelementuserproperties
F setfigurelookuporder
F setfigurepaths
F setfirstline
F setfontfeature
F setfontofid
F setfontsolution
F setformat
F setformsmethod
F sethyphenatedurlcharacters
F sethyphenationfeatures
F sethyphenationmethod
F setinitial
F setinitialsectionblock
F setinjector
F setinnerreferencemethod
F setinsertionlocation
F setinterfaceconstant
F setinterfaceelement
F setinterfacemessage
F setinterfacemessages
F setinterfacevariable
F setinternalreference
F setitaliccorrection
F setjavascriptpreamble
F setjobcomment
F setlanguageexceptions
F setlanguagesynonym
F setlettercatcodes
F setmarking
F setmathalphabet
F setmathalternate
F setmathattribute
F setmathdirection
F setmathdomain
F setmathitalics
F setmathstyle
F setmpextensions
F setnegative
F setnextinternalreference
F setnextreferenceorder
F setnotestate
F setnotesymbolpage

F setobject
F setopendocumentaction
F setopenpageaction
F setowncounter
F setownsubcounter
F setpagecolormodel
F setpagestate
F setpagestaterealpageno
F setpagetransition
F setparbuilder
F setprofile
F setrandomseed
F setrealign
F setrealspaces
F setreferencearguments
F setreferenceattribute
F setreferenceoperation
F setregionbox
F setregionboxtagged
F setregistermethod
F setreplacements
F setscript
F setsectionblock
F setsectionentry
F setstructureblockstate
F setstructurelevel
F setstructurenumber
F setsubcounter
F settagaspect
F settagcombination
F settagdelimitedsymbol
F settagfigure
F settaggedmetadata
F settaghighlight
F settagitem
F settagitemgroup
F settaglist
F settagnotation
F settagnotationsymbol
F settagproperty
F settagproperty_b
F settagproperty_n
F settagregister
F settagsorting

F settagsubsentencesymbol	F startenvironment
F settagsynonym	F startfontsolution
F settagtablecell	F startparbuilder
F settagtabulatecell	F startproduct
F setupbookmarks	F startproject
F setupcanvas	F startregime
F setupcharacterspacing	F startsectionlevel
F setupexport	F startstream
F setupfontexpansion	F starttag
F setupfontprotrusion	F starttag_c
F setupidentity	F starttag_d
F setupinsertion	F starttag_u
F setupitaliccorrection	F starttext
F setuplinenumbering	F startviewerlayer
F setuserinterface	F stopactualtext
F setvalidinterfacekeys	F stopchemical
F setvisual	F stopcolorset
F setvisualfont	F stopcomponent
F setvisuallayer	F stopenvironment
F setxmpfile	F stopfontsolution
F showassignerror	F stopparbuilder
F showattributes	F stopproduct
F showcounter	F stopproject
F showdebuginfo	F stopregime
F showdirectives	F stopsectionlevel
F showdiscretionaries	F stopstream
F showexperiments	F stoptag
F showhyphenatedinlist	F stoptext
F showhyphenationtrace	F stopviewerlayer
F showinjector	F storejavascriptcode
F showjustification	F storejavascriptpreamble
F showlogcategories	F storenote
F showmessage	F storeregister
F showtrackers	F strdp
F sin	F strhd
F sind	F strht
F splitfilename	F strip
F spotcolorname	F structureautocatcodedget
F spotcolorparent	F structurecatcodedget
F spotcolorvalue	F structuregivencatcodedget
F startactualtext	F structurenumber
F startchemical	F structuretitle
F startcolorset	F structureuservariable
F startcomponent	F structurevariable

```
F strwd                                    F usefile
F subcountervalue                          F usejavascriptpreamble
F subcountervalues                         F usejavascriptscripts
F subsubcountervalues                      F useluafile
F subtractfeature                          F useluafileonce
F synchronizemarking                       F useluamodule
F synchronizestream                        F usemodules
F synonymmeaning                           F usepath
F synonymname                              F useproduct
F systemlog                                F useproject
F tagmfunctionlab                          F usesubpath
F tagmfunctiontxt                          F usesymbols
F tan                                      F usetexfile
F tand                                     F usetexfileonce
F texdefinition_one                        F useurl
F texdefinition_two                        F usexmlfile
F textime                                  F usexmlfileonce
F thefirstcharacter                        F usezipfile
F theremainingcharacters                   F utfchar
F tochar                                   F utfmathclass
F transparencycomponents                   F utfmathcommand
F truefilename                             F utfmathcommandabove
F type                                     F utfmathcommandbelow
F typebuffer                               F utfmathcommandfiller
F typefile                                 F utfmathfiller
F uchar                                    F utfmathstretch
F uchexnumber                              F vboxlisttohbox
F uchexnumbers                             F verbose
F undefinechemical                         F vspacing
F unicodechar                              F vspacingcollapse
F unihex                                   F vspacingcollapseonly
F unit_normal                              F vspacingdefine
F unit_reverse                             F vspacingsetamount
F unloadlanguage                           F vspacingsnap
F upper                                    F way
F useMPlibrary                             F weekday
F useanyfile                               F weekdayname
F useanyfileonce                           F writestatus
F usecldfile                               F x_table_c
F usecldfileonce                           F x_table_cleanup
F usecolors                                F x_table_construct
F usecomponent                             F x_table_create
F useenvironment                           F x_table_finish_row
F usefigurebase                            F x_table_flush
```

F x_table_init_construct

F x_table_init_reflow_height

F x_table_init_reflow_height_option

F x_table_init_reflow_width

F x_table_init_reflow_width_option

F x_table_next_row

F x_table_next_row_option

F x_table_r

F x_table_reflow_height

F x_table_reflow_width

F x_table_set_construct

F x_table_set_reflow_height

F x_table_set_reflow_width

F xmladdindex

F xmlafterdocumentsetup

F xmlaftersetup

F xmlall

F xmlappenddocumentsetup

F xmlappendsetup

F xmlapplyselectors

F xmlatt

F xmlattdef

F xmlattribute

F xmlattributedef

F xmlbadinclusions

F xmlbeforedocumentsetup

F xmlbeforesetup

F xmlchainatt

F xmlchainattdef

F xmlchecknamespace

F xmlcommand

F xmlconcat

F xmlconcatrange

F xmlcontext

F xmlcount

F xmldelete

F xmldirect

F xmldirectives

F xmldirectivesafter

F xmldirectivesbefore

F xmldisplayverbatim

F xmldoif

F xmldoifelse

F xmldoifelseempty

F xmldoifelseselfempty

F xmldoifelsetext

F xmldoifempty

F xmldoifnot

F xmldoifnotempty

F xmldoifnotselfempty

F xmldoifnottext

F xmldoifselfempty

F xmldoiftext

F xmlelement

F xmlfilter

F xmlfilterlist

F xmlfirst

F xmlflush

F xmlflushcontext

F xmlflushdocumentsetups

F xmlflushlinewise

F xmlflushspacewise

F xmlfunction

F xmlgetindex

F xmlinclude

F xmlincludeoptions

F xmlinclusion

F xmlinclusions

F xmlindex

F xmlinfo

F xmlinlineverbatim

F xmlinstalldirective

F xmllast

F xmlload

F xmlloadbuffer

F xmlloaddata

F xmlloaddirectives

F xmlloadregistered

F xmlmain

F xmlmatch

F xmlname

F xmlnamespace

F xmlnonspace

F xmlpos

F xmlprependdocumentsetup

F xmlprependsetup

F xmlraw

F xmlrefatt

F	xmlregisterns		**setvariable**	function
F	xmlremapname		**showmessage**	function
F	xmlremapnamespace		**storedscanners**	data table
F	xmlremovedocumentsetup		**strings**	table
F	xmlremovesetup		**syntax**	data table
F	xmlresetdocumentsetups		**tolist**	function
F	xmlresetinjectors		**translations**	data table
F	xmlsave		**variables**	data table
F	xmlsetcommandtonone		**writestatus**	function
F	xmlsetcommandtotext			
F	xmlsetentity			
F	xmlsetinjectors			
F	xmlsetsetup			
F	xmlsnippet			
F	xmlstartraw			
F	xmlstarttiming			
F	xmlstopraw			
F	xmlstoptiming			
F	xmlstrip			
F	xmlstripanywhere			
F	xmlstripnolines			
F	xmlstripped			
F	xmlstrippednolines			
F	xmltag			
F	xmltexentity			
F	xmltext			
F	xmltobuffer			
F	xmltobufferverbose			
F	xmltofile			
F	xmltoparameters			
F	xmlverbatim			
F	xmlwithindex			
F	year			

setconstant	function
setcount	function
setdimen	function
setelement	function
setformat	function
setmacro	function
setmessage	function
setmessages	function
settranslation	function
setuserinterface	function
setvalidkeys	function

io (basic lua)

ask	function
bytes	function
characters	function
close	function
exists	function
fileseparator	string
flush	function
input	overloaded function
lines	overloaded function
loadchunk	function
loaddata	function
loadlines	function
noflines	function
open	overloaded function
output	overloaded 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

jit (context)

arch	string
attach	function
flush	function
off	function
on	function
opt	table
F start	
os	string
status	function
version	string
version_num	number

job (context)

comment	function
datasets	table
D collected	
F extend	
F getdata	
F setdata	
D tobesaved	
disablesave	function
fileobjreferences	table
D collected	
D tobesaved	
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		
F setregionbox		
D tobesaved		
F upperleft		
F upperright		
S used		
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 getchecksum		
F makechecksum		
F restore		
F save		
F setchecksum		
D tobesaved		
version	number	

lang (basic tex)

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

languages (context)

associate	function		F registerpattern	
associated	data table		F setfeatures	
association	function	**installed**	function	
counters	data table	**labels**	table	
current	function		F define	
data	data table		F split	
decimals	data table	**lefthyphenmin**	function	
define	function	**loadable**	function	
expand	function	**loadwords**	function	
expanders	table	**logger**	table	
frequencies	table		F report	
	F averagecharwidth	**numbers**	data table	
	F getdata	**postexhyphenchar**	function	
getdata	function	**posthyphenchar**	function	
getnumber	function	**preexhyphenchar**	function	
hyphenate	function	**prehyphenchar**	function	
hyphenators	table	**registered**	data table	
	T dictionaries	**replacements**	table	
	D featuresets		F add	
	F handler		F handler	
	T methods		F set	
	F expanded	**righthyphenmin**	function	
	B none	**serializediscretionary**	function	
	F original	**setexceptions**	function	
	F tex	**setsynonym**	function	
	F traditional	**showdiscretionaries**	function	
	B optimize	**unload**	function	
	F popmethod	**version**	number	
	F pushmethod	**visualizediscretionaries**	function	
	F setmethod	**words**	table	
	F setup		F check	
	F showhyphenationtrace		T data	
	T traditional		F disable	
	F definefeatures		F enable	
	F gettrace		T enablers	
	F hyphenate		B enables	
	F injecthyphens		F found	
	F installmethod		F load	
	F lasttrace		T methods	
	F loadpatterns		N threshold	
	F registerexception			

layouts (context)

status table
    F isleftpage
    F leftorrightpagection

lfs (extra lua)

attributes	overloaded function
chdir	overloaded function
currentdir	function
dir	overloaded function
isdir	overloaded function
isfile	overloaded function
lock	function
lock_dir	overloaded function
mkdir	overloaded function
mkdirs	function
readlink	overloaded function
rmdir	overloaded function
setmode	overloaded function
shortname	overloaded function
symlinkattributes	overloaded function
touch	overloaded 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		**stripcss**	function
convert	function		**tv**	function
convertfile	function		**type**	function
convertstring	function		**urlescape**	function
einject	function		**variable**	function
eprint	function		**variables**	table
escape	function		S color-background-blue	
finalized	function		S color-background-body	
finject	function		S color-background-green	
fprint	function		S color-background-main	
get	function		S color-background-purple	
getvariables	function		S color-background-yellow	
htmfile	function		S title-default	
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			
make	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			

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	**finalizedocument**	function
adddocumentcolorspace	function	**finalizepage**	function
adddocumentextgstate	function	**finishtransparencycode**	function
adddocumentpattern	function	**flushobject**	function
adddocumentshade	function	**flushstreamfileobject**	function
addtocatalog	function	**flushstreamobject**	function
addtoinfo	function	**formats**	data table
addtonames	function	**frompdfdoc**	function
addtopageattributes	function	**fromsixteen**	function
addtopageresources	function	**gethpos**	function
addtopagesattributes	function	**getmatrix**	function
addxmpinfo	function	**getpos**	function
annotationspecification	function	**getvpos**	function
array	function	**graycode**	function
boolean	function	**hasmatrix**	function
border	function	**id**	function
checkedkey	function	**injectxmpinfo**	function
checkedvalue	function	**insertxmpinfo**	function
circularshade	function	**layerreference**	function
cmykcode	function	**limited**	function
collectedresources	function	**linearshade**	function
color	function	**nametree**	function
colorspace	function	**null**	function
colorspaceconstants	data table	**number**	function
colorspec	function	**pagedestinations**	data table
colorvalue	function	**pagereference**	function
colorvalues	function	**pagereferences**	data table
constant	function	**pdfcolor**	function
delayedobject	function	**pdftimestamp**	function
destinationspecification	function	**protectresources**	boolean
dictionary	function	**rectangle**	function
docstring	function	**reference**	function
epdf	table	**registerannotation**	function
F contenttotext		**registerdestination**	function
F expand		**registerdocumentfinalizer**	function
F expanded		**registerpagefinalizer**	function
F getpagecontent		**reserveobject**	function
F getstructure		**rgbcode**	function
F load		**rotationcm**	function
F unload		**shareobject**	function
escaped	function	**shareobjectreference**	function

spotcode	function
stream	function
string	function
timestamp	function
toeight	function
topdfdoc	function
tosixteen	function
transform	function
transparency	function
transparencycode	function
transparencygroups	table
B none	
transparencyvalue	function
unicode	function
verbose	function

lpeg (basic lua)

B	function	**setmaxstack**	function
C	function	**split**	function
Carg	function	**splitat**	function
Cb	function	**splitter**	function
Cc	function	**stripper**	function
Cf	function	**times**	function
Cg	function	**tsplitat**	function
Cmt	function	**tsplitter**	function
Cp	function	**type**	function
Cs	function	**utfchartabletopattern**	function
Ct	function	**version**	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		
pcode	function		
print	function		
ptree	function		
replacer	function		
secondofsplit	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
get_functions_table	function
getbytecode	function
getluaname	function
lastbytecode	number
mask	string
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	**flush**	function
all	function	**flushlinewise**	function
applyfunction	function	**flushsetups**	function
applyselectors	function	**flushspacewise**	function
att	function	~~**get_id**~~	~~function~~
attribute	function	**getid**	function
badinclusions	function	**getindex**	function
chainattribute	function	**id**	function
checkindex	function	**idsplitter**	userdata
collected	function	**include**	function
command	function	**inclusion**	function
concat	function	**inclusions**	function
concatrange	function	**index**	function
content	function	**info**	function
context	function	**inlineverbatim**	function
convert	function	**installsetup**	function
count	function	**last**	function
delete	function	**load**	function
direct	function	**loadbuffer**	function
directives	table	**loaddata**	function
F after		**loaded**	table
F before		**loadregistered**	function
F handle		**main**	function
F load		**match**	function
F setup		**name**	function
displayverbatim	function	**namespace**	function
doif	function	**nonspace**	function
doifelse	function	**pos**	function
doifelseempty	function	**position**	function
doifelsetext	function	**raw**	function
doifempty	function	**rawroot**	function
doifnot	function	**refatt**	function
doifnotempty	function	**register**	function
doifnottext	function	**registerentity**	function
doiftext	function	**removesetup**	function
element	function	**resetcdata**	function
elements	function	**resetsetups**	function
entities	data table	**resolvedentity**	function
filter	function	**root**	function
filterlist	function	**save**	function
first	function	**serialize**	function

setaction	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setescapedentities	function
setsetup	function
snippet	function
sorters	table

   F add

   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
tobuffer	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
ceiling	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
log10	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	**renderings**	table
alphabets	data table	D mappings	
alternatives	data table	D numbers	
big	function	D sets	
boldmap	data table	**renderset**	function
categories	table	**resetattributes**	function
D functions		**resetitalics**	function
charactersets	data table	**scaleparameters**	function
checkaccentbaseheight	function	**setalternate**	function
checkprivateparameters	function	**setdomain**	function
classes	data table	**setitalics**	function
codes	data table	**sets**	data table
define	function	**styles**	data table
dimensions	function	**syncboth**	function
domains	table	**syncname**	function
extensiblecode	function	**syncstyle**	function
extensibles	data table	**toname**	function
extrabase	number	**tostyle**	function
extras	table	**tweakaftercopyingfont**	function
F add		**tweakbeforecopyingfont**	function
F copy		**tweaks**	table
fallbacks	table	**utfmathaccent**	function
F apply		**utfmathclass**	function
F install		**utfmathcommand**	function
fallbackstyleattr	function	**utfmathfiller**	function
families	data table	**utfmathstretch**	function
gaps	data table		
getboth	function		
getdomain	function		
getitalics	function		
getstyle	function		
horizontalcode	function		
initializeparameters	function		
injectfallbacks	function		
makefont	function		
mapremap	data table		
overloaddimensions	function		
overloadparameters	function		
privatebase	number		
registerdomain	function		
remapalphabets	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		**initializescriptrunner**	function
colorinitializer	function		**instance**	function
convert	function		**intermediate**	table
defaultformat	string		T actions	
defaultinstance	string		F makempy	
defaultmethod	string		**lastlog**	string
directrun	function		**load**	function
escaped	function		**makempy**	table
exectime	table		N nofconverted	
extensiondata	data table		F processgraphics	
filterclippath	function		F registerfile	
flush	function		**maketext**	function
flushers	table		**metafun**	table
T pdf			F interpolate	
F comment			F topath	
F flushfigure			**method**	number
F startfigure			**mptopdf**	table
F stopfigure			F convertmpstopdf	
F textfigure			N nofconverted	
flushliteral	function		**n**	number
flushnormalpath	function		**nvformat**	function
flushreset	function		**optimize**	boolean
fonts	table		**parse**	function
F define			**pdfliterals**	function
T flusher			**pluginactions**	function
F flushfigure			**process**	function
F startfigure			**processplugins**	function
F stopfigure			**processspecial**	function
N instances			**properties**	table
F process			**quickanddirty**	function
format	function		**reducetogray**	boolean
format_number	function		**reporterror**	function
format_string	function		**reset**	function
formatnumber	function		**resetlastlog**	function
getclippath	function		**resetplugins**	function
getextensions	function		**runscript**	function
getjobdata	function		**scripterror**	function
getstatistics	function		**setextensions**	function

setoutercolor	function
settext	function
showlog	boolean
svformat	function
tex	table

   F get

   F reset

   F set

   F setfrombuffer

texerrors	boolean
textextsdata	function
theclippath	function
totable	function
unload	function
untagvariable	function
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

mp (context)

BackSpace	function	**OverlayDepth**	function
BaseLineSkip	function	**OverlayHeight**	function
BodyFontSize	function	**OverlayLineWidth**	function
BottomDistance	function	**OverlayOffset**	function
BottomHeight	function	**OverlayWidth**	function
BottomSpace	function	**PageDepth**	function
CurrentColumn	function	**PageFraction**	function
CurrentHeight	function	**PageNumber**	function
CurrentWidth	function	**PageOffset**	function
CutSpace	function	**PaperBleed**	function
EmWidth	function	**PaperHeight**	function
ExHeight	function	**PaperWidth**	function
FooterDistance	function	**PrintPaperHeight**	function
FooterHeight	function	**PrintPaperWidth**	function
HSize	function	**RealPageNumber**	function
HeaderDistance	function	**RightEdgeDistance**	function
HeaderHeight	function	**RightEdgeWidth**	function
InPageBody	function	**RightMarginDistance**	function
InnerEdgeDistance	function	**RightMarginWidth**	function
InnerEdgeWidth	function	**SpineWidth**	function
InnerMarginDistance	function	**StrutDepth**	function
InnerMarginWidth	function	**StrutHeight**	function
LastPageNumber	function	**TextHeight**	function
LayoutColumnDistance	function	**TextWidth**	function
LayoutColumnWidth	function	**TopDistance**	function
LayoutColumns	function	**TopHeight**	function
LeftEdgeDistance	function	**TopSkip**	function
LeftEdgeWidth	function	**TopSpace**	function
LeftMarginDistance	function	**VSize**	function
LeftMarginWidth	function	**_f_**	function
LineHeight	function	**boolean**	function
MakeupHeight	function	**dataset**	function
MakeupWidth	function	**datasets**	table
NOfColumns	function	F load	
NOfPages	function	**defaultcolormodel**	function
OnOddPage	function	**format**	function
OnRightPage	function	**formatted**	function
OuterEdgeDistance	function	**get**	table
OuterEdgeWidth	function	F boolean	
OuterMarginDistance	function	F number	
OuterMarginWidth	function	F numeric	

F	string
get_outline_text	function
graphformat	function
n	function
numeric	function
pair	function
path	function
print	function
quadruple	function
quoted	function
report	function
size	function
triplet	function
tt_dimensions	function
tt_initialize	function

mplib (extra tex)

fields	function
finder	function
finders	table
F file	
get_boolean	function
get_number	function
get_numeric	function
get_string	function
new	overloaded function
pen_info	function
preprocessed	function
version	function

newtoken (basic tex)

create	function
get_next	function
is_token	function
scan_code	function
scan_dimen	function
scan_glue	function
scan_int	function
scan_keyword	function
scan_string	function
scan_token	function
scan_toks	function
scan_word	function
set_macro	function
type	function

noads (context)

handlers　　table
- F alternates
- F autofences
- F classes
- F collapse
- F domains
- F families
- F italics
- F relocate
- F render
- F resize
- F showtree
- F tags
- F unscript
- F variants

process　　function
processnested　function
processors　table
- T autofences
- T collapse
- F mlist_to_hlist
- T relocate
- T render
- T resize
- T unscript

processouter　function

node (basic tex)

copy	function		F is_node
copy_list	function		F last_node
count	function		F length
current_attr	function		F new
dimensions	function		F protect_glyphs
direct	table		F protrusion_skippable
F copy			F remove
F copy_list			F set_attribute
F count			F set_properties_mode
F current_attr			F setboth
F dimensions			F setbox
F do_ligature_n			F setchar
F effective_glue			F setdisc
F end_of_math			F setfield
F first_glyph			F setlink
F flush_list			F setnext
F flush_node			F setprev
F flush_properties_table			F setproperty
F free			F slide
F get_properties_table			F tail
F getboth			F todirect
F getbox			F tonode
F getchar			F tostring
F getdisc			F traverse
F getfield			F traverse_id
F getfont			F unprotect_glyphs
F getid			F unset_attribute
F getleader			F usedlist
F getlist			F vpack
F getnext			F write
F getprev			**do_ligature_n**	function
F getproperty			**effective_glue**	function
F getsubtype			**end_of_math**	function
F has_attribute			**family_font**	function
F has_field			**fields**	function
F has_glyph			**first_character**	function
F hpack			**first_glyph**	function
F insert_after			**flush_list**	function
F insert_before			**flush_node**	function
F is_char			**flush_properties_table**	function
F is_direct			**free**	function

get_properties_table	function	**usedlist**	function
getchar	function	**vpack**	function
getfield	function	**whatsits**	function
getfont	function	**write**	function
getid	function		
getleader	function		
getlist	function		
getnext	function		
getprev	function		
getproperty	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		
set_properties_mode	function		
setfield	function		
setproperty	function		
slide	function		
subtype	function		
tail	function		
tostring	function		
traverse	function		
traverse_id	function		
type	function		
types	function		
unprotect_glyphs	function		
unset_attribute	function		

nodes (context)

accentcodes	data table	**free**	function
aligned	function	**free_spec**	function
append	function	**getattr**	function
astable	function	**getattribute**	function
basepoints	function	**getbox**	function
builders	table	**getchar**	function
F buildpage_filter		**getfield**	function
F vpack_filter		**getfont**	function
codes	data table	**getid**	function
concat	function	**getleader**	function
copy	function	**getlist**	function
copy_list	function	**getnext**	function
copy_spec	function	**getprev**	function
count	function	**getskip**	function
current_attr	function	**getsubtype**	function
delete	function	**gluecodes**	data table
destinations	table	**glyphcodes**	data table
N attribute		**glyphdir_is_equal**	data table
T done		**glyphdir_is_opposite**	data table
F handler		**glyphdir_is_orthogonal**	data table
T stack		**handlers**	table
dimensionfields	data table	F accessibility	
dimensions	function	F alignbackgrounds	
dir_is_pop	data table	F backgrounds	
dir_negation	data table	F characters	
disccodes	data table	F checkforleaks	
discretionarycodes	data table	F checkglyphs	
do_ligature_n	function	F cleanupbox	
effective_glue	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

injections	table	**listcodes**	data table
F copy		**listtoutf**	function
F getligaindex		**load**	function
F handler		**locate**	function
F installnewkern		**margincodes**	data table
F keepcounts		**markers**	table
F reset		F get	
F resetcounts		**mathcodes**	data table
F setcursive		**maxboxwidth**	function
F setkern		**mlist_to_hlist**	function
F setligaindex		**nativedir**	boolean
F setmark		**new**	function
F setpair		**noadcodes**	data table
insert_after	function	**nodecodes**	data table
insert_before	function	**nopts**	function
insert_list_after	function	**nuts**	table
installattributehandler	function	F append	
is_direct	function	F concat	
is_display_math	function	F copy	
is_mirrored	data table	F copy_list	
is_node	function	F copy_properties	
is_nut	function	F count	
is_rotated	data table	F current_attr	
kerncodes	data table	F delete	
kerning	function	F dimensions	
keys	table	F do_ligature_n	
T whatsit		F effective_glue	
last_node	function	F end_of_math	
leftmarginwidth	function	F fasthpack	
ligaturing	function	F first_glyph	
lines	table	F firstcharacter	
T boxed		F firstcharinbox	
F register		F firstglyph	
F setup		F flush_list	
F stage_one		F flush_node	
F stage_two		F free	
D data		F getattr	
F finalize		F getattribute	
F number		F getboth	
N scratchbox		F getbox	
link	function	F getchar	
linked	function	F getdisc	
list	function	F getfield	
listablefields	data table	F getfont	

```
F getid                         F lineskip
F getleader                     F negatedglue
F getlist                       F noad
F getnext                       F pdfannotation
F getprev                       F pdfdestination
F getprop                       F pdfdirect
F getskip                       F pdfliteral
F getsubtype                    F pdfrestore
F has_attribute                 F pdfsave
F has_field                     F pdfsetmatrix
F has_glyph                     F penalty
F hpack                         F register
F insert_after                  F rightmarginkern
F insert_before                 F rightskip
F insert_list_after             F rule
F is_char                       F shrink
F is_direct                     F special
F is_display_math               F stretch
F is_node                       F temp
F is_nut                        F textdir
F kerning                       F usage
F last_node                     T userids
F leftmarginwidth                 N margins.inline
F ligaturing                      N property
F link                            N splitters.one
F linked                          N splitters.two
F locate                        F userlist
F mlist_to_hlist                F usernumber
F nestedtracedslide             F userstring
F new                           F usertokens
T pool                          F vlist
  F baselineskip                F zeroglue
  F cleanup                    F prepend
  F disc                       F protect_glyphs
  F fontkern                   F protrusion_skippable
  F glue                       F rawprop
  F gluespec                   F reference
  F glyph                      F remove
  F hlist                      F repackhlist
  F kern                       F replace
  F latelua                    F rightmarginwidth
  F lateluafunction            F set_attribute
  F leftmarginkern             F setattr
  F leftskip                   F setattribute
```

F setattributes	
F setboth	
F setbox	
F setchar	
F setdisc	
F setfield	
F setlink	
F setnext	
F setprev	
F setprop	
F setunsetattributes	
F setvisual	
F slide	
F somepenalty	
F somespace	
F tail	
F takebox	
F theprop	
F tonode	
F tonodes	
F tonut	
F tosequence	
F tostring	
F tracedslide	
F traverse	
F traverse_id	
T typesetters	
F fast_hpack	
F hpack	
F tohpack	
F tohpackfast	
F tonodes	
F tovpack	
F tovpackfast	
F vpack	
F unprotect_glyphs	
F unset_attribute	
F unsetattribute	
F unsetattributes	
F untracedslide	
F usedlist	
F vianodes	
F vianuts	
F vpack	

F writable_spec	
F write	
packlist	function
pardir_is_equal	data table
pardir_is_opposite	data table
pardir_is_parallel	data table
partextdir_is_equal	data table
penaltycodes	data table
plugindata	table
F finalizer	
F initializer	
S name	
T namespace	
N attribute	
D data	
F enable	
F handler	
F register	
D registered	
D values	
F processor	
points	function
pool	table
F baselineskip	
F cleanup	
F glyph	
F kern	
F latelua	
F lateluafunction	
F lineskip	
F pdfdirect	
F pdfliteral	
F pdfrestore	
F pdfsave	
F pdfsetmatrix	
F register	
F rule	
F special	
F usage	
F usernumber	
prepend	function
print	function
processors	table
B enabled	

F hpack_filter			F define	
F post_linebreak_filter			F enable	
F pre_linebreak_filter			F handler	
F tracer			**show**	function
processwords	function		**showboxes**	function
properties	table		**showcodes**	function
T actions			**showlist**	function
F delayed			**showsimplelist**	function
F fdelayed			**skipcodes**	data table
F immediate			**slide**	function
F attach			**snapshots**	table
T data			F getparameters	
F delayed			F getsamples	
protect_glyphs	function		F resetsamples	
protrusion_skippable	function		F takesample	
pts	function		**somepenalty**	function
reference	function		**somespace**	function
references	table		**stripdiscretionaries**	function
N attribute			**stripping**	table
T done			T glyphs	
F handler			F set	
T stack			**striprange**	function
remove	function		**tail**	function
repackhlist	function		**takebox**	function
replace	function		**tasks**	table
report	function		F actions	
rightmarginwidth	function		F appendaction	
rules	table		F disableaction	
D data			F disablegroup	
F define			F enableaction	
F enable			F enablegroup	
F handler			F freeze	
save	function		F freezegroup	
serialize	function		F new	
serializebox	function		F prependaction	
set_attribute	function		F removeaction	
setattr	function		F replaceaction	
setattribute	function		F restart	
setattributes	function		F setaction	
setbox	function		F showactions	
setfield	function		F table	
setunsetattributes	function		**textdir_is_equal**	data table
shifts	table		**textdir_is_is**	data table
D data			**textdir_is_opposite**	data table

textdir_is_parallel	data table		F start
tobasepoints	function		T steppers
tocentimeters	function		F check
tociceros	function		F codes
todidots	function		F features
todimen	function		F font
toinches	function		F glyphs
tomillimeters	function		F message
tonewciceros	function		F messages
tonewdidots	function		F nofsteps
tonode	function		F register
tonodes	function		F reset
tonut	function		F start
topicas	function		F stop
topoints	function		F stop
toscaledpoints	function		T transparencies
tosequence	function		F reset
tostring	function		F set
totable	function		F setlist
totree	function	**traverse**	function
toutf	function	**traverse_id**	function
tracers	table	**typesetters**	table
T characters			F hpack
F collect			F tohpack
F equal			F tohpackfast
F start			F tonodes
F string			F tovpack
F unicodes			F tovpackfast
T colors			F vpack
F reset		**unprotect_glyphs**	function
F set		**unset_attribute**	function
F setlist		**unsetattribute**	function
F fontchar		**unsetattributes**	function
T frequencies		**usedlist**	function
F register		**vianodes**	function
T pool		**vianuts**	function
T nodes		**visualizebox**	function
F rule		**visualizers**	table
T nuts			F box
F rule			F handler
F resetproperties			F markfonts
F rule			F setfont
F setlist			F setlayer
F setproperties			F setvisual

vpack	function
whatcodes	data table
whatsitcodes	data table
whatsitters	table

   T getters

     T dimensions

     T width

   T setters

     T dimensions

     T width

| **writable_spec** | function |
| **write** | function |

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		**type**	string
__setenv__	function		**uname**	function
binsuffix	string		**uuid**	function
binsuffixes	table		**validdate**	function
clock	function		**weekday**	function
converttime	function		**where**	function
date	function		**which**	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			
newline	string			
nofdays	function			
now	function			
platform	string			
remove	overloaded function			
rename	overloaded function			
resolvers	table			
F bits				
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			

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
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)

getcatalog	function
gethpos	function
getinfo	function
getmatrix	function
getnames	function
getpageattributes	function
getpageresources	function
getpagesattributes	function
getpos	function
gettrailer	function
getvpos	function
hasmatrix	function
immediateobj	function
mapfile	function
mapline	function
maxobjnum	function
obj	function
objtype	function
pageref	function
print	function
refobj	function
registerannot	overloaded function
reserveobj	function
setcatalog	overloaded function
setinfo	overloaded function
setnames	overloaded function
setpageattributes	overloaded function
setpageresources	overloaded function
setpagesattributes	overloaded function
settrailer	overloaded function

pdfscanner (context)

scan function

physics (context)

units table
    F registerunit
    D tables

profiler (extra lua)

pause   function
resume function
start   function
stop   function

publications (context)

addtexentry	function	S author	
analyze	function	T categories	
anywhere	function	T article	
authorcache	data table	S category	
authorcollapsers	data table	T extra	
authorhashers	table	T fields	
F invertedshort		S author	
F normal		S editor	
F normalinverted		S journal	
F normalshort		S keywords	
F short		S number	
authormap	data table	S pages	
authortoregister	function	S title	
casters	table	S volume	
F author		S year	
F keyword		T optional	
F pagenumber		T required	
F range		T sets	
checkeddataset	function	T author	
citevariants	table	T virtual	
F author		T book	
F authornum		S category	
F authoryear		T extra	
F authoryears		T fields	
F category		S address	
F default		S author	
F entry		S edition	
F index		S editor	
F keywords		S keywords	
F num		S number	
F page		S publisher	
F short		S subtitle	
F tag		S title	
F textnum		S volume	
F year		S year	
collected	data table	T optional	
components	table	T required	
F author		T sets	
concatstate	function	T author	
converttoxml	function	T editionset	
currentspecification	table	T virtual	

T demo-a		T virtualfields	
S category		B authornum	
T extra		B authoryear	
T fields		B authoryears	
S author		B num	
S institution		B suffix	
S organization		**datasets**	table
S subtitle		**detailed**	table
S title		**endnotes_to_btx**	function
S year		**enhancer**	table
T optional		S arguments	
T required		T askip	
T sets		B dirty	
T author		T gskip	
T virtual		T kind	
T demo-b		T list	
S category		T system	
T extra		T order	
T fields		**enhancers**	table
S author		F details	
S institution		F order	
S organization		F suffixes	
S subtitle		**finder**	function
S title		**firstofrange**	function
S year		**found**	function
T optional		**get**	function
T required		**getcasted**	function
T sets		**getdetail**	function
T authors		**getdirect**	function
T virtual		**getfaster**	function
S comment		**getfield**	function
S copyright		**getfuzzy**	function
T fields		**getindex**	function
S name		**inspectors**	data table
T types		**journals**	table
S author		F abbreviated	
S editor		F add	
S keywords		F expanded	
S number		F load	
S page		F save	
S pages		**lastofrange**	function
S volume		**lists**	table
S version		F collectentries	
D virtual		F combiinlist	

F	fetchentries		**okay**	function
F	filterall		**oneorrange**	function
F	flushcombi		**parenttag**	function
F	flushentry		**permitted**	function
T	methods		**refman_to_btx**	function
	F dataset		**resolvedname**	function
	F force		**save**	function
	F global		**search**	function
	F local		**setcategory**	function
F	nofregistered		**setspecification**	function
F	prepareentries		**singularorplural**	function
F	register		**sortedentries**	function
F	sameasprevious		**sortmethods**	table
T	sorters		T authoryear	
	F cite		T sequence	
	F dataset		**specifications**	table
	F default		T default	
	F index		S author	
	F list		S comment	
	F reference		S copyright	
	F short		S name	
	F used		S version	
	F uservariable		D virtual	
listvariants	table		**splitauthor**	function
	F default		**splitoneauthor**	function
	F index		**statistics**	table
	F num		N nofbytes	
	F page		N nofdatasets	
	F short		N nofdefinitions	
	F tag		N nofshortcuts	
load	function		**tables**	table
loadbibdata	function		D implicits	
loaddefinitionfile	function		D origins	
loaders	table		D privates	
	F bbl		D sets	
	F bib		D specials	
	F buffer		D types	
	F endnote		D virtuals	
	F lua		**tags**	function
	F refman		**tracers**	table
	F registercleaner		F showdatasetauthors	
	F xml		F showdatasetcompleteness	
loadreplacementfile	function		F showdatasetfields	
new	function		F showentry	

F showfields

F showhashedauthors

F showtables

F showvariants

typesetters	table
F author	
F string	
usedataset	function
usedentries	function
writers	table

F author

F keyword

F pagenumber

F range

regimes (context)

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

resolvers (context)

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

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

updatescript	function
uselibrary	function
usertypes	data table
usezipfile	function
validatedpath	function
variable	function
variableofformat	function
variableofformatorsuffix	function
wildcardpattern	function

sandbox (context)

binaryhandler	function
disablerunners	function
enable	function
filehandlerone	function
filehandlertwo	function
finalizer	function
initializer	function
iohandler	function
logcalls	function
logfiles	function
original	function
overload	function
possiblepath	function
redefine	function
register	function
registerbinary	function
registerroot	function
registerrunner	function
report	function
run	function
runhandler	function
setfilenamelogger	function
setlogger	function
setreporter	function
settrace	function
validfilename	function

scripts (context)

autofontfeature   table
    F disable
    F enable
    F handler
categorytonumber data table
colors   data table
decomposehangul   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
    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)

basicsorter   function
comparers   table
   F basic
constants   table
   S defaultdigits
   S defaultlanguage
   S defaultmethod
   N digitsmaximum
   N digitsoffset
   N ignoredoffset
   N replacementoffset
   T validmethods
    B ch
    B mc
    B mm
    B pc
    B pm
    B uc
    B zc
    B zm
definitions   data table
firstofsplit   function
packch   function
packuc   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
storedfunctions	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		**sub**	function
autosingle	function		**tformat**	function
booleanstring	function		**toHEX**	function
byte	function		**toboolean**	function
bytepairs	function		**tobytes**	function
bytes	function		**tocontext**	function
char	function		**todec**	function
characterpairs	function		**todimen**	function
characters	function		**tohex**	function
checkedsplit	function		**tonodes**	function
collapsespaces	function		**topattern**	function
count	function		**totable**	function
dump	function		**toutf**	function
escapedpattern	function		**tracedchar**	function
explode	function		**tracedchars**	table
find	function		**unquote**	function
format	function		**unquoted**	function
formatter	function		**upper**	function
formatters	function		**utfcharacters**	function
fullstrip	function		**utfvalues**	function
gmatch	function		**valid**	function
gsub	function			
is_boolean	function			
is_empty	function			
itself	function			
len	function			
limit	function			
longtostring	function			
lower	function			
match	function			
nspaces	table			
optionalquoted	function			
quote	function			
quoted	function			
rep	function			
replacenewlines	function			
reverse	function			
split	function			
splitlines	function			
splitup	function			
strip	function			

structures (context)

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

F define		F savedlistprefixednumber	
F getdata		F savedlisttitle	
F getlocation		D sectionblocks	
F getname		F sectionnumber	
F getnumber		F size	
F setlocation		F title	
F setup		D tobesaved	
D stored		F userdata	
itemgroups	table	F uservalue	
lists	table	**marks**	table
F addto		D data	
F analyze		F define	
B autoreorder		F exists	
D cached		F fetch	
D collected		F fetchallmarks	
F discard		F fetched	
F enhance		F fetchonemark	
T enhancers		F fetchtwomarks	
F filter		F get	
F formulanumber		F number	
F getresult		F relate	
F groupindex		F reset	
F hasnumberdata		F set	
F haspagedata		F show	
F hastitledata		F synchronize	
F iscached		F title	
D kinds		T tracers	
F label		F showtable	
F location		**notes**	table
D names		F checkpagechange	
F number		F define	
D ordered		F doifonsamepageasprevious	
F page		F get	
F popnesting		F getdeltapage	
F prefix		F getn	
F prefixednumber		F getnumberpage	
F prefixedpage		F getstate	
F process		F getsymbolpage	
D pushed		F hascontent	
F pushnesting		F internal	
F realpage		F internalid	
F reordered		F listindex	
T result		F ordered	
F savedlistnumber		F postpone	

F setreferencerealpage	F setmethod
D specials	F sort
F splitcomponent	F store
F splitprefix	D tobesaved
F splitreference	F unique
F synchronizepage	F userdata
T testrunners	**sections** table
F inner	F autodepth
F special	F cct
F special operation	D collected
F special operation with arguments	F current
T testspecials	F currentblock
F deltapage	F currentid
F i	F currentlevel
F internal	F currentsectionindex
F page	F depthnumber
F realpage	F finddata
F section	F findnumber
F userpage	F fullnumber
D tobereferred	F getcurrentlevel
D tobesaved	F getlevel
D tracedpages	F getnumber
T urls	F internalreference
T data	D levelmap
F define	D levels
F found	F load
F get	F matchingtilldepth
D usedinternals	F numberatdepth
D usedviews	F numbers
F valid	F popblock
registers table	F prefixedconverted
F analyze	F pushblock
D collected	F register
F compare	D registered
F define	F reportstructure
F enhance	F save
F extend	T sectionblockdata
F filter	T bodypart
F filtercollected	S bookmark
F finalize	F set
F flush	F setblock
F get	F setchecker
F prepare	F setentry
F process	F setinitialblock

F	setlevel	D	labels
F	setnumber	F	last
F	structuredata	F	lastinchain
F	title	F	locatedtag
D	tobesaved	T	patterns
F	typesetnumber	U	splitter
F	userdata	D	properties
B	verbose	F	registermetadata

sets table
F	define	F	restart
F	get	F	setaspect
F	getall	F	setattributehash
D	setlist	F	setcombination

specials table
D	collected	F	setfigure
F	retrieve	F	sethighlight
F	store	F	setitem
D	tobesaved	F	setitemgroup

synonyms table
F	analyzed	F	setlist
D	collected	F	setnotation
F	compare	F	setnotationsymbol
F	define	F	setproperty
F	filter	F	setregister
F	finalize	F	setsorting
F	flush	F	setsynonym
F	isshown	F	settablecell
F	isused	F	settabulatecell
F	meaning	F	settagdelimitedsymbol
F	prepare	F	settagsubsentencesymbol
F	process	F	setupexport
F	register	F	setuserproperties
F	registershown	D	specifications
F	registerused	F	start
F	resetshown	F	stop
F	resetused	F	strip
F	sort	D	taglist
F	synonym	T	usewithcare
D	tobesaved	T	images

tags table
F	elementtag
F	finishexport
F	getid
F	handler

table (basic lua)

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

tex (basic tex)

attribute	table	**isdefined**	function
badness	function	**isdimen**	function
box	table	**isskip**	function
catcode	table	**istoken**	function
conditionals	data table	**lccode**	table
constants	data table	**linebreak**	function
count	table	**lists**	table
ctdcatcodes	number	**lua_math_random**	function
ctxcatcodes	number	**lua_math_randomseed**	function
definefont	function	**luacatcodes**	number
delcode	table	**mathcode**	table
dimen	table	**modes**	data table
directives	data table	**nest**	table
enableprimitives	function	**nilcatcodes**	number
error	function	**normal_rand**	function
extraprimitives	function	**notcatcodes**	number
finish	function	**number**	function
fontidentifier	function	**pdffontname**	function
fontname	function	**pdffontobjnum**	function
fprint	function	**pdffontsize**	function
get	function	**pdfpageref**	function
getattribute	function	**pdfxformname**	function
getbox	function	**primitives**	function
getcatcode	function	**print**	function
getcount	function	**prtcatcodes**	number
getdelcode	function	**romannumeral**	function
getdimen	function	**round**	function
getlccode	function	**run**	function
getlist	function	**saveboxresource**	function
getmath	function	**scale**	function
getmathcode	function	**set**	function
getnest	function	**set_experimental_code**	function
getsfcode	function	**setattribute**	function
getskip	function	**setbox**	function
gettoks	function	**setcatcode**	function
getuccode	function	**setcount**	function
hashtokens	function	**setdelcode**	function
ifs	data table	**setdimen**	function
inicatcodes	number	**setlccode**	function
init_rand	function	**setlist**	function
iscount	function	**setmath**	function

setmathcode	function
setnest	function
setsfcode	function
setskip	function
settoks	function
setuccode	function
sfcode	table
shipout	function
show_context	function
skip	table
sp	function
sprint	function
systemmodes	data table
takebox	function
texcatcodes	number
toks	table
tpacatcodes	number
tpbcatcodes	number
tprint	function
trackers	data table
txtcatcodes	number
type	function
uccode	table
uniform_rand	function
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	overloaded 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	overloaded number

texio (basic tex)

write   function
write_nl function

tokens (context)

astable function

bgroup userdata

bits table

   N active

   N alignment

   N begingroup

   N character

   N close

   N comment

   N endgroup

   N endofline

   N escape

   N ignore

   N invalid

   N letter

   N mathshift

   N open

   N other

   N parameter

   N space

   N subscript

   N superscript

   N whitespace

collectors table

   T data

   F defaultwords

   F dowithwords

   F flush

   F install

   F register

   T registered

   F show

   F test

compile function

converters table

   S toboolean

   S todimen

   S toglue

   S tonumber

   S tostring

egroup userdata

getters table

   F box

   F count

   F dimen

   F token

hbox userdata

istoken function

letter function

letters function

other function

pickup function

printlist function

scanners table

   F boolean

   F code

   F conditional

   F count

   F dimen

   F dimension

   F glue

   F integer

   F keyword

   F list

   F lxmlid

   F number

   F scanclose

   F scanopen

   F skip

   F string

   F token

   F tokens

   F toks

   F word

scantable function

setters table

   F box

   F count

   F dimen

   F macro

shortcuts table

   T bits

N active	F lxmlid
N alignment	F number
N begingroup	F scanclose
N character	F scanopen
N close	F skip
N comment	F string
N endgroup	F token
N endofline	F tokens
N escape	F toks
N ignore	F word
N invalid	F scannumber
N letter	F scanopen
N mathshift	F scanstring
N open	F scanword
N other	F toboolean
N parameter	F todimen
N space	T tokens
N subscript	F astable
N superscript	U bgroup
N whitespace	T collectors
N close	F defaultwords
F inspect	F dowithwords
N open	F flush
F report	F install
F scanboolean	F register
F scanclose	F show
F scancode	F test
F scanconditional	F compile
F scandimen	T converters
F scandimension	S toboolean
F scaninteger	S todimen
F scankeyword	S toglue
F scanlist	S tonumber
T scanners	S tostring
F boolean	U egroup
F code	T getters
F conditional	F box
F count	F count
F dimen	F dimen
F dimension	F token
F glue	U hbox
F integer	F istoken
F keyword	F letter
F list	F letters

F other

    F pickup

    F printlist

    F scantable

  T setters

    F box

    F count

    F dimen

    F macro

  T shortcuts

    N close

    F inspect

    N open

    F report

    F scanboolean

    F scanclose

    F scancode

    F scanconditional

    F scandimen

    F scandimension

    F scaninteger

    F scankeyword

    F scanlist

    F scannumber

    F scanopen

    F scanstring

    F scanword

    F toboolean

    F todimen

    F tonumber

    F tostring

  U vbox

  U vtop

  F tonumber

  F tostring

vbox   userdata

vtop   userdata

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
reset	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
   T methods
   F replacenbsp
   F replacenbspaces

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 addanchortoline
   F addtoline
   F calculatedelta
   F checkline
   F handler
   F moveinline
   F normalize
   F set

injectors   table
   F check
   T list
   F mark
   F reset
   F set
   F show

italics   table
   F forcevariant
   F handler
   F reset
   F set

kerns   table
   D factors
   F handler
   F keepligature

B	keeptogether		**spacings**	table
D	mapping		F	define
F	set		F	handler
manipulators	table		D	mapping
F	apply		T	numbers
F	applyspecification		T	frenchpunctuation
T	methods		T	characters
F	Word		S	name
F	Words		N	number
F	abbreviatedjournal		F	reset
F	expandedjournal		F	set
F	lowercase		F	setup
F	stripperiod		**wrappers**	table
F	uppercase		F	handler
T	patterns		**xtables**	table
U	list		F	cleanup
U	pair		F	construct
F	splitspecification		F	create
margins	table		F	finish_row
F	finalhandler		F	flush
F	globalhandler		F	initialize_construct
F	ha		F	initialize_reflow_height
F	localhandler		F	initialize_reflow_width
F	save		F	next_row
marksuspects	function		F	reflow_height
paragraphs	table		F	reflow_width
F	addanchortoline		F	set_construct
F	addtoline		F	set_reflow_height
F	calculatedelta		F	set_reflow_width
F	checkline			
F	handler			
F	moveinline			
F	normalize			
F	set			
processors	table			
F	apply			
F	register			
F	reset			
F	split			
F	startapply			
F	stopapply			
F	stripped			
F	tostring			
showsuspects	function			

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 chrlen
- 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_be
F utf16_to_utf8_be_t
F utf16_to_utf8_le
F utf16_to_utf8_le_t
F utf16_to_utf8_t
F utf32_to_utf8_be
F utf32_to_utf8_be_t
F utf32_to_utf8_le
F utf32_to_utf8_le_t
F utf32_to_utf8_t
F utf8_to_utf16
F utf8_to_utf16_be
F utf8_to_utf16_le
F utf8_to_utf8_t
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	
F showtraceback	
files	table
F close	
F getposition	
F look	
F open	
F read2dot14	
F readbyte	
F readbytes	
F readcardinal	
F readcardinal1	
F readcardinal2	
F readcardinal3	
F readcardinal4	
F readchar	
F readfixed4	
F readinteger	
F readinteger1	
F readinteger2	
F readinteger4	
F readstring	
F readtag	
F setposition	
F size	
F skip	
F skiplong	
F skipshort	
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 groupedsplitat	
F hash_to_string	
F iterator	
F keq_to_hash	
F listitem	
F make_settings_to_hash_pattern	
F mergehashes	
F options_to_array	

F collapsecrlf

    T formatters

      F add

      F new

    F newrepeater

    F nice

    T striplinepatterns

      U collapse

      U prune

      U prune and collapse

      U prune and no empty

      U retain

      U retain and collapse

      U retain and no empty

    F striplines

    F striplong

    F tabtospace

    T tracers

tables   table

    F accesstable

    F definedtable

    F definetable

    F encapsulate

    F insertaftervalue

    F insertbeforevalue

    F migratetable

    F removevalue

    F replacevalue

templates   table

    F load

    F replace

    F replacer

    F resolve

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
getspecification	function
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 string	
after	function	D tex	
all	function	D texline	
applylpath	function	D texspace	
assign	function	D verbose	
attribute	function	**defaultprotocol**	string
badinclusions	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 idstring	
~~collect_texts~~	~~function~~	F lower	
collected	function	F name	
collecttexts	function	F number	
content	function	F oneof	
convert	function	F print	
copy	function	F quit	
count	function	F tag	
cprint	function	F text	
css	table	F undefined	
F colorspecification		F upper	
F dimension		**fillin**	function
F fontspecification		**filter**	function
F padding		**finalizers**	table
defaulthandlers	table	F paragraphs	
D file		T tex	
D parsedxml		F all	

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

include	function
inclusion	function
inclusions	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
insertcdata	function
insertcomment	function
inspect	function
is_valid	function
kind	function
last	function
load	function
lpath	function
lpathcached	function
lpathcalls	function
lshow	function

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

zip (extra lua)

archives	table
close	function
closearchive	function
open	overloaded 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