MP attributes backends bit32 blobs boolean
buffers builders caches callback callbacks
catcodes characters chemistry commands
containers context converters coroutine
ctxrunner debug dir dircodes directives
document documentdata drivers environment
experiments ffi figures file fio floats font
fonts functions global graphics gzip images
img interactions interfaces io job lang
languages layouts lfs libraries lmx logs lpdf
lpeg ltn12 lua luatex lxml math mathematics
md5 metapost mime moduledata modules mp mplib
noads node nodes number objects os package
pagebuilders parametersets pdf pdfe pdfscanner
physics publications regimes resolvers sandbox
scripts set sha2 sio socket sorters statistics
status storage streams string structures table
tex texconditionals texconfig texconstants
texifs texio texisdefined texmodes
texsystemmodes thirddata token tokens tracers
trackers typesetters updaters url userdata
utf8 utilities vf visualizers xml zip zlib

ConTeXt MkIV

global (alias: _G)

CONTEXTLMTXMODE	number	**directives**	table
FFISUPPORTED	function	**document**	table
INITEXMODE	boolean	**documentdata**	table
LUAMAJORVERSION	number	**dofile**	function
LUAMINORVERSION	number	**drivers**	table
LUATEXCOREVERSION	number	**environment**	table
LUATEXENGINE	string	**error**	function
LUATEXFORMATID	number	**experiments**	table
LUATEXFUNCTIONALITY	number	**ffi**	table
LUATEXVERSION	number	**ffilib**	function
LUAVERSION	number	**figures**	table
MP	function	**file**	table
anywhere	function	**fio**	table
arg	table	**floats**	table
assert	function	**font**	table
attributes	table	**fonts**	table
backends	table	**frozen**	boolean
bit32	table	**functions**	table
blobs	table	**getmetatable**	function
blockrequire	function	**global**	table
boolean	table	**grammar_parsed_text_one_nop**	userdata
buffers	table	**grammar_parsed_text_one_yes**	userdata
builders	table	**grammar_parsed_text_two_nop**	userdata
caches	table	**grammar_parsed_text_two_yes**	userdata
callback	table	**grammar_unparsed_text_nop**	userdata
callbacks	table	**grammar_unparsed_text_yes**	userdata
catcodes	table	**graphics**	table
characters	table	**gregorian_to_jalali**	function
checkimage	function	**gzip**	table
chemistry	table	**images**	table
collectgarbage	function	**img**	table
commands	table	**inspect**	function
containers	table	**interactions**	table
context	function	**interfaces**	table
converters	table	**io**	table
coroutine	table	**ipairs**	function
ctxrunner	table	**jalali_to_gregorian**	function
debug	table	**job**	table
dimen	function	**lang**	table
dir	table	**languages**	table
dircodes	data table	**layouts**	table

lfs	table	**rawlen**	function
libraries	table	**rawset**	function
lmx	table	**readarray**	function
load	function	**regimes**	table
loadfile	function	**require**	function
loadstring	function	**required**	function
logs	table	**requireswiglib**	function
lpdf	table	**resolvers**	table
lpeg	table	**ruledspace**	function
ltn12	table	**sandbox**	table
lua	table	**scripts**	table
luatex	table	**select**	function
lxml	table	**set**	table
math	table	**setinspector**	function
mathematics	table	**setmetatable**	function
md5	table	**sha2**	table
metapost	table	**sio**	table
mime	table	**socket**	table
module	function	**sorters**	table
moduledata	table	**statistics**	table
modules	table	**status**	table
mp	function	**storage**	table
mplib	table	**streams**	table
next	function	**string**	table
noads	table	**structures**	table
node	table	**swiglib**	function
nodes	table	**table**	table
number	table	**tex**	table
objects	table	**texconditionals**	data table
optionalrequire	function	**texconfig**	table
os	table	**texconstants**	data table
package	table	**texifs**	data table
pagebuilders	table	**texio**	table
pairs	function	**texisdefined**	data table
parametersets	table	**texmodes**	data table
pcall	function	**texsystemmodes**	data table
pdf	table	**thirddata**	table
pdfe	table	**toboolean**	function
pdfscanner	table	**token**	table
physics	table	**tokens**	table
print	function	**tonumber**	function
publications	table	**tostring**	function
rawequal	function	**tracers**	table
rawget	function	**trackers**	table

type	function	**utilities**	table
typesetters	table	**v**	string
unpack	function	**vf**	table
updaters	table	**visualizers**	table
url	table	**xml**	table
userdata	table	**xpcall**	function
utf	table	**zip**	table
utf8	table	**zlib**	table

attributes (context)

applyoverloads function
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
    D counts
    B couple
    F currentmodel
    F currentnamedmodel
    D data
    N default
    F defineintermediatecolor
    F definemultitonecolor
    F defineprocesscolor
    F definesimplegray
    F definespotcolor
    F definetransparency
    F enable
    F filter
    N forced
    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
    F namedcolorattributes
    N 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 toattributes
    F transparencycomponents
    B triggering
    F usecolors
    D valid
    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	
markasoverload		function	
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	
tooverloads		function	
transparencies		table	
	N	attribute	
	D	data	
	F	enable	
	F	forcesupport	
	F	handler	
	T	names	
		N color	
		N colorburn	

N	colordodge	
N	darken	
N	difference	
N	exclusion	
N	hardlight	
N	hue	
N	lighten	
N	luminosity	
N	multiply	
N	none	
N	normal	
N	overlay	
N	saturation	
N	screen	
N	softlight	
N	none	
F	register	
D	registered	
B	supported	
F	toattribute	
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   D values

B supported

backends (context)

codeinjections table
    F boxresourcedimensions
    F registerboxresource
    F restoreboxresource
current string
defaults table
    T codeinjections
      F getpagedimensions
      F lmtxmode
      F setpagedimensions
    T nodeinjections
    T registrations
    D tables
included table
    B context
    B date
    B id
    B metadata
    B pdf
install function
nodeinjections table
noflatelua function
nothing function
pdf table
    T codeinjections
      F addbookmarks
      F analyzenormalsymbol
      F analyzesymbol
      F attachmentid
      F clonefield
      F copyimage
      F definefield
      F definefieldset
      F defineviewerlayer
      F embedfile
      F embedimage
      F enabletags
      F exportformdata
      F fieldsurrounding
      F flushmergelayer
      F getbookmarks

      F getdefaultfieldvalue
      F getfieldcategory
      F getfieldset
      F getformatoption
      F getinfo
      F getpreviewfigure
      F insertrenderingwindow
      F mergebookmarks
      F mergecomments
      F mergefields
      F mergereferences
      F mergeviewerlayers
      F newimage
      F prerollreference
      F presetsymbol
      F presetsymbollist
      F processrendering
      F registerdocumentcloseaction
      F registerdocumentopenaction
      F registeredsymbol
      F registerpagecloseaction
      F registerpageopenaction
      F registersymbol
      F scanimage
      F setfieldcalculationset
      F setfigurealternative
      F setfigurecolorspace
      F setfiguremask
      F setformat
      F setformsmethod
      F setpagetransition
      F setupcanvas
      F setupidentity
      F setxmpfile
      F startlayer
      F startunicodetoactualtext
      F startunicodetoactualtextdirect
      F stoplayer
      F stopunicodetoactualtext
      F stopunicodetoactualtextdirect
      F supportedformats

F unicodetoactualtext
F useviewerlayer
F validfield
F validfieldcategory
F validfieldset
F wrapimage
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
timestamp   function

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext function
tonumber   function

buffers (context)

append	function	F	define
assign	function	F	hassomecontent
collectcontent	function	F	next
erase	function	F	place
exists	function	F	reset
get	function	F	save
getcontent	function	**prepend**	function
getlines	function	**raw**	function
gettexbuffer	function	**run**	function
loadcontent	function	**samplefile**	function
parallel	table	**undent**	function

builders (context)

checksidefloat function
kernel   table
- F hyphenating
- F hyphenation
- F kerning
- F ligaturing
- F mlist_to_hlist

paragraphs   table
- T constructors
  - N attribute
  - F define
  - F disable
  - F enable
  - F handler
  - T methods
    - F 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 forcepageflush
- F forcestrutdepth
- F getnofpreviouslines
- F pagehandler
- F pageoverflow
- F popatsame
- F pushatsame
- F setmap
- F setskip
- F snapbox
- F synchronizepage
- F tocategories
- F tocategory
- F vboxhandler

caches (context)

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

callback (basic tex)

find   function   **register** overloaded function
list   function

callbacks (context)

freeze	function
functions	table
F	process_rule
F	start_page_number
F	stop_page_number
known	function
list	data table
pop	function
push	function
register	function
report	function
supported	table

B append_to_vlist_filter
B build_page_insert
B buildpage_filter
B call_edit
B contribute_filter
B define_font
B find_cidmap_file
B find_data_file
B find_enc_file
B find_font_file
B find_format_file
B find_image_file
B find_map_file
B find_opentype_file
B find_output_file
B find_pk_file
B find_read_file
B find_truetype_file
B find_type1_file
B find_vf_file
B find_write_file
B finish_pdffile
B finish_pdfpage
B finish_synctex
B font_descriptor_objnum_provider
B glyph_not_found
B glyph_stream_provider
B hpack_filter
B hpack_quality

B hyphenate
B insert_local_par
B kerning
B ligaturing
B linebreak_filter
B make_extensible
B mlist_to_hlist
B new_graf
B open_read_file
B page_objnum_provider
B post_linebreak_filter
B pre_dump
B pre_linebreak_filter
B pre_output_filter
B process_input_buffer
B process_jobname
B process_output_buffer
B process_pdf_image_content
B process_rule
B read_cidmap_file
B read_data_file
B read_enc_file
B read_font_file
B read_map_file
B read_opentype_file
B read_pk_file
B read_truetype_file
B read_type1_file
B read_vf_file
B show_error_hook
B show_error_message
B show_lua_error_hook
B show_warning_message
B start_file
B start_page_number
B start_run
B stop_file
B stop_page_number
B stop_run
B vpack_filter
B vpack_quality

B wrapup_run

catcodes (context)

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

characters (context)

activeoffset	number	T anudatta	
adobename	function	T before_half	
bidi	data table	T before_main	
blockrange	function	T before_postscript	
blocks	data table	T before_subscript	
casemap	table	T below_mark	
categories	data table	T consonant	
category	function	T dependent_vowel	
categorytags	data table	T halant	
classifiers	table	T independent_vowel	
collapsed	data table	T nukta	
contextname	function	T post_mark	
csletters	data table	T pre_mark	
data	data table	T ra	
decomposed	data table	T stress_tone_mark	
description	function	T twopart_mark	
descriptions	data table	T vowel_modifier	
detailtags	data table	**initialize**	function
directions	table	**is_character**	data table
emoji	table	**is_command**	data table
F compact		**is_letter**	data table
F known		**is_mark**	data table
F resolve		**is_punctuation**	data table
emojized	function	**is_spacing**	data table
enccodes	data table	**is_symbol**	data table
entities	data table	**lcchars**	data table
fallbacks	data table	**lccode**	function
filters	data table	**lccodes**	data table
fractions	table	**lettered**	function
fromnumber	function	**lhash**	data table
fschars	data table	**linebreaks**	data table
fscodes	data table	**lower**	function
getrange	function	**mathlists**	data table
graphemes	data table	**mirrors**	table
hangul	data table	**otfscripts**	data table
indicgroups	table	**private**	table
T above_mark		**ranges**	data table
T after_half		**registerentities**	function
T after_main		**remap_hangul_syllabe**	function
T after_postscript		**setactivecatcodes**	function
T after_subscript		**setlettercatcodes**	function

shape	function		D accentmapping
shaped	function		D commandmapping
shash	data table		F defineaccents
shchars	data table		F safechar
shcodes	data table		F toutf
showstring	function		F toutfpattern
specialchars	data table	**textclasses**	table
specials	data table	**tonumber**	function
splits	table	**ucchars**	data table
T char		**uccode**	function
T compat		**uccodes**	data table
subscripts	table	**uhash**	data table
superscripts	table	**unicodechar**	function
synonyms	data table	**upper**	function
tex	table		

chemistry (context)

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

containers (context)

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

converters (context)

A	function	**cn-c**	function
A:es	function	**convert**	function
A:ru	function	**decimals**	function
A:sl	function	**define**	function
AK	function	**helpers**	table
Alphabetic	function	**hexstringtonumber**	function
Alphabetic:es	function	**hour**	function
Alphabetic:ru	function	**i**	function
Alphabetic:sl	function	**isleapyear**	function
Character	function	**lchexnumber**	function
Characters	function	**lchexnumbers**	function
I	function	**leapyear**	function
KA	function	**lower**	function
KR	function	**max**	function
R	function	**maxchrs**	function
RK	function	**minute**	function
Romannumerals	function	**month**	function
Russiannumerals	function	**nicenumber**	function
Sloveniannumerals	function	**nofdays**	function
Spanishnumerals	function	**number**	function
Word	function	**numbers**	function
Words	function	**octnumber**	function
a	function	**octstringtonumber**	function
a:es	function	**ordinal**	function
a:ru	function	**r**	function
a:sl	function	**rawcharacter**	function
abjadnodotnumerals	function	**romannumerals**	function
abjadnumerals	function	**russiannumerals**	function
alphabetic	function	**second**	function
alphabetic:es	function	**sequences**	data table
alphabetic:ru	function	**settime**	function
alphabetic:sl	function	**sloveniannumerals**	function
character	function	**spaceddigits**	function
characters	function	**spanishnumerals**	function
chineseallnumerals	function	**textime**	function
chinesecapnumerals	function	**toabjad**	function
chinesenumerals	function	**tochinese**	function
chr	function	**toroman**	function
chrs	function	**totime**	function
cn	function	**uchexnumber**	function
cn-a	function	**uchexnumbers**	function

upper	function	**weekday**	function
verbose	table	**word**	function
D data		**words**	function
F translate		**year**	function

coroutine (basic lua)

create	function	**status**	function
isyieldable	function	**wrap**	function
resume	function	**yield**	function
running	function		

ctxrunner (context)

load	function	**prepfiles**	data table
preparedfile	function	**resolve**	function

dir (context)

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

directives (context)

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

document (context)

arguments	data table		
files	table		
functions	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

documentdata (context)

variable function

drivers (context)

convert   function
enable   function
helpers   table
   F tomatrix
install   function
instances   table
  T default
   T actions
    F convert
    F outputfilename
   T flushers

   S name
  T pdf
   T actions
    F convert
    F outputfilename
    F prepare
   T flushers
   S name
lmtxversion   number
outputfilename   function

environment (context)

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

experiments (context)

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

figures (context)

applyratio	function	
badname	function	
bases	data table	
bitmapimage	function	
boxnumber	number	
cachepaths	data table	
check	function	
checkers	data table	
converters	data table	
current	function	
defaultdepth	number	
defaultheight	number	
defaultsearch	boolean	
defaultwidth	number	
done	function	
dummy	function	
existers	data table	
exists	function	
formats	data table	
found	data table	
get	function	
getinfo	function	
getpdfinfo	function	
getrealpage	function	
guess	function	
guessfromstring	function	
hash	function	
identifiers	data table	
identify	function	
images	table	

   F check
   F checksize
   F copy
   F create
   F embed
   T keys
   F print
   F scan
   F serialize
   T sizes
    B art

   B bleed
   B crop
   B media
   B none
   B trim
   F totable
   T types
   N jbig2
   N jp2
   N jpg
   N memstream
   N none
   N pdf
   N png
   N stream
   F wrap

include	function
includers	data table
initialize	function
loaded	data table
localpaths	data table
magics	data table
mergegoodies	function
nofmissing	number
nofprocessed	number
order	data table
paths	data table
patterns	data table
pop	function
preferquality	boolean
programs	data table
push	function
registerpattern	function
registerresource	function
registersuffix	function
resources	data table
scale	function
set	function
setlookups	function
setmemstream	function
setorder	function

| **setpaths** | function | **used** | data table |
| **suffixes** | data table | | |

file (basic lua)

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

fio (extra lua)

checkpermission	function	**readfixed4**	function
getposition	function	**readinteger1**	function
read2dot14	function	**readinteger2**	function
readbytes	function	**readinteger3**	function
readbytetable	function	**readinteger4**	function
readcardinal1	function	**readintegertable**	function
readcardinal2	function	**readline**	function
readcardinal3	function	**recordfilename**	function
readcardinal4	function	**setposition**	function
readcardinaltable	function	**skipposition**	function
readfixed2	function		

floats (context)

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

font (basic tex)

addcharacters	function		**id**	function
current	function		**max**	function
define	function		**nextid**	function
each	overloaded function		**originaleach**	function
fonts	table		**read_tfm**	function
frozen	function		**read_vf**	function
getfont	overloaded function		**setexpansion**	function
getparameters	function		**setfont**	function

fonts (context)

analyzers   table
- D features
- D initializers
- D methods
- F setstate
- D states
- 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 addcharacters
- F addcoreunicodes
- B addtounicode
- F aftercopyingcharacters
- F applymanipulators
- F assignmathparameters
- B autocleanup
- F beforecopyingcharacters
- D cache
- B cacheintex
- F calculatescale
- F checkedfeatures
- F checkedfilename
- F cleanuptable

- F collectprocessors
- F currentfonthasfeature
- D designsizes
- D dontembed
- F enhanceparameters
- T enhancers
  - T afm
    - F apply
    - F patch
    - T patches
      - F register
      - F report
    - F register
    - F report
  - T otf
    - F addfeature
    - F apply
    - F enhance
    - F patch
    - T patches
      - F register
      - F report
    - F register
    - F report
  - T tfm
    - F apply
    - F patch
    - T patches
      - F register
      - F report
    - F register
    - F report
- N factor
- T features
  - D afm
  - D otf
  - D tfm
- F finalize
- F getfeatureaction
- F getmathparameter
- F getprivate

```
T handlers                                      F featuresprocessor
  T afm                                         F getactualtext
    B autoprefixed                              F getalternate
    D cache                                     F getgsub
    D features                                  F getkern
    F getkern                                   F getmultiple
    T helpdata                                  F getstreamhash
      D bothkerned                              F getsubstitution
      D leftkerned                            T handlers
      D ligatures                               F devanagari_remove_joiners
      D rightkerned                             F devanagari_reorder_matras
      D texligatures                            F devanagari_reorder_pre_base_reordering_consonants
    F load                                      F devanagari_reorder_reph
    T readers                                   F gpos_context
      F getinfo                                 F gpos_contextchain
      F loadfont                                F gpos_cursive
      F loadshapes                              F gpos_mark2base
    F setfeatures                               F gpos_mark2ligature
    B syncspace                                 F gpos_mark2mark
    N version                                   F gpos_pair
  T otf                                         F gpos_single
    F addfeature                                F gsub_alternate
    F basemodeinitializer                       F gsub_context
    D cache                                     F gsub_contextchain
    F collectlookups                            F gsub_ligature
    T coverup                                   F gsub_multiple
      T actions                                 F gsub_reversecontextchain
        F alternate                             F gsub_single
        F chainposition                         F trigger_space_kerns
        F chainsubstitution                   T helpers
        F kern                                  F blockligatures
        F ligature                              F pardirstate
        F multiple                              F txtdirstate
        F pair                                F load
        F single                             F loadoutlinedata
        F substitution                       F loadstreamdata
      F register                              F modeinitializer
      S stepkey                               D pdfcache
    F dataset                                 F plugininitializer
    F datasetpositionprocessor                F pluginprocessor
    S defaultbasealternate                  T plugins
    S defaultnodealternate                  T png
    D features                                F topdf
    F featuresinitializer                   D pngcache
```

```
B pngenabled                              F reversechainedcontextsingle
T readers                                 F single
  F addunicodetable                       F gvar
  F avar                                  F head
  F cbdt                                  T helpers
  F cblc                                    F axistofactors
  F cff                                     F cleanname
  F cff2                                    F getaxisscale
  F cffcheck                                F getfactors
  T cffencoder                              F getscales
  F checkhash                               F gotodatatable
  F cmap                                    F normalizedaxis
  F colr                                    T normalizedaxishash
  F compact                                 F readvariationdata
  F cpal                                    F reportskippedtable
  F ebdt                                    F setvariabledata
  F eblc                                  F hhea
  F ebsc                                  F hmtx
  F expand                                F hvar
  F extend                                F kern
  F fvar                                  F loadfont
  F gdef                                  F loadshapes
  F getcomponents                         F loca
  F getinfo                               F math
  F glyf                                  F maxp
  F gpos                                  F mvar
  T gposhandlers                          F name
    F chainedcontext                      F os/2
    F context                             F pack
    F cursive                             F parsecharstrings
    F extension                           F post
    F marktobase                          F registerextender
    F marktoligature                      F rehash
    F marktomark                          F sbix
    F pair                                F stat
    F single                            T streamreader
  F gsub                                   F close
  T gsubhandlers                           F getposition
    F alternate                            F getsize
    F chainedcontext                       F look
    F context                              F open
    F extension                            F read2dot14
    F ligature                             F readbyte
    F multiple                             F readbytes
```

```
F readbytetable                              F vorg
F readcardinal                               F vvar
F readcardinal1                              F woff2otf
F readcardinal2                           F registerpalette
F readcardinal2le                         F registerplugin
F readcardinal3                           F reorderlookups
F readcardinal3le                         F scriptandlanguage
F readcardinal4                           F setdynamics
F readcardinal4le                         F setfeatures
F readcardinaltable                       T statistics
F readchar                                   D usedfeatures
F readfixed2                              F storepdfdata
F readfixed4                              T svg
F readinteger                                F filterglyph
F readinteger1                               F topdf
F readinteger2                            D svgcache
F readinteger2le                          B svgenabled
F readinteger3                            T tables
F readinteger3le                             D baselines
F readinteger4                               D features
F readinteger4le                             D featuretypes
F readintegertable                           D languages
F readsignedbyte                             D scripts
F readstring                                 N version
F readtag                                 T pfb
F setposition                                F loadvector
F size                                    T tfm
F skip                                       D cache
F skiplong                                   D features
F skipposition                               N maxnestingdepth
F skipshort                                  N maxnestingsize
F writebyte                                  T readers
F writecardinal2                                F loadpk
F writecardinal2le                              F loadtfm
F writecardinal4                                F loadtfmvf
F writecardinal4le                              F loadvf
F writestring                                   F pktopdf
F stripredundant                                F showpk
F svg                                        F reencode
N tableversion                               F setfeatures
F unifymissing                               N version
F unpack                                  T vf
F vhea                                       T combinations
F vmtx                                       F combine
```

```
  T combiner                              S units
    D commands                            S vfactor
  D helpers                               S width
  D math                                  S xheight
  D predefined                          T properties
  N version                               S autoitalicamount
  D whatever                              S cidinfo
F hashfeatures                            T effect
F hashinstance                              S ddelta
T hashmethods                               S effect
  F normal                                  S factor
  F virtual                                 S hdelta
F initializefeatures                        S hfactor
T keys                                      S vfactor
  T characters                              S wdelta
  T descriptions                            S width
  T parameters                            S embedding
    S ascender                            S encodingbytes
    S descender                           S filename
    S designsize                          S finalized
    T expansion                           S fontname
      S auto                              S format
      S shrink                            S fullname
      S step                              S hasitalics
      S stretch                           S hasmath
    S extendfactor                        S mathitalics
    S factor                              S mode
    S hfactor                             S name
    S mathsize                            S nostackmath
    S mode                                S psname
    T protrusion                          S textitalics
      S auto                              S virtualized
    S quad                              D loadedfonts
    S scaledpoints                      S namemode
    S scriptpercentage                  N noffontsloaded
    S scriptscriptpercentage            N nofsharedfonts
    S size                              N nofsharedhashes
    S slantfactor                       N nofsharedvectors
    S slantperpoint                     N privateoffset
    T spacing                           D privateslots
      S extra                           F readanddefine
      S shrink                          F registerfeature
      S stretch                         F resetfeature
      S width                           B resolvevirtualtoo
```

	F scale		D unicodes	
	F scaled		D cache	
	F setfactor		F is_known	
	F setfeature		D known	
	F setmathparameter		F load	
	F setname		F make_unicode_vector	
	B sharefonts		D math	
	F trytosharefont		N version	

	F scale	

enhanceid function
expansions data table
formats data table
getalternate function
getkern function
getmultiple function
getsubstitution function
getters table

current function
currentid function
definers table
    F addlookup
    F analyze
    F applypostprocessors
    F checkedmode
    F checkedscript
    F current
    S defaultlookup
    F define
    F getspecification
    F internal
    F loadfont
    F makespecification
    T methods
      F install
      D variants
    F read
    F register
    F registered
    F registersplit
    F resetnullfont
    F resolve
    T resolvers
      F file
      F name
      F spec

definetypeface function
encodings table
    T agl
      D ctxcodes
      D extras
      D names
      D synonyms

Right column:

    T alternate
      F opentype
    T kern
      F opentype
      F type1
      F type3
    T multiple
      F opentype
    T substitution
      F opentype

goodies table
    D colorschemes
    T data
    T dejavu-math
      S author
      S comment
      S copyright
      B initialized
      T mathematics
        T alternates
          T dotless
            S comment
            S feature
            N value
        T kerns
      S name
      S version
    T schola-math

S	author	D	quads
S	comment	D	resources
S	copyright	T	setdynamics
B	initialized	T	shapes
T	mathematics	D	spaces
T	alternates	D	spacings
T	dotless	T	streams
S	comment	D	unicodes
S	feature	D	variants
N	value	D	xheights

T	kerns	**helpers**	table
S	name	F	addextraprivate
S	version	F	addprivate
D	designsizes	F	appendcommands
D	filenames	F	appendcommandtable
F	getcompositions	F	checkflags
T	list	F	checkmerge
F	load	F	checksteps
F	prepare_features	F	collectanchors
F	register	D	commands
F	registerpostprocessor	F	descriptiontoslot
F	report	F	dimenfactor
T	suffixes	F	expandglyph
handlers	table	T	extraprivates
hashes	table	F	fontpatternhassize
D	characters	F	getcoloredglyphs
D	classes	F	getdigitwidth
D	csnames	F	getinstancespec
D	descriptions	F	getparameters
D	dynamics	F	getprivatecharornode
D	emwidths	F	getprivatenode
D	exheights	F	getprivates
D	extensibles	F	getprivateslot
D	features	F	hasprivate
D	identifiers	F	indextoslot
D	italics	F	name
D	lastmathids	F	nametoslot
D	marks	F	prependcommands
D	mathparameters	F	prependcommandtable
D	modes	F	privateslot
D	originals	F	setdigitwidth
D	parameters	F	splitfontpattern
T	processes	F	tochar
D	properties	**infofont**	function

iterators table

  F characters

  F descriptions

  F glyphs

loggers table

  F add_placeholders

  D category_to_placeholder

  F format

  F onetimemessage

  F register

  F reportdefinedfonts

  F reportusedfeatures

mappings table

  F addtounicode

  F fromunicode16

  F loadfile

  F loadline

  F makenameparser

  D overloads

  F reset

  F tounicode

  F tounicode16

  F tounicode16sequence

metapost table

  F boundingbox

  F boxtomp

  F draw

  F fill

  F maxbounds

  F output

  F paths

  F widthline

  F zeroline

mp table

  D cache

  B inline

  N version

names data table

nulldata data table

privateoffsets table

  B keepnames

  N mathbase

  N mathextrabase

  N textbase

  N textextrabase

protrusions data table

readers table

  F afm

  F check_lua

  F check_tfm

  F lua

  F ofm

  F opentype

  F otf

  F pfb

  D sequence

  F tfm

  F ttc

  F ttf

  F woff

reserveid function

select table

  D alternatives

  F bodyfont

  D data

  F default

  D defaults

  F definefallbackfamily

  F definefontfamily

  F definefontfamilypreset

  D extras

  F fallback

  D fallbacks

  F features

  F filefallback

  F fontdata

  F fontfallback

  F fontsynonym

  F goodies

  F mathfallback

  D methods

  D presets

  F registerfallback

  F registerfiles

  F registerfontalternative

  F registerfontfamily

  F textfallback

  F typeface

F typescript		T emoji	
F userdata		F checked	
specifiers	table	F resolved	
D contextmerged		F uselibrary	
F contextnumber		**tables**	table
D contextnumbers		D data	
D contextsetups		F savefont	
F contexttostring		F saveoriginal	
F definecontext		**tracers**	table
F mergecontext		**treatments**	table
F presetcontext		F applyfixes	
F registercontext		D data	
F showcontext		S filename	
F splitcontext		F ignoredfile	
D synonyms		F report	
D variants		F trace	
symbols	table	**typefaces**	table

functions (context)

dummy function

graphics (context)

backgrounds table
    F fetchmultipar
    F pair
    F path
    F point
identifiers table

    F bitmap
    F jp2
    F jpg
    F png
identify function

gzip (extra lua)

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

images (context)

check	function
checksize	function
copy	function
create	function
embed	function
keys	table
print	function
scan	function
serialize	function
sizes	table

B art
B bleed
B crop
B media
B none
B trim

totable	function
types	table

N jbig2
N jp2
N jpg
N memstream
N none
N pdf
N png
N stream

wrap	function

img (basic tex)

new overloaded 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)

_	data table	F list	
addvalidkeys	function	**registernamespace**	function
cachedsetups	data table	**registerscanner**	function
cachesetup	function	**scanners**	data table
checkedspecification	function	**setconstant**	function
complete	data table	**setcount**	function
constants	data table	**setdimen**	function
corenamespaces	data table	**setelement**	function
currentinterface	string	**setformat**	function
currentresponse	string	**setmacro**	function
definecommand	function	**setmessage**	function
defined	function	**setmessages**	function
doifelsemessage	function	**settranslation**	function
elements	data table	**setupstrings**	data table
formats	data table	**setuserinterface**	function
getcheckedparameters	function	**setvalidkeys**	function
getmessage	function	**setvariable**	function
getnamespace	function	**showmessage**	function
getsetupstring	function	**storedscanners**	data table
hashedsetups	data table	**strings**	table
implement	function	**syntax**	data table
interfacedcommand	function	**tolist**	function
interfaces	table	**translations**	data table
invalidkey	function	**usednamespaces**	data table
message	function	**variables**	data table
namespaces	table	**writestatus**	function
F define			

io (basic lua)

ask	function	**pathseparator**	string
bytes	function	**popen**	overloaded function
characters	function	**read**	function
close	function	**readall**	function
copydata	function	**readnumber**	function
exists	function	**readstring**	function
fileseparator	string	**saved_lines**	function
flush	function	**savedata**	function
input	overloaded function	**size**	function
lines	overloaded function	**stderr**	userdata
loadchunk	function	**stdin**	userdata
loaddata	function	**stdout**	userdata
loadlines	function	**tmpfile**	function
noflines	function	**type**	function
open	overloaded function	**write**	function
output	overloaded function		

job (context)

comment	function
datasets	table
D collected	
F extend	
F getdata	
F setdata	
D tobesaved	
disablesave	function
embedded	table
D collected	
D tobesaved	
fileobjreferences	table
D collected	
D tobesaved	
files	table
D collected	
F context	
B forcerun	
F run	
D tobesaved	
getrandomseed	function
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 countervalue	
F extend	
F realpage	
F realpageorder	
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_column	
F b_region	
F c	
D collected	
F column	
F copy	
F depth	
F e_column	
F e_region	
F enhance	
F extra	
T free	
F get	
F gethpos	
F getpos	
F getreserved	
F gettobesaved	
F getvpos	
F hangafter	
F hangindent	
F height	

F	hsize	S	used
F	leftskip	F	whd
F	lowerleft	F	width
F	lowerright	F	x
F	markregionbox	F	xy
F	n	F	y
F	onsamepage	**prepare**	function
F	overlapping	**register**	function
F	p	**save**	function
T	page	**structure**	table
F	paragraph	D	collected
F	parindent	T	components
F	position	T	tobesaved
F	r	T	branches
F	region	S	name
F	registerhandlers	S	type
F	replace	**variables**	table
F	rightskip	D	checksums
F	set	D	collected
F	setall	F	getchecksum
F	setregionbox	F	makechecksum
F	setspec	F	restore
F	settobesaved	F	save
D	tobesaved	F	setchecksum
F	upperleft	D	tobesaved
F	upperright	**version**	number

lang (basic tex)

clean	function	**id**	function
clear_hyphenation	function	**new**	function
clear_patterns	function	**patterns**	function
exceptions	function	**postexhyphenchar**	function
gethjcode	function	**posthyphenchar**	function
hyphenate	function	**preexhyphenchar**	function
hyphenation	function	**prehyphenchar**	function
hyphenationmin	function	**sethjcode**	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	**loadable**	function
define	function	**loadwords**	function
explicithyphen	function	**logger**	table
flatten	function		F report
frequencies	table	**nofflattened**	function
	F averagecharwidth	**numbers**	data table
	F getdata	**postexhyphenchar**	function
getdata	function	**posthyphenchar**	function
getnumber	function	**preexhyphenchar**	function
hjcounts	table	**prehyphenchar**	function
hyphenate	function	**registered**	data table
hyphenators	table	**replacements**	table
	T dictionaries		F add
	D featuresets		F addlist
	F handler		F handler
	T methods		F set
	F expanded	**serializediscretionary**	function
	B none	**setexceptions**	function
	F original	**setsynonym**	function
	F tex	**showdiscretionaries**	function
	F traditional	**unload**	function
	F popmethod	**urls**	table
	F pushmethod		D characters
	F setmethod		N lefthyphenmin
	F setup		D mapping
	F showhyphenationtrace		B packslashes
	T traditional		N righthyphenmin
	F definefeatures		F setcharacters
	F gettrace	**version**	number
	F hyphenate	**visualizediscretionaries**	function
	F injecthyphens	**words**	table
	F installmethod		F check
	F lasttrace		T data
	F loadpatterns		F disable
	F registerexception		F enable

T enablers

B enables

F found

F load

T methods

N threshold

layouts (context)

status table   F leftorrightpageaction

    F isleftpage

lfs (extra lua)

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

libraries (context)

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

lmx (context)

color	function		**loadedfile**	function
convert	function		**make**	function
convertfile	function		**new**	function
convertstring	function		**overloaderror**	function
einject	function		**popupfile**	function
eprint	function		**print**	function
escape	function		**pv**	function
finalized	function		**report**	function
finject	function		**reset**	function
fprint	function		**result**	function
get	function		**set**	function
getvariables	function		**show**	function
htmfile	function		**showdebuginfo**	function
html	table		**showerror**	function

   F a

   F td

   F th

include	function		**stripcss**	function
inherited	table		**tv**	function
			type	function
			urlescape	function
			variable	function
			variables	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

S color-background-blue

S color-background-body

S color-background-green

S color-background-main

S color-background-purple

S color-background-yellow

S title-default

logs (context)

application	function	**setformats**	function
categories	function	**setformatters**	function
direct	function	**setlogfile**	function
disable	function	**setmessenger**	function
enable	function	**setprocessor**	function
exporters	table	**setprogram**	function
extendbanner	function	**settarget**	function
finalactions	function	**settimedlog**	function
flush	function	**settranslations**	function
help	function	**show**	function
loggingerrors	function	**show_close**	function
messenger	function	**show_load**	function
new	function	**show_open**	function
newline	function	**simple**	function
poptarget	function	**simpleline**	function
pushtarget	function	**simplelines**	function
registerfinalactions	function	**start_page_number**	function
report	function	**starterrorlogging**	function
reportbanner	function	**startfilelogging**	function
reporter	function	**status**	function
reporters	table	**stop_page_number**	function
F banner		**stoperrorlogging**	function
F export		**stopfilelogging**	function
F help		**subdirect**	function
F info		**subreport**	function
F lines		**system**	function
F version		**texerrormessage**	function
reportline	function	**writer**	function
reportlines	function		

lpdf (context)

action	function	**delayedobject**	function
actions	function	**destinationspecification**	function
adddocumentcolorspace	function	**dictionary**	function
adddocumentextgstate	function	**docstring**	function
adddocumentpattern	function	**epdf**	table
adddocumentshade	function	F analyzefonts	
addtocatalog	function	F contenttotext	
addtoinfo	function	F expanded	
addtonames	function	F getpagecontent	
addtopageattributes	function	F getstructure	
addtopageresources	function	T image	
addtopagesattributes	function	F close	
addxmpinfo	function	F copy	
annotationspecification	function	F new	
array	function	F open	
attachmentsymbols	function	F query	
boolean	function	F load	
border	function	F parsecontent	
checkedkey	function	F plugin	
checkedvalue	function	T resolvers	
circularshade	function	F destinations	
cmykcode	function	F embeddedfiles	
collectedresources	function	F javascripts	
color	function	F layers	
colorspace	function	F pages	
colorspaceconstants	data table	F structure	
colorspec	function	F widgets	
colorvalue	function	F stripcontent	
colorvalues	function	F unload	
commentsymbols	function	**escaped**	function
compresslevel	function	**finalizedocument**	function
constant	function	**finalizefonts**	function
copyarray	function	**finalizepage**	function
copyboolean	function	**finishtransparencycode**	function
copyconstant	function	**flags**	table
copydictionary	function	T annotations	
copyfloat	function	N AutoView	
copyinteger	function	N Hidden	
copynumber	function	N Invisible	
copystring	function	N Locked	
copyunicode	function	N LockedContents	

N NoRotate		**frompdfdoc**	function
N NoView		**fromsixteen**	function
N NoZoom		**getcatalog**	function
N Print		**getcompression**	function
N Printable		**getfontname**	function
N ReadOnly		**getfontobjnumber**	function
N ToggleNoView		**getinfo**	function
N auto		**getmetadata**	function
N hidden		**getpageproperties**	function
N printable		**getversion**	function
T widgets		**getxformname**	function
N Comb		**graycode**	function
N CommitOnSelChange		**id**	function
N DoNotScroll		**immediateobj**	function
N DoNotSpellCheck		**includechar**	function
N Edit		**includecharlist**	function
N FileSelect		**includefont**	function
N MultiLine		**includeimage**	function
N NoExport		**injectxmpinfo**	function
N NoToggleToOff		**insertxmpinfo**	function
N Password		**layerreference**	function
N PopUp		**limited**	function
N PushButton		**linearshade**	function
N Radio		**literal**	function
N RadiosInUnison		**majorversion**	function
N ReadOnly		**minorversion**	function
N Required		**nametree**	function
N RichText		**nofpages**	function
N Sort		**null**	function
N file		**number**	function
N fixed		**obj**	function
N nocheck		**objectcompresslevel**	function
N protected		**pagereference**	function
N readonly		**patternstream**	function
N required		**pdfcolor**	function
N sorted		**pdftimestamp**	function
N unavailable		**permitdetail**	function
flushers	function	**print**	function
flushobject	function	**procset**	function
flushstreamfileobject	function	**protectresources**	boolean
flushstreamobject	function	**rectangle**	function
formats	data table	**reference**	function
frombytes	function	**registerannotation**	function
fromeight	function	**registerdestination**	function

registerdocumentfinalizer	function	**setversion**	function
registerfont	function	**shareobject**	function
registerpagefinalizer	function	**shareobjectreference**	function
registerpattern	function	**spotcode**	function
reserveobject	function	**stream**	function
rgbcode	function	**string**	function
rotationcm	function	**toeight**	function
setcompression	function	**topdfdoc**	function
setdates	function	**tosixteen**	function
setmapfile	function	**transparency**	function
setmapline	function	**transparencycode**	function
setomitcharset	function	**transparencygroups**	table
setomitcidset	function	B none	
setsuppressoptionalinfo	function	**transparencyvalue**	function
settime	function	**unicode**	function
settrailerid	function	**verbose**	function

lpeg (basic lua)

B	function	**firstofsplit**	function
C	function	**frontstripper**	function
Carg	function	**instringchecker**	function
Cb	function	**is_lpeg**	function
Cc	function	**keeper**	function
Cf	function	**locale**	function
Cg	function	**match**	function
Cmt	function	**oneof**	function
Cp	function	**patterns**	data table
Cs	function	**pcode**	function
Ct	function	**print**	function
P	function	**ptree**	function
R	function	**replacer**	function
S	function	**secondofsplit**	function
UP	function	**setmaxstack**	function
UR	function	**setutfcasers**	function
US	function	**split**	function
V	function	**splitat**	function
afterprefix	function	**splitter**	function
anywhere	function	**stripper**	function
append	function	**times**	function
balancer	function	**tsplitat**	function
beforesuffix	function	**tsplitter**	function
checkedsplit	function	**type**	function
containsws	function	**utfchartabletopattern**	function
counter	function	**utfreplacer**	function
endstripper	function	**version**	function
finder	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	F required	
bytedata	data table	F reset	
bytedone	table	F resolvestring	
collectgarbage	function	F resolving	
delay	function	F showdefinitions	
finalize	function	**mask**	string
firstbytecode	number	**messages**	data table
flush	function	**name**	table
flushdelayed	function	**newtable**	function
get_functions_table	function	**numbers**	data table
getbytecode	function	**registercode**	function
getcalllevel	function	**registeredcodes**	function
getluaname	function	**registerfinalizer**	function
getstacktop	function	**registername**	function
lastbytecode	number	**setbytecode**	function
macros	table	**setluaname**	function
B enabled		**startupfile**	string
F loaded		**version**	string

luatex (context)

abort	function	F finish	
cleanup	function	F pause	
cleanuptempfiles	function	F popline	
currentfile	function	F pushline	
registerdumpactions	function	F registerdisabler	
registerpageactions	function	F registerenabler	
registerstartactions	function	F resetfilename	
registerstopactions	function	F resume	
registertempfile	function	F setfilename	
starttime	number	F setup	
synctex	table	F start	
F blockfilename		F stop	
F collect		F wrapup	
F disable		**wrapup**	function
F enable			

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		**inlineverbatim**	function
context	function		**installsetup**	function
convert	function		**last**	function
count	function		**lastatt**	function
delete	function		**lastmatch**	function
direct	function		**lastpar**	function
directives	table		**load**	function
F after			**loadbuffer**	function
F before			**loaddata**	function
F handle			**loaded**	table
F load			**main**	function
F setup			**match**	function
displayverbatim	function		**name**	function
doif	function		**namespace**	function
doifelse	function		**nonspace**	function
doifelseempty	function		**par**	function
doifelsetext	function		**param**	function
doifempty	function		**parameter**	function
doifnot	function		**path**	function
doifnotempty	function		**popmatch**	function
doifnottext	function		**pos**	function
doiftext	function		**position**	function
element	function		**pure**	function
elements	function		**pushmatch**	function
entities	data table		**raw**	function
filter	function		**rawroot**	function
filterlist	function		**rawtex**	function
first	function		**refatt**	function

register	function		F compare
registerentity	function		F flush
removesetup	function		F reset
replace	function		F show
resetcdata	function		F sort
resetsetups	function	**splitid**	function
resolvedentity	function	**startraw**	function
root	function	**startunescaped**	function
save	function	**stopraw**	function
serialize	function	**stopunescaped**	function
setaction	function	**store**	function
setatt	function	**strip**	function
setattribute	function	**stripped**	function
setcdata	function	**tag**	function
setcommandtonone	function	**text**	function
setcommandtotext	function	**tobuffer**	function
setpar	function	**tofile**	function
setparam	function	**toparameters**	function
setparameter	function	**toverbatim**	function
setsetup	function	**verbatim**	function
snippet	function	**withindex**	function
sorters	table	**xmltexhandler**	data table
F add			

math (basic lua)

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

mathematics (context)

addfallbacks	function	**mapremap**	data table
alphabets	data table	**overloaddimensions**	function
alternatives	data table	**overloadparameters**	function
big	function	**privatebase**	number
boldmap	data table	**registerdomain**	function
categories	table	**registerfallbackid**	function
D functions		**remapalphabets**	function
charactersets	data table	**renderings**	table
checkaccentbaseheight	function	D mappings	
checkprivateparameters	function	D numbers	
classes	data table	D sets	
codes	data table	**renderset**	function
define	function	**resetattributes**	function
dimensions	function	**resetitalics**	function
domains	table	**resolvefallbacks**	function
extensiblecode	function	**scaleparameters**	function
extensibles	data table	**setdomain**	function
extrabase	number	**setitalics**	function
extras	table	**setridofprime**	function
F add		**sets**	data table
F copy		**styles**	data table
fallbacks	table	**syncboth**	function
F apply		**syncname**	function
F install		**syncstyle**	function
fallbackstyleattr	function	**toname**	function
families	data table	**tostyle**	function
finishfallbacks	function	**tweakaftercopyingfont**	function
gaps	data table	**tweakbeforecopyingfont**	function
getboth	function	**tweaks**	table
getdomain	function	**utfmathaccent**	function
getitalics	function	**utfmathclass**	function
getridofprime	function	**utfmathcommand**	function
getstyle	function	**utfmathfiller**	function
horizontalcode	function	**utfmathstretch**	function
initializeparameters	function	**virtualize**	function
makefont	function	**virtualized**	data table

md5 (extra lua)

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

metapost (context)

checkformat	function		**getstatistics**	function
cm	function		**gettext**	function
collapse	boolean		**graphic**	function
colorinitializer	function		**graphic_base_pass**	function
comment	function		**installplugin**	function
convert	function		**isobject**	function
currentmpx	function		**lastlog**	string
defaultformat	string		**load**	function
defaultinstance	string		**maketext**	function
defaultmethod	string		**metafun**	table
directrun	function		F interpolate	
escaped	function		F topath	
exectime	table		**mptopdf**	table
extensiondata	data table		F convertmpstopdf	
filterclippath	function		N nofconverted	
flush	function		**n**	number
flushers	table		**nofscriptruns**	function
T pdf			**nvformat**	function
F comment			**pdfliterals**	function
F flushfigure			**pluginactions**	function
F startfigure			**popformat**	function
F stopfigure			**popscriptrunner**	function
F textfigure			**popvariable**	function
flushliteral	function		**popvariables**	function
flushnormalpath	function		**preparetextextsdata**	function
flushreset	function		**process**	function
fonts	table		**processplugins**	function
F define			**processspecial**	function
T flusher			**properties**	table
F flushfigure			**pushformat**	function
F startfigure			**pushscriptrunner**	function
F stopfigure			**pushvariable**	function
N instances			**pushvariables**	function
F process			**quickanddirty**	function
format_number	function		**reducetogray**	boolean
format_string	function		**reporterror**	function
formatnumber	function		**reset**	function
getclippath	function		**resetlastlog**	function
getextensions	function		**resetplugins**	function
getextradata	function		**run**	function
getjobdata	function		**runscript**	function

scripterror	function	F get	
setextensions	function	F reset	
setoutercolor	function	F set	
settext	function	F setfrombuffer	
setvariable	function	**texerrors**	boolean
showlog	boolean	**texexp**	function
simple	function	**theclippath**	function
splitprescript	function	**tographic**	function
startgraphic	function	**totable**	function
stopgraphic	function	**unload**	function
svformat	function	**untagvariable**	function
sxsy	function	**variables**	table
tex	table		

mime (extra lua)

b64   function

decode   overloaded function

decodet   overloaded table

    F base64

    F quoted-printable

dot   function

encode   overloaded function

encodet   overloaded table

    F base64

    F quoted-printable

eol   function

normalize overloaded function

qp   function

qpwrp   function

report   function

stuff   overloaded function

unb64   function

unqp   function

wrap   overloaded function

wrapt   overloaded table

    F base64

    F default

    F quoted-printable

    F text

wrp   function

mp (context)

BackSpace	function	**OuterMarginWidth**	function
BaseLineSkip	function	**OverlayDepth**	function
BodyFontSize	function	**OverlayHeight**	function
BottomDistance	function	**OverlayLineWidth**	function
BottomHeight	function	**OverlayOffset**	function
BottomSpace	function	**OverlayRegion**	function
CurrentColumn	function	**OverlayWidth**	function
CurrentHeight	function	**PageDepth**	function
CurrentWidth	function	**PageFraction**	function
CutSpace	function	**PageNumber**	function
EmWidth	function	**PageOffset**	function
ExHeight	function	**PaperBleed**	function
FooterDistance	function	**PaperHeight**	function
FooterHeight	function	**PaperWidth**	function
HSize	function	**PrintPaperHeight**	function
HeaderDistance	function	**PrintPaperWidth**	function
HeaderHeight	function	**RealPageNumber**	function
InPageBody	function	**RightEdgeDistance**	function
InnerEdgeDistance	function	**RightEdgeWidth**	function
InnerEdgeWidth	function	**RightMarginDistance**	function
InnerMarginDistance	function	**RightMarginWidth**	function
InnerMarginWidth	function	**SpineWidth**	function
LastPageNumber	function	**StrutDepth**	function
LayoutColumnDistance	function	**StrutHeight**	function
LayoutColumnWidth	function	**SubPageNumber**	function
LayoutColumns	function	**TextHeight**	function
LeftEdgeDistance	function	**TextWidth**	function
LeftEdgeWidth	function	**TopDistance**	function
LeftMarginDistance	function	**TopHeight**	function
LeftMarginWidth	function	**TopSkip**	function
LineHeight	function	**TopSpace**	function
MakeupHeight	function	**VSize**	function
MakeupWidth	function	**_f_**	function
NOfColumns	function	**_get_count_**	function
NOfPages	function	**_get_dimen_**	function
NOfSubPages	function	**_get_macro_**	function
OnOddPage	function	**_get_toks_**	function
OnRightPage	function	**_set_count_**	function
OuterEdgeDistance	function	**_set_dimen_**	function
OuterEdgeWidth	function	**_set_macro_**	function
OuterMarginDistance	function	**_set_toks_**	function

aux	table	**inhash**	function
F boolean		**integer**	function
F flush		**isarray**	function
F fprint		**isobject**	function
F integer		**mf_blob_add**	function
F number		**mf_blob_dimensions**	function
F numeric		**mf_blob_index**	function
F pair		**mf_blob_new**	function
F pairpoints		**mf_blob_raw_content**	function
F path		**mf_blob_raw_dimensions**	function
F pathpoints		**mf_blob_raw_reset**	function
F points		**mf_blob_raw_toutf**	function
F print		**mf_blob_raw_wipe**	function
F quadruple		**mf_blob_size**	function
F quadruplepoints		**mf_blob_width**	function
F quoted		**mf_default_color_model**	function
F size		**mf_external_figure**	function
F string		**mf_finish_saving_data**	function
F triplet		**mf_formatted_text**	function
F tripletpoints		**mf_get_outline_text**	function
F vprint		**mf_graphic_text**	function
boolean	function	**mf_inject_blob**	function
cleaned	function	**mf_made_text**	function
dataset	function	**mf_named_color**	function
datasets	function	**mf_outline_text**	function
F load		**mf_path_left**	function
dimension	function	**mf_path_length**	function
disposehash	function	**mf_path_point**	function
flush	function	**mf_path_reset**	function
format	function	**mf_path_right**	function
formatted	function	**mf_save_data**	function
fprint	function	**mf_some_text**	function
fromhash	function	**mf_start_saving_data**	function
get	table	**mf_stop_saving_data**	function
F boolean		**mf_tb_dimensions**	function
F number		**mf_tt_dimensions**	function
F numeric		**mf_tt_initialize**	function
F path		**mode**	function
F string		**n**	function
getcount	function	**newhash**	function
getdimen	function	**number**	function
getmacro	function	**numeric**	function
gettoks	function	**pair**	function
graphformat	function	**pairpoints**	function

path	function	**quadruplepoints**	function
pathleft	function	**quoted**	function
pathlength	function	**report**	function
pathpoint	function	**set**	table
pathpoints	function		F path
pathreset	function	**setcount**	function
pathright	function	**setdimen**	function
points	function	**setmacro**	function
positionanchor	function	**settoks**	function
positionbox	function	**size**	function
positioncurve	function	**string**	function
positionpage	function	**systemmode**	function
positionpath	function	**texstr**	function
positionpxy	function	**textextanchor**	function
positionregion	function	**texvar**	function
positionwhd	function	**tohash**	function
positionxy	function	**triplet**	function
prefix	function	**tripletpoints**	function
print	function	**utflen**	function
processingmode	function	**utfsub**	function
quadruple	function	**vprint**	function

mplib (extra tex)

char_depth	function	**get_boolean**	function
char_height	function	**get_number**	function
char_width	function	**get_numeric**	function
execute	function	**get_path**	function
fields	function	**get_string**	function
finder	function	**new**	overloaded function
finders	table	**pen_info**	function
F file		**solve_path**	function
F mpstemplate		**statistics**	function
finish	function	**version**	function

noads (context)

handlers   table
- F align
- F alternates
- F autofences
- F classes
- F collapse
- F domains
- F families
- F fixscripts
- F italics
- F kernpairs
- F makeup
- F relocate
- F render
- F resize
- F showtree
- F tags
- F unscript
- F unstack
- F variants

process   function
processnested   function
processors   table
- F mlist_to_hlist
- T unscript
- T unstack

processouter   function

node (basic tex)

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

F check_discretionaries
F check_discretionary
F copy
F copy_list
F count
F current_attr
F dimensions
F effective_glue
F end_of_math
F find_attribute
F first_glyph
F flatten_discretionaries
F flush_list
F flush_node
F flush_properties_table
F free
F get_attribute
F get_properties_table
F get_synctex_fields
F getattributelist
F getboth
F getbox
F getchar
F getcomponents
F getdata
F getdepth
F getdir
F getdirection
F getdisc
F getexpansion
F getfam
F getfield
F getfont

F getglue
F getheight
F getid
F getkern
F getlang
F getleader
F getlist
F getnext
F getnucleus
F getoffsets
F getpenalty
F getprev
F getproperty
F getshift
F getsub
F getsubtype
F getsup
F getwhd
F getwidth
F has_attribute
F has_field
F has_glyph
F hpack
F hyphenating
F insert_after
F insert_before
F is_char
F is_direct
F is_glyph
F is_node
F is_zero_glue
F kerning
F last_node
F length
F ligaturing
F new
F prepend_prevdepth
F protect_glyph
F protect_glyphs
F protrusion_skippable
F rangedimensions

F remove		F traverse_char	
F set_attribute		F traverse_glyph	
F set_properties_mode		F traverse_id	
F set_synctex_fields		F traverse_list	
F setattributelist		F unprotect_glyph	
F setboth		F unprotect_glyphs	
F setbox		F unset_attribute	
F setchar		F usedlist	
F setcomponents		F uses_font	
F setdata		F vpack	
F setdepth		F write	
F setdir			

F setdirection	
F setdisc	**effective_glue** function
F setexpansion	**end_of_math** function
F setfam	**family_font** function
F setfield	**fields** function
F setfont	**find_attribute** function
F setglue	**first_glyph** function
F setheight	**fix_node_lists** function
F setkern	**flatten_discretionaries** function
F setlang	**flush_list** function
F setleader	**flush_node** function
F setlink	**flush_properties_table** function
F setlist	**free** function
F setnext	**get_attribute** function
F setnucleus	**get_properties_table** function
F setoffsets	**getboth** function
F setpenalty	**getchar** function
F setprev	**getdisc** function
F setproperty	**getfield** function
F setshift	**getfont** function
F setsplit	**getglue** function
F setsub	**getid** function
F setsubtype	**getleader** function
F setsup	**getlist** function
F setwhd	**getnext** function
F setwidth	**getprev** function
F slide	**getproperty** function
F tail	**getsubtype** function
F todirect	**getwhd** function
F tonode	**has_attribute** function
F tostring	**has_field** function
F traverse	**has_glyph** function
	hpack function
	hyphenating function

id	function	**setfield**	function
insert_after	function	**setglue**	function
insert_before	function	**setproperty**	function
is_char	function	**slide**	function
is_glyph	function	**subtype**	function
is_node	function	**subtypes**	function
is_zero_glue	function	**tail**	function
kerning	function	**tostring**	function
last_node	function	**traverse**	function
length	function	**traverse_char**	function
ligaturing	function	**traverse_glyph**	function
make_extensible	function	**traverse_id**	function
mlist_to_hlist	function	**traverse_list**	function
new	function	**type**	function
next	function	**types**	function
prepend_prevdepth	function	**unprotect_glyph**	function
prev	function	**unprotect_glyphs**	function
protect_glyph	function	**unset_attribute**	function
protect_glyphs	function	**usedlist**	function
protrusion_skippable	function	**uses_font**	function
rangedimensions	function	**values**	function
remove	function	**vpack**	function
set_attribute	function	**whatsits**	function
set_properties_mode	function	**write**	function

nodes (context)

accentcodes	data table	**effective_glue**	function
aligned	function	**end_of_math**	function
append	function	**fencecodes**	data table
apply	function	**fields**	function
applyvisuals	function	**fillcodes**	data table
astable	function	**find_attribute**	function
basepoints	function	**first_glyph**	function
boundarycodes	data table	**firstcharacter**	function
boxes	table	**firstcharinbox**	function
F dimensions		**firstdirinbox**	function
F direct		**firstglyph**	function
F found		**flatten_discretionaries**	function
F reset		**flush**	function
F restore		**flush_list**	function
F save		**flush_node**	function
builders	table	**free**	function
F buildpage_filter		**fullhpack**	function
F vpack_filter		**getattr**	function
check_discretionaries	function	**getattribute**	function
codes	data table	**getboth**	function
concat	function	**getbox**	function
copy	function	**getchar**	function
copy_list	function	**getfield**	function
copy_node	function	**getfont**	function
count	function	**getglue**	function
countall	function	**getid**	function
current_attr	function	**getleader**	function
delete	function	**getlist**	function
destinations	table	**getnext**	function
N attribute		**getprev**	function
T done		**getsubtype**	function
F handler		**gluecodes**	data table
T stack		**gluevalues**	data table
dimensionfields	data table	**glyphcodes**	data table
dimensions	function	**handlers**	table
dircodes	data table	F accessibility	
directioncodes	data table	F backgrounds	
directionvalues	data table	F backgroundspage	
dirvalues	data table	F backgroundsvbox	
disccodes	data table	F characters	
discretionarycodes	data table	F checkforleaks	

F checkglyphs		**is_display_math**	function
F checkparcounter		**is_node**	function
F cleanupbox		**is_nut**	function
F cleanuppage		**is_zero_glue**	function
F export		**kerncodes**	data table
F finalizebox		**kerning**	function
F flatten		**keys**	table
F flattenline		T whatsit	
F migrate		**last_node**	function
F protectglyphs		**leadercodes**	data table
F stripping		**leftmarginwidth**	function
F textbackgrounds		**length**	function
F unprotectglyphs		**ligaturing**	function
has_attribute	function	**linefillers**	table
has_field	function	D data	
has_glyph	function	F define	
hpack	function	F enable	
hyphenating	function	F filler	
idsandsubtypes	function	F handler	
idstostring	function	**lines**	table
ignorablefields	data table	T boxed	
injections	table	F register	
F copy		F setup	
F getligaindex		F stage_one	
F getthreshold		F stage_two	
F handler		D data	
F installgetspaceboth		F finalize	
F installnewkern		F number	
F isspace		N scratchbox	
F keepcounts		**link**	function
F reset		**linked**	function
F resetcounts		**list**	function
F setcursive		**listablefields**	data table
F setkern		**listcodes**	data table
F setligaindex		**listtoutf**	function
F setmark		**literalvalues**	data table
F setmove		**load**	function
F setposition		**locate**	function
F setspacekerns		**margincodes**	data table
insert_after	function	**marginkerncodes**	data table
insert_before	function	**markers**	table
insert_list_after	function	F get	
installattributehandler	function	**mathcodes**	data table
is_direct	function	**maxboxwidth**	function

mlist_to_hlist	function	F free
new	function	F fullhpack
noadcodes	data table	F get_synctex_fields
noadoptions	table	F getattr
N axis		F getattribute
N exact		F getattributelist
N left		F getattrlist
N middle		F getboth
N no_axis		F getbox
N right		F getboxglue
N set		F getchar
N unused_1		F getcomponents
N unused_2		F getdata
nodecodes	data table	F getdepth
nopts	function	F getdir
nuts	table	F getdirection
F append		F getdisc
F apply		F getdiscretionary
F applyvisuals		F getexpansion
F check_discretionaries		F getfam
F concat		F getfield
F copy		F getfont
F copy_list		F getglue
F copy_no_components		F getglyphdata
F copy_node		F getheight
F copy_only_glyphs		F getid
F copy_properties		F getkern
F copyvisual		F getlang
F count		F getlanguage
F countall		F getleader
F current_attr		F getlist
F delete		F getnext
F dimensions		F getnucleus
F effective_glue		F getoffsets
F end_of_math		F getorientation
F find_attribute		F getpenalty
F first_glyph		F getprev
F firstcharacter		F getprop
F firstcharinbox		F getruledata
F firstglyph		F getshift
F flatten_discretionaries		F getsub
F flush		F getsubtype
F flush_list		F getsup
F flush_node		F getsurround

F getvalue	F fraction
F getwhd	F glue
F getwidth	F gluespec
F has_attribute	F glyph
F has_field	F hlist
F has_glyph	F italickern
F hpack	F kern
F hyphenating	F latelua
F insert_after	F leader
F insert_before	F leftmarginkern
F insert_list_after	F leftskip
F is_direct	F lineskip
F is_display_math	F literal
F is_node	F mathchar
F is_nut	F mathtextchar
F is_zero_glue	F negatedglue
F ischar	F noad
F isdone	F originliteral
F isglyph	F outlinerule
F kerning	F pageliteral
F last_node	F penalty
F leftmarginwidth	F radical
F length	F rawliteral
F ligaturing	F register
F link	F restore
F linked	F rightmarginkern
F locate	F rightskip
F mlist_to_hlist	F rule
F nestedtracedslide	F save
F new	F savepos
T pool	F setmatrix
F accent	F shrink
F baselineskip	F stretch
F boundary	F subbox
F choice	F submlist
F cleanup	F temp
F delim	F textdir
F delimiter	F usage
F direction	T userids
F directliteral	N margins.inline
F disc	N splitters.one
F emptyrule	N splitters.two
F fence	F usernode
F fontkern	F userrule

F vlist

  F wordboundary

F prepend

F processranges

F processwords

F protect_glyph

F protect_glyphs

F protrusion_skippable

F rangedimensions

F rawprop

F reference

F rehpack

F remove

F repackhlist

F replace

F rightmarginwidth

T rules

  T ruleactions

    F box

    F draw

    F fill

    F mp

    F stroke

  F userrule

F set_attribute

F set_synctex_fields

F setattr

F setattribute

F setattributelist

F setattributes

F setattrlist

F setboth

F setbox

F setboxglue

F setchar

F setcomponents

F setdata

F setdepth

F setdir

F setdirection

F setdisc

F setdiscretionary

F setexpansion

F setfam

F setfield

F setfont

F setglue

F setglyphdata

F setheight

F setkern

F setlang

F setlanguage

F setleader

F setlink

F setlist

F setnext

F setnucleus

F setoffsets

F setorientation

F setpenalty

F setprev

F setprop

F setruledata

F setshift

F setsplit

F setsub

F setsubtype

F setsup

F setsurround

F setunsetattributes

F setvalue

F setvisual

F setvisuals

F setwhd

F setwidth

F slide

F somepenalty

F somespace

F splitbox

F striprange

F tail

F takeattr

F takebox

F takelist

F theprop

F tonode

F tonodes

F tonut

F tosequence			F initializer	
F tostring			S name	
F tracedslide			T namespace	
F traverse			N attribute	
F traverse_char			D data	
F traverse_glyph			F enable	
F traverse_id			F handler	
F traverse_list			F register	
T traversers			D registered	
F boundary			D values	
F char			F processor	
F dir		**points**	function
F disc		**pool**	table
F glue		F baselineskip	
F glyph		F cleanup	
F hlist		F directliteral	
F list		F glyph	
F next		F hlist	
F node		F latelua	
F vlist		F lineskip	
F whatsit		F literal	
T typesetters		F originliteral	
F tohbox		F register	
F tohpack		F restore	
F tonodes		F save	
F tovbox		F savepos	
F tovpack		F setmatrix	
F unprotect_glyph		F special	
F unprotect_glyphs		F usage	
F unset_attribute		F vlist	
F unsetattribute		**prepend**	function
F unsetattributes		**print**	function
F untracedslide		**processors**	table
F use_components		F contribute_filter	
F usedlist		B enabled	
F uses_font		F hpack_filter	
F vianodes		F post_linebreak_filter	
F vianuts		F pre_linebreak_filter	
F vpack		F tracer	
F write		**properties**	table
packlist	function		T data	
penaltycodes	data table		**protect_glyph**	function
plugindata	table		**protect_glyphs**	function
F finalizer			**protrusion_skippable**	function

pts	function		F define	
radicalcodes	data table		F enable	
rangedimensions	function		F handler	
reference	function	**show**	function
references	table	**showboxes**	function
N attribute		**showcodes**	function
T done		**showlist**	function
F handler		**showsimplelist**	function
T stack		**skipcodes**	data table
rehpack	function	**skipvalues**	data table
remove	function	**slide**	function
repackhlist	function	**snapshots**	table
replace	function	F getparameters	
report	function	F getsamples	
rightmarginwidth	function	F resetsamples	
rulecodes	data table	F takesample	
rules	table	**somepenalty**	function
D data		**somespace**	function
F define		**splitbox**	function
F enable		**stripdiscretionaries**	function
F handler		**stripping**	table
F userrule		T glyphs	
save	function	F set	
serialize	function	**subtypes**	data table
serializebox	function	**tail**	function
set_attribute	function	**takeattr**	function
setattr	function	**takebox**	function
setattribute	function	**tasks**	table
setattributes	function	F actions	
setboth	function	F appendaction	
setbox	function	F disableaction	
setboxtonaturalwd	function	F disablegroup	
setchar	function	F enableaction	
setfield	function	F enablegroup	
setfont	function	F freeze	
setglue	function	F freezegroup	
setleader	function	F new	
setlink	function	F prependaction	
setlist	function	F removeaction	
setnext	function	F replaceaction	
setprev	function	F restart	
setunsetattributes	function	F setaction	
shifts	table	F showactions	
D data		F table	

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_char**	function
tracers	table	**traverse_glyph**	function
T characters		**traverse_id**	function
F collect		**traverse_list**	function
F equal		**traversers**	table
F start			F char
F string			F glyph
F unicodes			F list
T colors			F node
F reset		**typesetters**	table
F set			F hbox
F setlist			F hpack
F fontchar			F tohbox
T frequencies			F tohpack
F register			F tonodes
T pool			F tovbox
T nodes			F tovpack
F rule			F vpack
T nuts		**unprotect_glyph**	function
F rule		**unprotect_glyphs**	function
F resetproperties		**unset_attribute**	function
F rule		**unsetattribute**	function
F setlist		**unsetattributes**	function
F setproperties		**usedlist**	function
F start		**usercodes**	data table

uses_font	function		F register
vianodes	function		F setfont
vianuts	function		F setlayer
visualizebox	function		F setruledglyph
visualizers	table		F setvisual
F attribute		**vpack**	function
T attributes		**whatcodes**	data table
F box		**whatsitcodes**	data table
F handler		**write**	function
F markfonts			

number (context)

	function	**tobitstring**	function
basepoints	function	**tocentimeters**	function
bytetodecimal	function	**tociceros**	function
compactfloat	function	**tocontext**	function
decimaltobyte	function	**todidots**	function
dimenfactors	data table	**todimen**	function
formatted	function	**toevenhex**	function
formattedfloat	function	**toinches**	function
idiv	function	**tomillimeters**	function
maxdimen	number	**tonewciceros**	function
nopts	function	**tonewdidots**	function
percent	function	**tonumberf**	function
points	function	**tonumberg**	function
pts	function	**topicas**	function
signed	function	**topoints**	function
sparseexponent	function	**toscaled**	function
splitdimen	function	**toscaledpoints**	function
to16dot16	function	**valid**	function
tobasepoints	function		

objects (context)

data	table	**page**	function
dimensions	function	**reference**	function
found	function	**register**	function
n	number	**restore**	function

os (basic lua)

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

package (basic lua)

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

pagebuilders (context)

columnsets table
- F add
- F block
- F check
- F currentcolumn
- F define
- F finishflush
- F flushareas
- F flushcolumn
- F flushrest
- F goto
- F noto
- F prepareflush
- F put
- F registerarea
- F reset
- F setarea

- F sethsize
- F sethspan
- F setlines
- F setproperties
- F setstart
- F setvsize

injections table
- F flushafter
- F flushbefore
- F save

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

pdf (basic tex)

immediateobj function

pdfe (extra tex)

arraytotable	function	**getnofpages**	function
close	function	**getnumber**	function
closestream	function	**getpage**	function
dictionarytotable	function	**getpages**	function
encryptioncodes	data table	**getsize**	function
getarray	function	**getstatus**	function
getboolean	function	**getstream**	function
getbox	function	**getstring**	function
getcatalog	function	**gettrailer**	function
getdictionary	function	**getversion**	function
getfromarray	function	**new**	function
getfromdictionary	function	**objectcodes**	data table
getfromreference	function	**open**	function
getfromstream	function	**openstream**	function
getinfo	function	**pagestotable**	function
getinteger	function	**readfromstream**	function
getmemoryusage	function	**readwholestream**	function
getname	function	**type**	function
getnofobjects	function	**unencrypt**	function

pdfscanner (context)

scan function

physics (context)

units table   D tables

    F registerunit

publications (context)

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

T sets		S pages	
T author		S volume	
T editionset		S version	
T virtual		D 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		N steps	
S author		**enhancers**	table
S institution		F details	
S organization		F order	
S subtitle		F suffixes	
S title		**finder**	function
S year		**firstofrange**	function
T optional		**found**	function
T required		**get**	function
T sets		**getcasted**	function
T authors		**getdetail**	function
T virtual		**getdirect**	function
S comment		**getfaster**	function
S copyright		**getfield**	function
T fields		**getfuzzy**	function
S name		**getindex**	function
T types		**inspectors**	data table
S author		**journals**	table
S editor		F abbreviated	
S keywords		F add	
S number		F expanded	
S page		F load	

F save		F lua	
lastofrange	function	F refman	
lists	table	F registercleaner	
F collectentries		F xml	
F combiinlist		**loadreplacementfile**	function
F fetchentries		**new**	function
F filterall		**okay**	function
F flushcombi		**oneorrange**	function
F flushentry		**parenttag**	function
F flushtag		**permitted**	function
T methods		**prerollcmdstring**	function
F dataset		**refman_to_btx**	function
F force		**resolvedname**	function
F global		**save**	function
F local		**savers**	table
F nofregistered		F bib	
F prepareentries		F lua	
F register		F xml	
F sameasprevious		**search**	function
T sorters		**setcategory**	function
F cite		**setspecification**	function
F dataset		**singularorplural**	function
F default		**sortedentries**	function
F index		**sortmethods**	table
F list		T authoryear	
F reference		T sequence	
F short		**specifications**	table
F used		T default	
F uservariable		S author	
listvariants	table	S comment	
F default		S copyright	
F index		S name	
F num		S version	
F short		D virtual	
F tag		**splitauthor**	function
load	function	**splitoneauthor**	function
loadbibdata	function	**statistics**	table
loaddefinitionfile	function	N nofbytes	
loaders	table	N nofdatasets	
F bbl		N nofdefinitions	
F bib		N nofshortcuts	
F buffer		**tables**	table
F endnote		D implicits	
F json		D origins	

D privates		F showtables	
D sets		F showvariants	
D specials		**typesetters**	table
D types		F author	
D virtuals		F string	
tags	function	**usedataset**	function
tracers	table	**usedentries**	function
F showdatasetauthors		**writers**	table
F showdatasetcompleteness		F author	
F showdatasetfields		F keyword	
F showentry		F pagenumber	
F showfields		F range	
F showhashedauthors			

regimes (context)

backmapping	data table	**mapping**	data table
cleanup	function	**pop**	function
disable	function	**process**	function
enable	function	**push**	function
fromregime	function	**toregime**	function
list	function	**translate**	function

resolvers (context)

allprefixes	function	**findpath**	function
appendhash	function	**findpk**	function
automount	function	**findtexfile**	function
automounted	table	**findwildcardfile**	function
booleanvariable	function	**findwildcardfiles**	function
cacheversion	string	**formatofsuffix**	function
checkedvariable	function	**formatofvariable**	function
cleanedpathlist	function	**formats**	data table
cleanpath	function	**foundintree**	function
cleanpathlist	function	**foundintrees**	function
concatinators	data table	**generators**	data table
configbanner	string	**get_from_content**	function
configurationfiles	function	**getenv**	function
criticalvars	data table	**getextrapaths**	function
dangerous	data table	**getfilehashes**	function
datastate	function	**gethashes**	function
defaultsuffixes	table	**getownpath**	function
dowithfilesandreport	function	**getreadfilename**	function
dowithfilesintree	function	**hashers**	data table
dowithpath	function	**homedir**	string
dowithvariable	function	**initialized**	function
env	function	**inputstack**	table
executers	table	**installinputfilehandler**	function
expandbraces	function	**installinputlinehandler**	function
expandedpathfromlist	function	**jobpath**	function
expandedpathlist	function	**jobs**	table
expandedpathlistfromvariable	function	F currentcomponent	
expandpath	function	F currentenvironment	
expandpathfromvariable	function	F currentproduct	
expansion	function	F currentproject	
extendtexmfvariable	function	F justacomponent	
filtered_from_content	function	D processors	
~~**find_file**~~	~~function~~	F productcomponent	
~~**find_files**~~	~~function~~	F usefile	
findbinfile	function	**joinpath**	function
findctxfile	function	**knownvariables**	function
finders	data table	**load**	function
findfile	function	**loadbinfile**	function
findfiles	function	**loaders**	data table
findgivenfile	function	**loadlualib**	function
findgivenfiles	function	**loadtexfile**	function

loadtime	function	**resolve**	function
locateformat	function	**savers**	data table
locators	data table	**scandata**	function
luacnffallback	string	**scanfiles**	function
luacnfname	string	**schemes**	table
luacnfspec	string	T cleaners	
luacnfstate	string	F md5	
macros	table	F none	
F convertfile		F strip	
F decodecomment		F cleanname	
F enablecomment		F fetchstring	
F encodecomment		F fetchtable	
F preprocessed		F install	
F processmk		**setdynamic**	function
F processmkli		**setenv**	function
F processmkvi		**setmemstream**	function
F version		**showpath**	function
maxreadlevel	number	**simplescanfiles**	function
methodhandler	function	**splitconfigurationpath**	function
openbinfile	function	**splitexpansions**	function
openers	data table	**splitmethod**	function
openfile	function	**splitpath**	function
opentexfile	function	**stackpath**	function
ownpath	string	**starttiming**	function
popextrapath	function	**stoptiming**	function
poppath	function	**suffixes**	data table
prefixes	data table	**suffixmap**	data table
prependhash	function	**suffixofformat**	function
pushextrapath	function	**texdatablob**	function
pushpath	function	**toppath**	function
registerextrapath	function	**unexpandedpath**	function
registerfile	function	**unexpandedpathlist**	function
registerfilehash	function	**unresolve**	function
registerintrees	function	**updaterelations**	function
registermethod	function	**updatescript**	function
registerzipfile	function	**uselibrary**	function
relations	data table	**usertypes**	data table
renew	function	**usezipfile**	function
renewcache	function	**validatedpath**	function
repath	function	**variable**	function
reset	function	**variableofformat**	function
resetextrapaths	function	**variableofformatorsuffix**	function
resetmemstream	function	**wildcardpattern**	function
resetresolve	function		

sandbox (context)

disablelibraries	function	**possiblepath**	function
disablerunners	function	**redefine**	function
enable	function	**register**	function
filehandlerone	function	**registerbinary**	function
filehandlertwo	function	**registerlibrary**	function
finalizer	function	**registerroot**	function
getrunner	function	**registerrunner**	function
initializer	function	**report**	function
iohandler	function	**setfilenamelogger**	function
logcalls	function	**setlogger**	function
logfiles	function	**setreporter**	function
original	function	**settrace**	function
overload	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
inserters   table
    F nobreakspace_after
    F nobreakspace_before
    F space_after
    F space_before
    F zerowidthspace_after
    F zerowidthspace_before
installdataset   function
installmethod   function
numbertocategory data table
numbertodataset data table
numbertohandler data table
reset   function
set   function
splitters   data table

set (context)

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

sha2 (context)

HASH256	function	**digest512**	function
HASH384	function	**hash256**	function
HASH512	function	**hash384**	function
digest256	function	**hash512**	function
digest384	function		

sio (context)

read2dot14	function	**readfixed2**	function
readbytes	function	**readfixed4**	function
readbytetable	function	**readinteger1**	function
readcardinal1	function	**readinteger2**	function
readcardinal2	function	**readinteger3**	function
readcardinal3	function	**readinteger4**	function
readcardinal4	function	**readintegertable**	function
readcardinaltable	function		

socket (extra lua)

BLOCKSIZE	number	
_DATAGRAMSIZE	number	
_DEBUG	boolean	
_SETSIZE	number	
_SOCKETINVALID	number	
bind	overloaded function	
choose	overloaded function	
connect	function	
connect4	overloaded function	
connect6	overloaded function	
dns	table	
	F getaddrinfo	
	F gethostname	
	F getnameinfo	
	F tohostname	
	F toip	
ftp	table	
	S PASSWORD	
	N TIMEOUT	
	S USER	
	F command	
	F genericform	
	F get	
	F open	
	F put	
gettime	function	
headers	overloaded 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 cookie
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	F request
S proxy-authorization	**newtry** function
S range	**protect** function
S received	**report** function
S received-from-mta	**select** function
S references	**sink** overloaded function
S referer	**sinkt** overloaded table
S remote-mta	F close-when-done
S reply-to	F default
S reporting-mta	F http-chunked
S resent-bcc	F keep-open
S resent-cc	**skip** function
S resent-date	**sleep** function
S resent-from	**smtp** table
S resent-message-id	S DOMAIN
S resent-reply-to	N PORT
S resent-sender	S SERVER
S resent-to	N TIMEOUT
S retry-after	S ZONE
S return-path	F message
S sender	F open
S server	F send
S smtp-remote-recipient	**source** overloaded function
S status	**sourcet** overloaded table
S subject	F by-length
S te	F default
S to	F http-chunked
S trailer	F until-closed
S transfer-encoding	**tcp** function
S upgrade	**tcp4** function
S user-agent	**tcp6** function
S vary	**tp** overloaded table
S via	N TIMEOUT
S warning	F connect
S will-retry-until	**try** overloaded function
S www-authenticate	**udp** function
S x-mailer	**udp4** function
F lower	**udp6** function
F normalize	**url** overloaded table
http overloaded table	F absolute
N TIMEOUT	F build
S USERAGENT	F build_path
F genericform	F escape
F open	F parse

F parse_path

F unescape

sorters (context)

basicsorter	function	B pm	
comparers	table	B uc	
F basic		B zc	
constants	table	B zm	
S defaultdigits		**definitions**	data table
S defaultlanguage		**firstofsplit**	function
S defaultmethod		**packch**	function
N digitsmaximum		**packuc**	function
N digitsoffset		**replacementlist**	function
N ignoredoffset		**setlanguage**	function
N replacementoffset		**sort**	function
T validmethods		**splitters**	table
B ch		F utf	
B mc		**strip**	function
B mm		**tracers**	data table
B pc		**update**	function

statistics (context)

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

status (basic tex)

list   function   **setexitcode**   function
resetmessages function

storage (context)

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

streams (context)

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

string (basic lua)

autodouble	function		**quote**	function
autosingle	function		**quoted**	function
booleanstring	function		**rep**	function
byte	function		**replacenewlines**	function
bytepairs	function		**reverse**	function
bytes	function		**split**	function
bytetable	function		**splitlines**	function
char	function		**splitup**	function
characterpairs	function		**strip**	function
characters	function		**sub**	function
checkedsplit	function		**tformat**	function
collapsespaces	function		**toHEX**	function
containsws	function		**toboolean**	function
count	function		**tobytes**	function
dump	function		**tocontext**	function
escapedpattern	function		**todec**	function
explode	function		**todimen**	function
find	function		**tohex**	function
format	function		**tonodes**	function
formatter	function		**topattern**	function
formatters	function		**totable**	function
fullstrip	function		**toutf**	function
gmatch	function		**tracedchar**	function
gsub	function		**tracedchars**	table
is_boolean	function		**unpack**	function
is_empty	function		**unquote**	function
itself	function		**unquoted**	function
len	function		**upper**	function
limit	function		**utfcharacter**	function
longtostring	function		**utfcharacters**	function
lower	function		**utflength**	function
match	function		**utfpadd**	function
nospaces	function		**utfpadding**	function
nspaces	table		**utfvalue**	function
optionalquoted	function		**utfvalues**	function
pack	function		**valid**	function
packsize	function			

structures (context)

atlocation	function	F next	
blocks	table	F prev	
D collected		F previous	
F define		F raw	
F print		F record	
F save		F reset	
F select		F restart	
F setstate		F restore	
D states		F save	
D tobesaved		F set	
F uservariable		F setlevel	
bookmarks	table	F setoffset	
T extras		F setown	
F get		F setstate	
F mergesections		F setvalue	
F register		T specials	
F reset		F userpage	
F tosections		F subs	
F finalize		D tobesaved	
F flatten		F value	
F installhandler		F way	
F merge		**currentsectionnumber**	function
S method		**descriptions**	table
F overload		**documents**	table
F place		D data	
F register		F initialize	
F setopened		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 pageofinternal	
D data		F prefix	
F define		F prefixlastpage	
F first		F prefixpage	
F get		F simplify	
F last		F title	

F touserdata			F reordered	
inserts	table		T result	
D data			F savedlistnumber	
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 check_spacing	
F number			F checkpagechange	
D ordered			F define	
F page			F doifonsamepageasprevious	
F popnesting			F get	
F prefix			F getdeltapage	
F prefixednumber			F getinternal	
F prefixedpage			F getn	
F process			F getstate	
D pushed			F hascontent	
F pushnesting			F internal	
F realpage			F internalid	

previous 131 next

F	save	F	resetshown
T	sectionblockdata	F	resetused
T	bodypart	F	sort
S	bookmark	F	synonym
F	set	D	tobesaved
F	setblock		
F	setchecker	**tags**	table
F	setentry	F	current
F	setinitialblock	F	elementtag
F	setlevel	F	finishexport
F	setnumber	F	getextradata
F	showstructure	F	getid
F	structuredata	F	getmetadata
F	title	F	handler
D	tobesaved	F	initializeexport
F	typesetnumber	D	labels
F	userdata	F	last
B	verbose	F	lastinchain
		F	locatedtag
sets	table	T	patterns
F	define	U	splitter
F	get	D	properties
F	getall	F	registerextradata
D	setlist	F	registermetadata
		F	restart
specials	table	F	setaspect
D	collected	F	setattributehash
F	retrieve	F	setcombination
F	store	F	setconstruct
D	tobesaved	F	setfigure
		F	setfloat
synonyms	table	F	setformulacontent
F	analyzed	F	sethighlight
D	collected	F	setitem
F	compare	F	setitemgroup
F	define	F	setlist
F	filter	F	setnotation
F	finalize	F	setnotationsymbol
F	flush	F	setproperty
F	isshown	F	setpublication
F	isused	F	setregister
F	meaning	F	setsorting
F	prepare	F	setsynonym
F	process	F	settablecell
F	register	F	settabulatecell
F	registershown		
F	registerused		

F settagdelimitedsymbol

F settagsubsentencesymbol

F setupexport

F setuserproperties

D specifications

F start

F stop

F strip

D taglist

T usewithcare

  T images

table (basic lua)

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

tex (basic tex)

attribute	table	**getdimen**	function
badness	function	**getglue**	function
box	table	**getglyphdata**	function
boxresources	table	**getlccode**	function
F getbox		**getlist**	function
F getdimensions		**getlocallevel**	function
F save		**getmath**	function
F use		**getmathcode**	function
catcode	table	**getmathcodes**	function
conditionals	data table	**getmuglue**	function
constants	data table	**getmuskip**	function
count	table	**getnest**	function
cprint	function	**getpagestate**	function
ctdcatcodes	number	**getsfcode**	function
ctxcatcodes	number	**getskip**	function
definefont	function	**gettoks**	function
delcode	table	**getuccode**	function
dimen	table	**glue**	table
directives	data table	**hashtokens**	function
enableprimitives	function	**ifs**	data table
error	function	**inicatcodes**	number
extraprimitives	function	**init_rand**	function
finish	function	**isattribute**	function
fontidentifier	function	**isbox**	function
fontname	function	**iscount**	overloaded function
force_synctex_line	function	**isdefined**	function
force_synctex_tag	function	**isdimen**	overloaded function
forcehmode	function	**isglue**	function
fprint	function	**ismuglue**	function
get	function	**ismuskip**	overloaded function
get_synctex_line	function	**isskip**	overloaded function
get_synctex_mode	function	**istoken**	function
get_synctex_tag	function	**istoks**	function
getattribute	function	**lccode**	table
getbox	function	**linebreak**	function
getboxresourcebox	function	**lists**	table
getboxresourcedimensions	function	**lua_math_random**	function
getcatcode	function	**lua_math_randomseed**	function
getcount	function	**luacatcodes**	number
getdelcode	function	**magicconstants**	table
getdelcodes	function	N maxdimen	

N running		**setlist**	function
N trueinch		**setmath**	function
mathcode	table	**setmathcode**	function
modes	data table	**setmuglue**	function
muglue	table	**setmuskip**	function
muskip	table	**setnest**	function
nest	table	**setsfcode**	function
nilcatcodes	number	**setskip**	function
normal_rand	function	**settoks**	function
notcatcodes	number	**setuccode**	function
number	function	**sfcode**	table
primitives	function	**shipout**	function
print	function	**show_context**	function
prtcatcodes	number	**skip**	table
resetparagraph	function	**sp**	function
romannumeral	function	**splitbox**	function
round	function	**sprint**	function
run	function	**systemmodes**	data table
runtoks	function	**takebox**	function
saveboxresource	function	**texcatcodes**	number
scale	function	**toks**	table
scantoks	function	**tpacatcodes**	number
set	function	**tpbcatcodes**	number
set_synctex_line	function	**tprint**	function
set_synctex_mode	function	**trackers**	data table
set_synctex_no_files	function	**triggerbuildpage**	function
set_synctex_tag	function	**txtcatcodes**	number
setattribute	function	**type**	function
setbox	function	**uccode**	table
setcatcode	function	**uniform_rand**	function
setcount	function	**uniformdeviate**	function
setdelcode	function	**uprint**	function
setdimen	function	**useboxresource**	function
setglue	function	**vrbcatcodes**	number
setglyphdata	function	**write**	function
setlccode	function		

texconfig (basic tex)

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

texio (basic tex)

closeinput function
setescape function

write   function
write_nl   function

token (basic tex)

biggest_char	function	**put_next**	function
command_id	function	**scan_argument**	function
commands	function	**scan_code**	function
create	function	**scan_csname**	function
expand	function	**scan_dimen**	function
get_active	function	**scan_float**	function
get_cmdname	function	**scan_glue**	function
get_command	function	**scan_int**	function
get_csname	function	**scan_keyword**	function
get_expandable	function	**scan_keyword_cs**	function
get_id	function	**scan_list**	function
get_index	function	**scan_real**	function
get_macro	function	**scan_string**	function
get_meaning	function	**scan_token**	function
get_mode	function	**scan_toks**	function
get_next	function	**scan_word**	function
get_protected	function	**set_char**	function
get_tok	function	**set_lua**	function
is_defined	function	**set_macro**	function
is_token	function	**type**	function
new	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

cache   table

   U NC
   U NR
   U bf
   U color
   U colordefalc
   U colordefflc
   U colordefflt
   U colordefrlt
   U dofinishreference
   U dostarttext
   U finishjob
   U firstofoneargument
   U firstoftwoarguments
   U gobbleoneargument
   U goto
   U iftrue
   U input

   U loadfoundtypescriptfile
   U resetctxscanner
   U rlap
   U scratchcounter
   U scratchdimen
   U scratchmuskip
   U scratchskip
   U scratchtoken
   U secondoftwoarguments
   U setfalsevalue
   U setsectionblock
   U setupsystem
   U startcolumns
   U starttabulate
   U starttitle
   U startxtitle
   U stopcolumns
   U stoptabulate
   U stoptitle
   U stopxtitle
   U texsetup
   U xmlw

collectors   table

   T data
   F defaultwords
   F dowithwords
   F flush
   F install
   F register
   T registered
   F show
   F test

commands   data table
compile   function
constant   function
converters   table

   S toboolean
   S todimen
   S toglue
   S tonumber
   S tostring

create	function			F	list
defined	function			F	lxmlid
egroup	userdata			F	number
getters	table			F	real
	F	box		F	scanclose
	F	count		F	scanopen
	F	dimen		F	skip
	F	glue		F	string
	F	macro		F	table
	F	meaning		F	token
	F	skip		F	tokens
	F	token		F	toks
hbox	userdata			F	verbatim
isdefined	function			F	whd
istoken	function			F	word
letter	function		**setters**	table
letters	function			F	box
new	function			F	char
other	function			F	count
pickup	function			F	dimen
presets	table			F	glue
	T	1 string		F	lua
	T	2 strings		F	macro
	T	3 strings		F	skip
	T	4 strings		**shortcuts**	table
	T	5 strings			T	bits
	T	6 strings			N	active
	T	7 strings			N	alignment
	T	8 strings			N	begingroup
printlist	function			N	character
scanners	table			N	close
	F	argument			N	comment
	F	boolean			N	endgroup
	F	code			N	endofline
	F	conditional			N	escape
	F	count			N	ignore
	F	csname			N	invalid
	F	dimen			N	letter
	F	dimension			N	mathshift
	F	float			N	open
	F	glue			N	other
	F	integer			N	parameter
	F	keyword			N	space
	F	keywordcs			N	subscript

N superscript

N whitespace

N close

F inspect

N open

F report

F scanargument

F scanboolean

F scanclose

F scancode

F scanconditional

F scancsname

F scandimen

F scandimension

F scaninteger

F scankeyword

F scankeywordcs

F scanlist

T scanners

  F argument

  F boolean

  F code

  F conditional

  F count

  F csname

  F dimen

  F dimension

  F float

  F glue

  F integer

  F keyword

  F keywordcs

  F list

  F lxmlid

  F number

  F real

  F scanclose

  F scanopen

  F skip

  F string

  F table

  F token

  F tokens

  F toks

F verbatim

F whd

F word

F scannumber

F scanopen

F scanstring

F scantable

F scanverbatim

F scanword

F toboolean

F todimen

T tokens

  F astable

  U bgroup

  T cache

    U NC

    U NR

    U bf

    U color

    U colordefalc

    U colordefflc

    U colordefflt

    U colordefrlt

    U dofinishreference

    U dostarttext

    U finishjob

    U firstofoneargument

    U firstoftwoarguments

    U gobbleoneargument

    U goto

    U iftrue

    U input

    U loadfoundtypescriptfile

    U resetctxscanner

    U rlap

    U scratchcounter

    U scratchdimen

    U scratchmuskip

    U scratchskip

    U scratchtoken

    U secondoftwoarguments

    U setfalsevalue

    U setsectionblock

    U setupsystem

U startcolumns	F new
U starttabulate	F other
U starttitle	F pickup
U startxtitle	T presets
U stopcolumns	F printlist
U stoptabulate	T setters
U stoptitle	F box
U stopxtitle	F char
U texsetup	F count
U xmlw	F dimen
T collectors	F glue
F defaultwords	F lua
F dowithwords	F macro
F flush	F skip
F install	T shortcuts
F register	N close
F show	F inspect
F test	N open
D commands	F report
F compile	F scanargument
F constant	F scanboolean
T converters	F scanclose
S toboolean	F scancode
S todimen	F scanconditional
S toglue	F scancsname
S tonumber	F scandimen
S tostring	F scandimension
F create	F scaninteger
F defined	F scankeyword
U egroup	F scankeywordcs
T getters	F scanlist
F box	F scannumber
F count	F scanopen
F dimen	F scanstring
F glue	F scantable
F macro	F scanverbatim
F meaning	F scanword
F skip	F toboolean
F token	F todimen
U hbox	F tonumber
F isdefined	F tostring
F istoken	U vbox
F letter	U vtop
F letters	F tonumber

F tostring **vtop** userdata

vbox userdata

tracers (context)

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

trackers (context)

data	data table	**name**	string
default	function	**register**	function
disable	function	**report**	function
done	table	**reset**	function
dumphashtofile	function	**savehash**	function
enable	function	**show**	function
list	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
fontkerns   table
    F handler
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 enablemath
    F enabletext
    F forcevariant
    F handler
    F reset
    F set

kerns table

D factors

F handler

F keepligature

D mapping

F set

manipulators table

F apply

F applyspecification

T methods

  F Word

  F Words

  F abbreviatedjournal

  F expandedjournal

  F lowercase

  F stripperiod

  F uppercase

T patterns

U list

U pair

F splitspecification

margins table

F finalhandler

F globalhandler

F localhandler

F save

marksuspects function

paragraphs table

F addanchortoline

F addtoline

F calculatedelta

F checkline

F handler

F moveinline

F normalize

F set

periodkerns table

D factors

F handler

D mapping

F set

processors table

F apply

F register

F reset

F split

F startapply

F stopapply

F stripped

F tostring

rubies table

F attach

F check

showsuspects function

spacings table

F define

F handler

D mapping

T numbers

  T frenchpunctuation

    T characters

    S name

    N number

F reset

F set

F setup

wrappers table

F handler

xtables table

F cleanup

F construct

F create

F finish_row

F flush

F initialize_construct

F initialize_reflow_height

F initialize_reflow_width

F next_row

F reflow_height

F reflow_width

F set_construct

F set_reflow_height

F set_reflow_width

updaters (context)

apply   function
register function

url (context)

addscheme	function	**hashed**	function
barepath	function	**hasscheme**	function
construct	function	**query**	function
decode	function	**split**	function
encode	function	**toquery**	function
escape	function	**unescape**	function
filename	function	**unescapeget**	function

utf8 (context)

char	function	**codes**	function
charpattern	string	**len**	function
codepoint	function	**offset**	function

utilities (context)

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

files   table
- F close
- F getposition
- F getsize
- F look
- F open
- F read2dot14
- F readbyte
- F readbytes
- F readbytetable
- F readcardinal
- F readcardinal1
- F readcardinal2
- F readcardinal2le
- F readcardinal3
- F readcardinal3le
- F readcardinal4
- F readcardinal4le
- F readcardinaltable
- F readchar
- F readfixed2
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger2
- F readinteger2le
- F readinteger3
- F readinteger3le
- F readinteger4
- F readinteger4le
- F readintegertable
- F readsignedbyte
- F readstring
- F readtag
- F setposition

- F size
- F skip
- F skiplong
- F skipposition
- F skipshort
- F writebyte
- F writecardinal2
- F writecardinal2le
- F writecardinal4
- F writecardinal4le
- F writestring

formatters   table
- F formatcolumns
- F list
- F stripzeros

garbagecollector   table
- F check
- N criterium
- B enabled

lua   table
- B alwaysstripcode
- F checkmemory
- F compile
- F loadedluacode
- F loadstring
- F loadstripped
- N nofstrippedbytes
- N nofstrippedchunks
- F registerfinalizer
- B stripcode
- T strippedchunks
- F strippedloadstring
- T suffixes
  - S lua
  - S luc
  - S lui
  - S luj
  - S luv
  - S tma
  - S tmc
  - S tua

packers   table

- S tuc
- 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
- T hashes
  - T settings_to_set
    - T min,max,fit,broad,auto
      - B auto
      - B broad
      - B fit
      - B max
      - B min
    - T modern,latin-modern
      - B latin-modern
      - B modern
    - T modern,latin-modern,modern-variable,latin-modern-variable,modern-condensed,latin-modern-condensed
      - B latin-modern
      - B latin-modern-condensed
      - B latin-modern-variable
      - B modern
      - B modern-condensed
      - B modern-variable
    - T modern,latin-modern-designsize,latin-modern
      - B latin-modern
      - B latin-modern-designsize
      - B modern
    - T modern,modern-base
      - B modern
      - B modern-base
    - T modern-condensed,latin-modern-condensed-designsize,latin-modern-condensed,modern-light-condensed,latin-modern-light-condensed
      - B latin-modern-condensed
      - B latin-modern-condensed-designsize
      - B latin-modern-light-condensed
      - B modern-condensed
      - B modern-light-condensed
    - T modern-light,latin-modern-light-designsize,latin-modern-light
      - B latin-modern-light
      - B latin-modern-light-designsize
      - B modern-light
    - T modern-mono,modern-base-mono
      - B modern-base-mono
      - B modern-mono
    - T modern-variable,latin-modern-variable-designsize,latin-modern-variable
      - B latin-modern-variable
      - B latin-modern-variable-designsize
      - B modern-variable
    - T modernvariable,modern-variable
      - B modern-variable
      - B modernvariable
    - T modernvariablelight,modern-variable-light
      - B modern-variable-light
      - B modernvariablelight
    - T serif,sans,mono
      - B mono
      - B sans
      - B serif
    - T text,hidden,paper,page,leftpage,rightpage
      - B hidden
      - B leftpage
      - B paper
      - B rightpage
      - B text
- F iterator
- F keq_to_hash
- F listitem
- F make_settings_to_hash_pattern
- F mergehashes
- F options_to_array
- F options_to_hash
- T patterns
  - U settings_to_array
  - U settings_to_hash_a
  - U settings_to_hash_c

U settings_to_hash_d

U unittotex

F process_stripped_settings

F rfc4180splitter

F runtime

F settings_to_array

F settings_to_array_obey_fences

F settings_to_array_with_repeat

F settings_to_hash

F settings_to_hash_colon_too

F settings_to_hash_strict

F settings_to_hash_tolerant

F settings_to_numbers

F settings_to_set

F simple_hash_to_string

F splitmethod

F splitthousands

F stepper

F stripped_settings_to_array

F totime

F unittotex

F unittoxml

randomizer   table

F get

F getnumber

F getseed

F popseed

F pushseed

F reuseseed

F setseed

F setseedi

report   function

sequencers   table

F appendaction

F appendgroup

F compile

F disableaction

F disablegroup

F enableaction

F enablegroup

D functions

F localize

F new

F nodeprocessor

F prependaction

F prependgroup

F removeaction

F replaceaction

F setkind

F tostring

setters   table

F disable

F enable

F initialize

F list

F new

F register

F report

F reset

F show

stacker   table

F new

storage   table

F allocate

F checked

F mark

F marked

F setinitializer

F sparse

streams   table

F close

F getposition

F getstring

F look

F open

F openstring

F read2dot14

F read2dot4

F readbyte

F readbytes

F readbytetable

F readcardinal

F readcardinal1

F readcardinal2

F readcardinal2le

F readcardinal3

F readcardinal3le

F readcardinal4

| F readcardinal4le |
| F readcardinaltable |
| F readchar |
| F readfixed2 |
| F readfixed4 |
| F readinteger |
| F readinteger1 |
| F readinteger2 |
| F readinteger2le |
| F readinteger3 |
| F readinteger3le |
| F readinteger4 |
| F readinteger4le |
| F readintegertable |
| F readsignedbyte |
| F readstring |
| F setposition |
| F size |
| F skip |
| F skipbytes |
| F skiplong |
| F skipshort |

strings   table
| F collapse |
| F collapsecrlf |
| T formatters |
| F add |
| F new |
| F newcollector |
| F newrepeater |

| F nice |
| T striplinepatterns |
| U collapse |
| U prune |
| U prune and collapse |
| U prune and no empty |
| U prune and to space |
| 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	**pdf**	function
down	function	**pop**	function
fontid	function	**push**	function
image	function	**right**	function
node	function	**rule**	function
nop	function	**special**	function

visualizers (context)

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

xml (context)

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

F undefined		F chainattribute	
F upper		F count	
fillin	function	F default	
filter	function	F elements	
finalizers	table	F empty	
F paragraphs		F first	
T tex		F function	
F all		F index	
F attribute		F last	
F chainattribute		F lowerall	
F chainpath		F match	
F command		F name	
F concat		F position	
F concatrange		F reverse	
F context		F table	
F count		F tag	
F ctxtext		F tags	
F default		F text	
F first		F texts	
F function		F upperall	
F index		**first**	function
F last		**found**	function
F lettered		**functions**	table
F lower		F classes	
F lowerall		F hasclass	
F match		**getbuffer**	function
F name		**gethandlers**	function
F param		**gethandlersfunction**	function
F parameter		**helpers**	table
F position		F recursetext	
F reverse		**include**	function
F stripped		**inclusion**	function
F tag		**inclusions**	function
F tags		**index**	function
F text		**inheritedconvert**	function
F upper		**inject**	function
F upperall		**inject_element**	function
F xml		**inject_element_after**	function
T xml		**inject_element_before**	function
F all		**injectafter**	function
F att		**injectbefore**	function
F attribute		**insert**	function
F attributes		**insert_element**	function
F cdata		**insert_element_after**	function

insert_element_before	~~function~~	**registerns**	function
insertafter	function	**reindex**	function
insertbefore	function	**remap_name**	~~function~~
insertcdata	function	**remap_namespace**	~~function~~
insertcomment	function	**remap_tag**	~~function~~
inspect	function	**remapname**	function
is_valid	function	**remapnamespace**	function
kind	function	**remaptag**	function
last	function	**rename**	function
lastmatch	function	**renamespace**	function
load	function	**reparsedentitylpeg**	userdata
lpath	function	**replace**	function
lpathcached	function	**replace_element**	~~function~~
lpathcalls	function	**resetinjectors**	function
lshow	function	**resolvens**	function
makestandalone	function	**root**	function
match	function	**save**	function
name	function	**selection**	function
newhandlers	function	**separate**	function
nodesettostring	function	**serialize**	function
originalload	function	**serializetotext**	function
package	function	**setcdata**	function
parent	function	**setcomment**	function
parsedentitylpeg	userdata	**sethandlersfunction**	function
pihandlers	table	**setinjectors**	function
F injector		**setproperty**	function
F tex		**settings**	function
placeholders	table	**specialcodes**	table
F unknown_any_entity		S "	
F unknown_dec_entity		S #	
F unknown_hex_entity		S $	
popmatch	function	S %	
position	function	S &	
privatecodes	table	S '	
privatetoken	function	S <	
process	function	S >	
process_attributes	~~function~~	S \	
process_elements	~~function~~	S {	
processattributes	function	S |	
profiled	table	S }	
pure	function	S ~	
pushmatch	function	**specialhandler**	table
raw	function	**sprint**	function
registerentity	function	**string**	function

strip	function	**toxml**	function
~~**strip_whitespace**~~	~~function~~	**tprint**	function
stripelement	function	**traverse**	function
stripleadingspaces	function	**unescaped**	function
table	function	**unescapedentitylpeg**	userdata
text	function	**unprivatized**	function
textonly	function	**unspecialized**	function
texttocdata	function	**withelement**	function
tocdata	function	**withelements**	function
toelement	function	**wrap**	function
tostring	function	**xmlns**	table
totable	function		

zip (extra lua)

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

zlib (extra lua)

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