

MP attributes backends **bit32** blobs boolean
buffers builders caches **callback** callbacks
catcodes characters chemistry chgstrcp
commands containers context converters
coroutine ctxrunner **debug** dir directives
document documentdata drivers environment
experiments ffi figures **file** **fio** floats **font**
fonts functions global graphics **gzip** images
img interactions interfaces **io** job **lang**
language languages layouts **lfs** libraries
lltxplatform 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 texitdefined texmodes texsystemmodes
thirddata **token** tokens tracers trackers
typesetters updaters url userdata **utf8**
utilities vf visualizers xml **xzip** **zip** **zlib**

ConT_EXt MkIV

global (alias: _G)

CONTEXT	number	directives	table
FFISUPPORTED	function	document	table
INITEXMODE	boolean	documentdata	table
JITSUPPORTED	boolean	dofile	function
LUAMAJORVERSION	number	drivers	table
LUAMINORVERSION	number	environment	table
LUATEXCOREVERSION	number	error	function
LUATEXENGINE	string	experiments	table
LUATEXFORMATID	number	ffi	table
LUATEXFUNCTIONALITY	number	ffilib	function
LUATEXVERSION	number	figures	table
LUAVERSION	number	file	table
MP	function	fio	table
arg	table	floats	table
assert	function	font	table
attributes	table	fonts	table
backends	table	functions	table
bit32	table	getmetatable	function
blobs	table	getscriptstatus	function
blockrequire	function	global	table
boolean	table	graphics	table
buffers	table	gzip	table
builders	table	images	table
caches	table	img	table
callback	table	inspect	function
callbacks	table	interactions	table
catcodes	table	interfaces	table
characters	table	io	table
checkimage	function	ipairs	function
chemistry	table	job	table
chgstrcp	table	lang	table
collectgarbage	function	language	table
commands	table	languages	table
containers	table	layouts	table
context	function	lfs	table
converters	table	libraries	table
coroutine	table	lltxplatform	table
ctxrunner	table	lmx	table
debug	table	load	function
dimen	function	loadfile	function
dir	table	loadstring	function

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

utf8	table	xpcall	function
utilities	table	xzip	table
vf	table	zip	table
visualizers	table	zlib	table
xml	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 defineprocesscolordirect

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

T helpers

F complement

F inbetween

F justone

F hsvtogray

F hsvtorgb

F hwbtorgb

F iccprofile

F isblack

F labtorgb

F labtoxyz

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

F rgbtoxyz

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		system	function
D valid		tooverloads	function
F value		transparencies	table
D values		N attribute	
B weightgray		D data	
F xyztolab		F enable	
F xyztorgb		F forcesupport	
define	function	F handler	
effects	table	T names	
N attribute		N color	
D data		N colorburn	
F enable		N colordodge	
F handler		N darken	
F register		N difference	
D registered		N exclusion	
D values		N hardlight	
handlers	table	N hue	
list	data table	N lighten	
markasoverload	function	N luminosity	
names	data table	N multiply	
negatives	table	N none	
N attribute		N normal	
D data		N overlay	
F enable		N saturation	
F handler		N screen	
F register		N softlight	
D registered		N none	
F set		F register	
numbers	data table	D registered	
ofnode	function	B supported	
private	function	F toattribute	
public	function	B triggering	
restore	function	F value	
save	function	D values	
showcurrent	function	unsetvalue	number
states	table	viewerlayers	table
F disabletriggering		N attribute	
F enabletriggering		F cleanup	
F finalize		D data	
F initialize		F define	
F process		F definedlayoutcomponent	
F selective		F enable	
F stacked		F forcesupport	
F stacker		F handler	

B hasorder	F resolve_step
D listwise	D scopes
F register	F setfeatures
D registered	F start
F resolve_begin	F stop
F resolve_end	B supported
F resolve_reset	D values

backends (context)

codeinjections table

F boxresourcedimensions
F registerboxresource
F restoreboxresource

current string

defaults table

T codeinjections
F getpagedimensions
F getpageorigin
F setpagedimensions
F setpageorigin
T nodeinjections
T registrations
D tables

getcallbackstate function

included table

B context
B date
B id
B metadata
B pdf

install function

nodeinjections table

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 getidentityvariable
F getinfo
F getpreviewfigure
F insertrenderingwindow
F maptag
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 registerpattern
F registersymbol
F scanimage
F setattachmentsupport
F setfieldcalculationset
F setfigurealternative
F setfigurecolorspace
F setfiguremask
F setformat
F setformsmethod
F setpagetransition
F settaggingsupport
F setupcanvas
F setupidentity
F setxmpfile
F startlayer

F startunicodetoactualtext	F knockout	
F startunicodetoactualtextdirect	F negative	
F stoplayer	F overprint	
F stopunicodetoactualtext	F positive	
F stopunicodetoactualtextdirect	F reference	
F supportedformats	F rgbcolor	
F unicodetoactualtext	F spotcolor	
F useviewerlayer	F startlayer	
F validfield	F startstackedlayer	
F validfieldcategory	F stoplayer	
F validfieldset	F stopstackedlayer	
F wrapimage	F transparency	
S comment	F typesetfield	
T nodeinjections	T registrations	
F addtags	F cmykindexcolor	
F annotation	F cmykspotcolor	
F attachfile	F getspotcolorreference	
F changestackedlayer	F grayindexcolor	
F cmykcolor	F grayspotcolor	
F comment	F rgbindexcolor	
F destination	F rgbspotcolor	
F effect	F spotcolorname	
F graycolor	F transparency	
F injectbitmap	T tables	
F insertmovie	D vfspecials	
F insertsound	registrations	table
F insertswf	tables	table
F insertu3d	timestamp	function

bit32 (basic lua)

arshift function

band function

bnot function

bor function

btest function

bxor function

extract function

lrotate function

lshift function

replace function

rrotate function

rshift function

blobs (context)

append	function
dimensions	function
dispose	function
new	function
pack	function
strdp	function
strhd	function

strht	function
strwd	function
tohpack	function
tonodes	function
tovpack	function
write	function

boolean (context)

tocontext function

tonumber function

buffers (context)

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

builders (context)

checksidefloat function

kernel table

- F hyphenating
- F hyphenation
- F kerning
- F ligaturing
- F mlisttohlist

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 kepttogether
- 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 checkstrutdepth
- 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

cache (context)

base	string	loadcontent	function
collapsecontent	function	loaddata	function
configfiles	function	more	string
contentstate	function	savecontent	function
defaults	table	savedata	function
getfirstreadablefile	function	setfirstwritablefile	function
getreadablepaths	function	setluanames	function
getwritablepath	function	treehash	function
hashed	function	usedpaths	function
is_writable	function		

callback (basic tex)

find function
list function

register overloaded 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_pdfpage

B finish_synctex

B font_descriptor_objnum_provider

B glyph_info

B glyph_not_found

B glyph_stream_provider

B hpack_filter

B hpack_quality

B hyphenate

B input_level_string

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_order_index

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 provide_charproc_data

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_quality

B vpack_filter

B wrapup_run

catcodes (context)

names data table

numbers data table

register function

characters (context)

activeoffset	number	T after_subscript	
adobename	function	T anudatta	
bidi	data table	T before_half	
blockrange	function	T before_main	
blocks	data table	T before_postscript	
casemap	table	T before_subscript	
categories	data table	T below_mark	
category	function	T consonant	
categorytags	data table	T dependent_vowel	
classifiers	table	T halant	
collapsed	data table	T independent_vowel	
combined	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_hyphenator	data table
F known		is_letter	data table
F resolve		is_mark	data table
emojized	function	is_punctuation	data table
encodes	data table	is_spacing	data table
entities	data table	is_symbol	data table
fallbacks	data table	lcchars	data table
filters	data table	lccode	function
fractions	table	lccodes	data table
fromnumber	function	lettered	function
fschars	data table	lhash	data table
fscodes	data table	linebreaks	data table
getrange	function	lower	function
graphemes	data table	mathlists	data table
hangul	data table	mirrors	table
indigroups	table	otfscripts	data table
T above_mark		private	table
T after_half		ranges	data table
T after_main		registerentities	function
T after_postscript		remap_hangul_syllabe	function

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

chemistry (context)

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

chgstrcp (context)

syscptoutf8 function

utf8tosyscp function

containers (context)

cleanname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

A	function	cn-c	function
A:es	function	convert	function
A:ru	function	decimals	function
A:sl	function	define	function
AK	function	gregorian_to_hebrew	function
Alphabetic	function	gregorian_to_jalali	function
Alphabetic:es	function	hebrewnumerals	function
Alphabetic:ru	function	helpers	table
Alphabetic:sl	function	hexstringtonumber	function
Character	function	i	function
Characters	function	isleapyear	function
I	function	jalali_to_gregorian	function
KA	function	lchexnumber	function
KR	function	lchexnumbers	function
R	function	leapyear	function
RK	function	lower	function
Romannumerals	function	max	function
Russiannumerals	function	maxchrs	function
Sloveniannumerals	function	nicenumber	function
Spanishnumerals	function	nofdays	function
Word	function	number	function
Words	function	numbers	function
a	function	octnumber	function
a:es	function	octstringtonumber	function
a:ru	function	ordinal	function
a:sl	function	r	function
abjadnodotnumerals	function	rawcharacter	function
abjadnumerals	function	romannumerals	function
alphabetic	function	russiannumerals	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	tohebrew	function
chrs	function	toroman	function
cn	function	totime	function
cn-a	function	uchexnumber	function

uchexnumbers

upper

verbose

D data

function

function

table

F translate

weekday

word

words

function

function

function

coroutine (basic lua)

create function
isyieldable function
resume function
running function

status function
wrap function
yield function

ctxrunner (context)

load	function	prepfiles	data table
preparedfile	function	resolve	function

debug (basic lua)

getinfo function

sethook function

traceback function

dir (context)

collectpattern	function
current	function
expandname	function
found	function
glob	function
globdirs	function
globfiles	function

globpattern	function
ls	function
makedirs	function
mkdirs	function
pop	function
push	function

directives (context)

data	data table
default	function
disable	function
done	table
enable	function
list	function
name	string

register	function
report	function
reset	function
show	function
value	function
values	function

document (context)

arguments	data table		D modes	
files	table		D modules	
functions	table	setargument		function
getargument	function	setcommandline		function
getfilename	function	setdefaultargument		function
options	table	setenvironments		function
T commandline		setfilename		function
D environments		setfilenames		function
D modes		setmodes		function
D modules		setmodules		function
T ctxfile		variables		data table
D environments				

documentdata (context)

variable function

drivers (context)

convert	function	F prepare	
converters	table	T flushers	
F engine		S name	
enable	function	T none	
helpers	table	T actions	
F tomatrix		T flushers	
install	function	S name	
instances	table	T pdf	
T default		T actions	
T actions		F convert	
F convert		F outputfilename	
F outputfilename		F prepare	
T flushers		T flushers	
S name		S name	
T empty		lmtxversion	number
T actions		outputfilename	function
F convert		report	function

environment (context)

argument	function	luafile	function
arguments	data table	luafilechunk	function
basicengines	data table	luatexengine	string
currentrun	number	luatexfunctionality	number
default_texmfcnf	string	luatexversion	number
definefilefallback	function	maxnofruns	number
definefilesynonym	function	oldhome	string
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	uselua module	function
kindofrun	number	usemodules	function
lmtxmode	boolean	validengines	data table
loadexamodes	function	version	string
loadluafile	function		

experiments (context)

data	data table
default	function
disable	function
enable	function
list	function
name	string

register	function
report	function
reset	function
show	function
value	function
values	function

figures (context)

applyratio	function	B bleed	
badname	function	B crop	
bases	data table	B media	
bitmapimage	function	B none	
boxnumber	number	B trim	
cachepaths	data table	F totable	
check	function	T types	
checkers	data table	N jbig2	
converters	data table	N jp2	
current	function	N jpg	
defaultdepth	number	N memstream	
defaultheight	number	N none	
defaultsearch	boolean	N pdf	
defaultwidth	number	N png	
done	function	N stream	
dummy	function	F wrap	
exists	data table	include	function
exists	function	includers	data table
formats	data table	initialize	function
found	data table	loaded	data table
get	function	localpaths	data table
getinfo	function	magics	data table
getpdfinfo	function	mergegoodies	function
getrealpage	function	nofmissing	number
guess	function	nofprocessed	number
guessfromstring	function	order	data table
hash	function	paths	data table
identifiers	data table	patterns	data table
identify	function	pop	function
images	table	preferquality	boolean
F check		programs	data table
F checksize		push	function
F copy		registerpattern	function
F create		registerresource	function
F embed		registersuffix	function
T keys		remappers	data table
F print		resources	data table
F scan		scale	function
F serialize		set	function
T sizes		setlookups	function
B art		setmemstream	function

setorder
setpaths

function
function

suffixes
used

data table
data table

file (basic lua)

addsuffix	function
basename	function
checksum	function
collapsepath	function
copy	function
dirname	function
expandname	function
extname	function
is_qualified_path	function
is_readable	function
is_rootbased_path	function
is_writable	function
isreadable	function
iswritable	function
join	function
joinpath	function
loadchecksum	function
nameonly	function
nametotable	function
needs Updating	function

needsupdating	function
pathpart	function
readdata	function
removesuffix	function
replacesuffix	function
reslash	function
robustname	function
savechecksum	function
savedata	function
size	function
splitbase	function
splitname	function
splitpath	function
strip	function
suffix	function
suffixes	function
suffixesonly	function
suffixonly	function
syncmtimes	function
withinbase	function

fio (extra lua)

getposition	function
read2dot14	function
readbytes	function
readbytetable	function
readcardinal1	function
readcardinal1le	function
readcardinal2	function
readcardinal2le	function
readcardinal3	function
readcardinal3le	function
readcardinal4	function
readcardinal4le	function
readcardinaltable	function
readfixed2	function

readfixed4	function
readinteger1	function
readinteger1le	function
readinteger2	function
readinteger2le	function
readinteger3	function
readinteger3le	function
readinteger4	function
readinteger4le	function
readintegertable	function
readline	function
setposition	function
skipposition	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
getcopy	function	setexpansion	function
getfont	overloaded function	setfont	function
getparameters	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 cleanupable

- 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
- B fixprotrusion
- F getfeatureaction
- F getmathparameter

F getprivate	F featuresinitializer
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 txtfirststate
F pair	F load
F single	F loadoutlinedata
F substitution	F loadstreamdata
F register	F modeinitializer
S stepkey	D mpscache
F dataset	D pdfcache
F datasetpositionprocessor	F plugininitializer
S defaultbasealternate	F pluginprocessor
S defaultnodealternate	T plugins
D features	T text

T png	F context
F topdf	F extension
D pngcache	F ligature
B pngenabled	F multiple
T readers	F reversechainedcontextsingle
F addunicodetable	F single
F avar	F gvar
F cbdt	F head
F cblc	T helpers
F cff	F axistofactors
F cff2	F cleannname
F cffcheck	F getaxisscale
T cffencoder	F getfactors
F checkhash	F getscales
F cmap	F gotodatatable
F colr	F normalizedaxis
F compact	T normalizedaxisishash
F condense	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 open
F read2dot14
F readbyte
F readbytes
F readbytetable
F readcardinal
F readcardinal1
F readcardinal1le
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 readinteger1le
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
F stripredundant

F svg
N tableversion
F unifymissing
F unpack
F vhea
F vmtx
F vorg
F vvar
F woff2otf
F registerpalette
F registerplugin
F reorderlookups
F scriptandlanguage
F setdynamics
F setfeatures
T statistics
D usedfeatures
F storepdfdata
T svg
F filterglyph
F topdf
D svgcache
B svgenabled
T tables
D baselines
D features
D featuretypes
D languages
D scripts
F texthandler
T vectors
T arab
T gpos
N curs
N kern
N mark
N mkmk
T gsub
N calt
N ccmp
N cswh
N dlig
N fina
N init

N isol	S ascender
N liga	S descender
N medi	S designsize
N mset	T expansion
N rclt	S auto
N rlig	S shrink
N version	S step
T pfb	S stretch
F loadvector	S extendfactor
T tfm	S factor
D cache	S hfactor
D features	S mathsize
N maxnestingdepth	S mode
N maxnestingsize	T protrusion
T readers	S auto
F loadpk	S quad
F loadtfm	S scaledpoints
F loadtfmvf	S scriptpercentage
F loadvf	S scriptscriptpercentage
F pktopdf	S size
F showpk	S slantfactor
F reencode	S slantperpoint
F setfeatures	T spacing
N version	S extra
T vf	S shrink
T combinations	S stretch
F combine	S width
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 encodingbytes
 S filename
 S finalized
 S fontname
 S format
 S fullname
 S hasitalics
 S hasmath
 S mathitalics
 S mode
 S name
 S nostackmath
 S psname
 S textitalics
 S virtualized
 D loadedfonts
 S namemode
 N noffontsloaded
 N nofsharedfonts
 N nofsharedhashes
 N nofsharedvectors
 N privateoffset
 D privateslots
 F readanddefine
 F registerfeature
 F resetfeature
 B resolvevirtualtoo
 F scale
 F scaled
 F setfactor
 F setfeature
 F setmathparameter
 F setname
 B sharefonts
 F trytosharefont
 N version

current function
currentid function
definers table

F addlookup
 F analyze
 F applypostprocessors
 F checkedmode
 F checkedscript

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

definetypface function
encodings table

T agl
 D ctxcodes
 D extras
 D names
 D synonyms
 D unicodes
 D cache
 F is_known
 D known
 F load
 F make_unicode_vector
 D math
 N version

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

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 bigslots
T kerns
T parameters
N AccentBaseDepth
N FractionRuleThickness
N NoLimitSubFactor
N NoLimitSupFactor
T tweaks
T aftercopying
S name
S version
D designsizes
D filenames
F getcompositions
T list
F load
F prepare_features
F register
F registerpostprocessor
F report
T suffixes

handlers	table
T typethree	
F register	
hashes	table
D characters	
D classes	
D csnames	
D descriptions	
D dynamics	
D emwidths	
D exheights	
D extensibles	
D features	
D identifiers	
D italics	
D lastmathids	
D marks	
D mathparameters	
D modes	
D originals	
D parameters	
T processes	
D properties	
D quads	
D resources	
T setdynamics	
T shapes	
D spaces	
D spacings	
T streams	
D unicodes	
D unislots	
D variants	
D xheights	

helpers	table
F addextraprivate	
F addprivate	
F appendcommands	
F appendcommandtable	
F checkflags	
F checkmerge	
F checksteps	
F collectanchors	
D commands	

- F descriptiontoslot
- F dimenfactor
- F expandglyph
- T extraprivates
- F fontpatternhassize
- F getcoloredglyphs
- F getdigitwidth
- F getinstancespec
- F getparameters
- F getprivatecharornode
- F getprivatenode
- F getprivates
- F getprivateslot
- F hasprivate
- F indextoslot
- F mathscriptslots
- F name
- F nametoslot
- F newprivateslot
- F prependcommands
- F prependcommandtable
- F privateslot
- F setdigitwidth
- F splitfontpattern
- F tochar

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
- F userdata
- specifiers** table
 - D contextmerged

- F contextnumber
- D contextnumbers
- D contextsetups
- F contexttostring
- F definecontext
- F mergecontext
- F presetcontext
- F registercontext
- F showcontext
- F splitcontext
- D synonyms
- D variants
- symbols** table
 - T emoji
 - F checked
 - F resolved
 - F uselibrary
- tables** table
 - D data
 - F savefont
 - F saveoriginal
- tracers** table
- treatments** table
 - F applyfixes
 - D data
 - S filename
 - F ignoredfile
 - F report
 - F trace
- 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
compress	function
compressed	function
decompress	function
lines	function

load	function
open	function
save	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 setcloseddocument

F setclosepage

F setopendocument

F setopenpage

renderings data table

soundclips data table

interfaces (context)

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

io (basic lua)

ask	function	output	overloaded function
bytes	function	pathseparator	string
characters	function	popen	overloaded function
close	function	read	function
copydata	function	readall	function
exists	function	readnumber	function
fileseparator	string	readstring	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
newreader	function	type	function
noflines	function	write	function
open	overloaded function		

job (context)

comment	function	D tobesaved	
datasets	table	passes	table
D collected		F check	
F extend		D collected	
F getdata		F count	
F setdata		F define	
D tobesaved		F find	
disablesave	function	F first	
embedded	table	F get	
D collected		F getcollected	
D tobesaved		F getdata	
fileobjreferences	table	F getfield	
D collected		F gettobesaved	
D tobesaved		F inlist	
files	table	F last	
D collected		F list	
F context		F save	
B forcerun		F savetagged	
F run		D tobesaved	
D tobesaved		positions	table
getrandomseed	function	F b_column	
initialize	function	F b_region	
load	function	F c	
loadother	function	D collected	
objects	table	F column	
D collected		F columnofpos	
F get		F copy	
F number		F depth	
F page		F e_column	
F save		F e_region	
F set		F enhance	
D tobesaved		F extra	
pack	boolean	F get	
packversion	number	F getfree	
pagestates	table	F gethpos	
D collected		F getpos	
F countervalue		F getreserved	
F extend		F getrpos	
F realpage		F gettobesaved	
F realpageorder		F getvpos	
F setstate		F hangafter	

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

lang (basic tex)

clean	function
clear_hyphenation	function
clear_patterns	function
gethjcode	function
hyphenate	function
hyphenation	function
hyphenationmin	function
id	function

new	function
patterns	function
postexhyphenchar	function
posthyphenchar	function
preexhyphenchar	function
prehyphenchar	function
sethjcode	function

language (basic tex)

clean	function
clear_hyphenation	function
clear_patterns	function
gethjcode	function
hyphenate	function
hyphenation	function
hyphenationmin	function
id	function

new	function
patterns	function
postexhyphenchar	function
posthyphenchar	function
preexhyphenchar	function
prehyphenchar	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
explicitthyphen	function	logger	table
flatten	function	F report	
frequencies	table	nofflatten	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		transliteration	table
F popmethod		F define	
F pushmethod		F handler	
F setmethod		F set	
F setup		unload	function
F showhyphenationtrace		urls	table
T traditional		D characters	
F definefeatures		N lefthyphenmin	
F gettrace		D mapping	
F hyphenate		B packslashes	
F injecthyphens		N righthyphenmin	
F installmethod		F setcharacters	
F lasttrace		version	number
F loadpatterns		visualizediscretionaries	function
F registerexception		words	table

F check
T data
F disable
F enable
T enablers

B enables
F found
F load
T methods
N threshold

layouts (context)

status	table	F leftorrightpageaction
	F isleftpage	

lfs (extra lua)

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

libraries (context)

basiclua data table
basictex data table
builtin data table
extralua data table

extratex data table
functions data table
globals data table

lltxplatform (context)

get_inactive_fonts function

get_installed_fonts function

lmx (context)

color	function
convert	function
convertfile	function
convertstring	function
einject	function
eprint	function
escape	function
finalized	function
finject	function
fprint	function
get	function
getvariables	function
htmfile	function
html	table
F a	
F td	
F th	
include	function
inherited	table
S color-background-four	
S color-background-one	
S color-background-three	
S color-background-two	
S title	
initialize	function
inject	function
lmxfile	function

loadedfile	function
make	function
new	function
overloaderror	function
popupfile	function
print	function
pv	function
report	function
reset	function
result	function
set	function
show	function
showerror	function
stripcss	function
tv	function
type	function
urlescape	function
variable	function
variables	table
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	setformatters	function
categories	function	setlogfile	function
direct	function	setmessenger	function
disable	function	setprocessor	function
enable	function	settarget	function
finalactions	function	settimedlog	function
flush	function	settranslations	function
loggingerrors	function	show	function
messenger	function	start_page_number	function
new	function	starterrorlogging	function
newline	function	startfilelogging	function
poptarget	function	status	function
private	table	stop_page_number	function
F enablepagetiming		stoperrorlogging	function
F getpagetiming		stopfilelogging	function
pushtarget	function	subdirect	function
registerfinalactions	function	subreport	function
report	function	texerrormessage	function
reporter	function	writer	function
setformats	function		

lpdf (context)

action	function
adddocumentcolorspace	function
adddocumenttextgstate	function
adddocumentpattern	function
adddocumentshade	function
addtocatalog	function
addtoinfo	function
addtonames	function
addtopageattributes	function
addtopageresources	function
addtopagesattributes	function
addxmpinfo	function
annotationspecification	function
array	function
attachmentsymbols	function
boolean	function
border	function
checkedkey	function
checkedvalue	function
circularshade	function
cmykcode	function
collectedresources	function
color	function
colorspace	function
colorspaceconstants	data table
colorspec	function
colorvalue	function
colorvalues	function
commentsymbols	function
compresslevel	function
constant	function
copyarray	function
copyboolean	function
copyconstant	function
copydictionary	function
copyfloat	function
copyinteger	function
copynumber	function
copystring	function
copyunicode	function
delayedobject	function

destination specification	function
dictionary	function
docstring	function
epdf	table
F analyzefonts	
F contenttotext	
F expanded	
F getpagecontent	
F getstructure	
T image	
F close	
F copy	
F new	
F open	
F query	
F load	
F parsecontent	
F plugin	
T resolvers	
F destinations	
F embeddedfiles	
F javascripts	
F layers	
F pages	
F structure	
F widgets	
F stripcontent	
F unload	
escaped	function
finalizedocument	function
finalizefonts	function
finalizepage	function
finishtransparencycode	function
flags	table
T annotations	
N AutoView	
N Hidden	
N Invisible	
N Locked	
N LockedContents	
N NoRotate	

N NoView		getcatalog	function
N NoZoom		getcompression	function
N Print		getfontname	function
N Printable		getfontobjnumber	function
N ReadOnly		getinfo	function
N ToggleNoView		getmetadata	function
N auto		getpageproperties	function
N hidden		getversion	function
N printable		getxformname	function
T widgets		graycode	function
N Comb		id	function
N CommitOnSelChange		immediateobj	function
N DoNotScroll		includechar	function
N DoNotSpellCheck		includecharlist	function
N Edit		includefont	function
N FileSelect		includeimage	function
N MultiLine		injectxmpinfo	function
N NoExport		insertxmpinfo	function
N NoToggleToOff		layerreference	function
N Password		limited	function
N PopUp		linearshade	function
N PushButton		literal	function
N Radio		majorversion	function
N RadiosInUnison		makenametree	function
N ReadOnly		minorversion	function
N Required		nofpages	function
N RichText		null	function
N Sort		number	function
N file		obj	function
N fixed		objectcompresslevel	function
N nocheck		pagereference	function
N protected		patternstream	function
N readonly		pdfcolor	function
N required		pdftimestamp	function
N sorted		permitdetail	function
N unavailable		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
frompdfdoc	function	registerdocumentfinalizer	function
fromsixteen	function	registerfont	function

registerpagefinalizer	function	shareobject	function
registerpattern	function	shareobjectreference	function
reserveobject	function	spotcode	function
rgbcode	function	stream	function
rotationcm	function	string	function
setcompression	function	toeight	function
setdates	function	topdfdoc	function
setmapfile	function	tosixteen	function
setmapline	function	transparency	function
setomitcharset	function	transparencycode	function
setomitcidset	function	transparencygroups	table
suppressoptionalinfo	function	B none	
settime	function	transparencyvalue	function
settrailerid	function	unicode	function
setversion	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 (context)

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 loaded	
bytedata	data table	F required	
bytedone	table	F reset	
delay	function	F resolvestring	
finalizeinitex	function	F resolving	
firstbytecode	number	F showdefinitions	
flush	function	messages	data table
flushdelayed	function	name	table
get_functions_table	overloaded function	newtable	function
getbytecode	function	numbers	data table
getcalllevel	function	registercode	function
getcodepage	function	registeredcodes	function
getfunctionstable	function	registerinitexfinalizer	function
getluaname	function	registername	function
getstacktop	function	setbytecode	function
lastbytecode	number	setluaname	function
macros	table	startupfile	string
B enabled		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	first	function
all	function	flush	function
applyfunction	function	flushlinewise	function
applyselectors	function	flushsetups	function
att	function	flushspacewise	function
attribute	function	get_id	function
badinclusions	function	getid	function
chainattribute	function	getindex	function
checkindex	function	id	function
collected	function	idsplitter	userdata
command	function	ifatt	function
concat	function	ifattempty	function
concatrange	function	include	function
content	function	inclusion	function
context	function	inclusions	function
convert	function	index	function
count	function	inlineverbatimim	function
delete	function	installsetup	function
depth	function	last	function
direct	function	lastatt	function
directives	table	lastmatch	function
F after		lastpar	function
F before		load	function
F handle		loadbuffer	function
F load		loaddata	function
F setup		loaded	table
displayverbatimim	function	main	function
doif	function	match	function
doifelse	function	name	function
doifelseempty	function	namespace	function
doifelsetext	function	nonspace	function
doifempty	function	par	function
doifnot	function	param	function
doifnotempty	function	parameter	function
doifnottext	function	path	function
doiftext	function	popmatch	function
element	function	pos	function
elements	function	position	function
entities	data table	pure	function
filter	function	pushmatch	function
filterlist	function	raw	function

rawroot	function
rawtex	function
refatt	function
register	function
registerentity	function
removesetup	function
replace	function
resetcdata	function
resetsetups	function
resolvedentity	function
root	function
save	function
serialize	function
setaction	function
setatt	function
setattribute	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setpar	function
setparam	function
setparameter	function
setsetup	function
snippet	function

sorters

F add
F compare
F flush
F reset
F show
F sort

splitid	function
startraw	function
startunesescaped	function
stopraw	function
stopunesescaped	function
store	function
strip	function
stripped	function
tag	function
text	function
tobuffer	function
tofile	function
toparameters	function
toverbatim	function
verbatim	function
withindex	function
xmltexhandler	data table

table

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

md5 (extra lua)

HEX	function
crypt	function
dec	function
decrypt	function
exor	function

hex	function
sum	function
sumHEXA	overloaded function
sumhexa	overloaded function

metapost (context)

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

reset	function	stopgraphic	function
resetlastlog	function	svformat	function
resetplugins	function	sxsy	function
run	function	tex	table
runscript	function	F get	
scripterror	function	F reset	
scriptindex	function	F set	
setbuffer	function	F setfrombuffer	
setextensions	function	texerrors	boolean
setoutercolor	function	texexp	function
settext	function	theclippath	function
setvariable	function	tographic	function
showlog	boolean	totable	function
simple	function	unload	function
splitprescript	function	untagvariable	function
startgraphic	function	variables	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	_get_count_	function
NOfColumns	function	_get_dimen_	function
NOfPages	function	_get_macro_	function
NOfSubPages	function	_get_toks_	function
OnOddPage	function	_set_count_	function
OnRightPage	function	_set_dimen_	function
OuterEdgeDistance	function	_set_global_count_	function
OuterEdgeWidth	function	_set_global_dimen_	function
OuterMarginDistance	function	_set_global_macro_	function

_set_global_toks_	function	direct3	function
_set_macro_	function	direct4	function
_set_toks_	function	disposehash	function
aux	function	draw	function
F boolean		fill	function
F color		flatten	function
F direct		flush	function
F direct1		format	function
F direct2		formatted	function
F direct3		fprint	function
F direct4		fromhash	function
F draw		get	table
F fill		F boolean	
F flush		F integer	
F fprint		F number	
F integer		F numeric	
F number		F path	
F numeric		F string	
F pair		getcount	function
F pairpoints		getdimen	function
F path		getmacro	function
F pathpoints		gettoks	function
F points		graphformat	function
F print		inhash	function
F quadruple		inject	table
F quadruplepoints		integer	function
F quoted		isarray	function
F size		isobject	function
F string		mf_blob_add	function
F transform		mf_blob_dimensions	function
F triplet		mf_blob_index	function
F tripletpoints		mf_blob_new	function
F vprint		mf_blob_raw_content	function
boolean	function	mf_blob_raw_dimensions	function
cleaned	function	mf_blob_raw_reset	function
color	function	mf_blob_raw_toutf	function
dataset	function	mf_blob_raw_wipe	function
datasets	function	mf_blob_size	function
F load		mf_blob_width	function
defaultcolormodel	function	mf_external_figure	function
dimension	function	mf_finish_saving_data	function
direct	function	mf_formatted_text	function
direct1	function	mf_get_outline_text	function
direct2	function	mf_graphic_text	function

mf_inject_blob	function	print	function
mf_made_text	function	F boolean	
mf_map_move	function	F color	
mf_map_text	function	F direct	
mf_named_color	function	F direct1	
mf_outline_text	function	F direct2	
mf_path_left	function	F direct3	
mf_path_length	function	F direct4	
mf_path_point	function	F draw	
mf_path_reset	function	F fill	
mf_path_right	function	F flush	
mf_save_data	function	F fprint	
mf_script_index	function	F integer	
mf_some_text	function	F number	
mf_start_saving_data	function	F numeric	
mf_stop_saving_data	function	F pair	
mf_tb_dimensions	function	F pairpoints	
mf_tt_dimensions	function	F path	
mf_tt_initialize	function	F pathpoints	
mode	function	F points	
n	function	F print	
newhash	function	F quadruple	
number	function	F quadruplepoints	
numeric	function	F quoted	
pair	function	F size	
pairpoints	function	F string	
path	function	F transform	
pathleft	function	F triplet	
pathlength	function	F tripletpoints	
pathpoint	function	F vprint	
pathpoints	function	processingmode	function
pathreset	function	quadruple	function
pathright	function	quadruplepoints	function
points	function	quoted	function
positionanchor	function	report	function
positionbox	function	scan	table
positioncurve	function	set	table
positionpage	function	F path	
positionpath	function	setcount	function
positionpxy	function	setdimen	function
positionregion	function	setglobalcount	function
positionwhd	function	setglobaldimen	function
positionxy	function	setglobalmacro	function
prefix	function	setglobaltoks	function

setmacro	function	texvar	function
settoks	function	tohash	function
size	function	transform	function
skip	table	triplet	function
string	function	tripletpoints	function
systemmode	function	utflen	function
texstr	function	utfsub	function
texttextanchor	function	vprint	function

mplib (extra tex)

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

noads (context)

handlers	table		F resize
F align			F showtree
F alternates			F tags
F autofences			F unscript
F classes			F unstack
F collapse			F variants
F domains		process	function
F families		processnested	function
F fixscripts		processors	table
F italics		F mlisttohtml	
F kernpairs		T unscript	
F makeup		T unstack	
F relocate		processouter	function
F render			

node (basic tex)

check_discretionaries	function	F getglue
check_discretionary	function	F getheight
copy	function	F getid
copy_list	function	F getkern
count	function	F getlang
current_attr	function	F getleader
dimensions	function	F getlist
direct	table	F getnext
F check_discretionaries		F getnucleus
F check_discretionary		F getoffsets
F copy		F getpenalty
F copy_list		F getprev
F count		F getproperty
F current_attr		F getshift
F dimensions		F getsub
F effective_glue		F getsubtype
F end_of_math		F getsup
F find_attribute		F getwhd
F first_glyph		F getwidth
F flatten_discretionaries		F has_attribute
F flush_list		F has_field
F flush_node		F has_glyph
F flush_properties_table		F hpack
F free		F hyphenating
F get_attribute		F insert_after
F get_properties_table		F insert_before
F get_synctex_fields		F is_char
F getattributelist		F is_direct
F getboth		F is_glyph
F getbox		F is_node
F getchar		F is_zero_glue
F getcomponents		F kerning
F getdata		F last_node
F getdepth		F length
F getdir		F ligaturing
F getdirection		F new
F getdisc		F prepend_prevdepth
F getexpansion		F protect_glyph
F getfam		F protect_glyphs
F getfield		F protrusion_skippable
F getfont		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	effective_glue	function
F setdirection	end_of_math	function
F setdisc	family_font	function
F setexpansion	fields	function
F setfam	find_attribute	function
F setfield	first_glyph	function
F setfont	fix_node_lists	function
F setglue	flatten_discretionaries	function
F setheight	flush_list	function
F setkern	flush_node	function
F setlang	flush_properties_table	function
F setleader	free	function
F setlink	get_attribute	function
F setlist	get_properties_table	function
F setnext	getboth	function
F setnucleus	getchar	function
F setoffsets	getdisc	function
F setpenalty	getfield	function
F setprev	getfont	function
F setproperty	getglue	function
F setshift	getid	function
F setsplit	getleader	function
F setsub	getlist	function
F setsubtype	getnext	function
F setsup	getprev	function
F setwhd	getproperty	function
F setwidth	getsubtype	function
F slide	getwhd	function
F tail	has_attribute	function
F todirect	has_field	function
F tonode	has_glyph	function
F toString	hpack	function
F traverse	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
kerneling	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	directionvalues	data table
aligned	function	dirvalues	data table
append	function	disccodes	data table
apply	function	discretionarycodes	data table
applyvisuals	function	effective_glue	function
astable	function	effectiveglue	function
basepoints	function	end_of_math	function
boundarycodes	data table	endofmath	function
boxes	table	fencecodes	data table
F dimensions		fields	function
F direct		fillcodes	data table
F found		find_attribute	function
F reset		findattribute	function
F restore		first_glyph	function
F save		firstcharacter	function
F savenode		firstcharinbox	function
builders	table	firstdirinbox	function
F buildpage_filter		firstglyph	function
F vpack_filter		flattendiscretionaries	function
checkdiscretionaries	function	flush	function
codes	data table	flush_list	function
concat	function	flush_node	function
copy	function	flushlist	function
copy_list	function	flushnode	function
copy_node	function	free	function
copylist	function	fullhpack	function
copynode	function	getattr	function
count	function	getboth	function
countall	function	getbox	function
current_attributes	function	getchar	function
currentattributes	function	getfield	function
delete	function	getfont	function
destinations	table	getglue	function
N attribute		getid	function
T done		getleader	function
F handler		getlist	function
T stack		getnext	function
dimensionfields	data table	getprev	function
dimensions	function	getsubtype	function
dircodes	data table	gluecodes	data table
directioncodes	data table	gluevalues	data table

glyphcodes		F setligaindex	
handlers		F setmark	
F accessibility		F setmove	
F backgrounds		F setposition	
F backgroundspage		F setspacekerns	
F backgroundsvbox		insert_after	function
F characters		insert_before	function
F checkglyphs		insertafter	function
F checkparcounter		insertbefore	function
F cleanupbox		insertlistafter	function
F cleanuppage		installattributehandler	function
F export		is_direct	function
F finalizebox		is_display_math	function
F flatten		is_node	function
F flattenline		is_nut	function
F migrate		isdirect	function
F protectglyphs		isnode	function
F stripping		isnut	function
F textbackgrounds		kerncodes	data table
F unprotectglyphs		kerning	function
has_attribute	function	leftmarginwidth	function
has_field	function	length	function
has_glyph	function	ligaturing	function
hasattribute	function	linefillers	table
hasfield	function	D data	
hasglyph	function	F define	
hpack	function	F enable	
hyphenating	function	F filler	
idsandsubtypes	function	F handler	
idtostring	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

listtoutf	function	F copy_node
literalvalues	data table	F copy_only
locate	function	F copy_properties
margincodes	data table	F copylist
marginkerncodes	data table	F copynode
markers	table	F copyonly
F get		F copyvisual
mathcodes	data table	F count
maxboxwidth	function	F countall
migrations	table	F currentattr
F setinserts		F currentattribute
F setmarks		F delete
mlist_to_hlist	function	F dimensions
mlisttohlist	function	F effective_glue
new	function	F effectiveglue
noadcodes	data table	F end_of_math
noadoptions	table	F endofmath
N axis		F exchange
N exact		F find_attribute
N left		F findattribute
N middle		F findnode
N no_axis		F first_glyph
N right		F firstcharacter
N set		F firstcharinbox
N unused_1		F firstglyph
N unused_2		F flatten_discretionaries
nodecodes	data table	F flattendiscretionaries
nopts	function	F flush
nuts	table	F flush_list
F append		F flush_node
F apply		F flushlist
F applyvisuals		F flushnode
F check_discretionaries		F free
F checkdiscretionaries		F fullhpack
T components		F get_attribute
F copynocomponents		F get_synctex_fields
F copyonlyglyphs		F getattr
F count		F getattribute
F flush		F getattributelist
F get		F getattrlist
F set		F getboth
F concat		F getbox
F copy		F getboxglue
F copy_list		F getchar

F getcomponents	F getwidth
F getdata	F has_attribute
F getdepth	F has_dimensions
F getdir	F has_field
F getdirection	F has_glyph
F getdisc	F hasattribute
F getdiscretionary	F hasdimensions
F getexpansion	F hasfield
F getfam	F hasglyph
F getfield	F hpack
F getfont	F hyphenating
F getglue	F insert_after
F getglyphdata	F insert_before
F getheight	F insertafter
F getid	F insertbefore
F getkern	F insertlistafter
F getlang	F is_direct
F getlanguage	F is_display_math
F getleader	F is_node
F getlist	F is_nut
F getnext	F is_zero_glue
F getnormalizedline	F ischar
F getnucleus	F isdirect
F getoffsets	F isdone
F getoptions	F isglyph
F getorientation	F isnode
F getpenalty	F isnut
F getpost	F iszeroglue
F getpre	F kerning
F getprev	F lastnode
F getprop	F length
F getreplace	F ligaturing
F getruledata	F link
F getscript	F linked
F getshift	F locate
F getstate	F mlist_to_hlist
F getsub	F mlisttohlist
F getsubtype	F nestedtracedslide
F getsup	F new
F getsurround	T pool
F getsyntexfields	F accent
F gettotal	F baselineskip
F getvalue	F boundary
F getwhd	F choice

F cleanup	T stock
F delim	F stretch
F delimiter	F subbox
F direction	F sublist
F directliteral	F temp
F disc	F usage
F emptyrule	T userids
F fence	N margins.inline
F fontkern	N splitters.one
F fraction	N splitters.two
F glue	F usernode
F gluespec	F userrule
F glyph	F vlist
F hlist	F wordboundary
F indentskip	F prepend
F italic kern	F processranges
F kern	F processwords
F latelua	F protect_glyph
F leader	F protect_glyphs
F lefthangskip	F protectglyph
F leftmarginkern	F protectglyphs
F leftskip	F protrusionskipable
F lineskip	F rangedimensions
F literal	F rawprop
F mathchar	F reference
F mathtextchar	F rehpac
F negatedglue	F remove
F noad	F repackhlist
F originliteral	F replace
F outlinerule	T rules
F pageliteral	T ruleactions
F penalty	F box
F radical	F draw
F rawliteral	F fill
F register	F mp
F restore	F stroke
F righthangskip	F userrule
F rightmarginkern	F set_attribute
F rightskip	F setattr
F rule	F setattrtribute
F save	F setattrtributelist
F savepos	F setattrtributes
F setmatrix	F setattrtrlist
F shrink	F setboth

F setbox	F setsyntexfields
F setboxglue	F setunsetattributes
F setchar	F setvalue
F setcomponents	F setvisual
F setdata	F setvisuals
F setdepth	F setwhd
F setdir	F setwidth
F setdirection	F slide
F setdisc	F somepenalty
F setdiscretionary	F somespace
F setexpansion	F splitbox
F setfam	F start_of_par
F setfield	F startofpar
F setfont	F striprange
F setglue	F tail
F setglyphdata	F takeattr
F setheight	F takebox
F setkern	F takelist
F setlang	F theprop
F setlanguage	F tonode
F setleader	F tonodes
F setlink	F tonut
F setlist	F tosequence
F setnext	F toString
F setnucleus	F tracedslide
F setoffsets	F traverse
F setoptions	F traverse_char
F setorientation	F traverse_glyph
F setparproperty	F traverse_id
F setpenalty	F traverse_list
F setpost	F traversesechar
F setpre	F traverseglyph
F setprev	F traverseid
F setprop	F traverselist
F setreplace	T traversers
F setruledata	F boundary
F setscript	F char
F setshift	F dir
F setsplit	F disc
F setstate	F glue
F setsub	F glyph
F setsubtype	F hlist
F setup	F list
F setsurround	F next

F node		F directliteral	
F vlist		F glyph	
F whatsit		F hlist	
T typesetters		F latelua	
F tohbox		F lineskip	
F tohpack		F literal	
F tonodes		F originliteral	
F toinbox		F register	
F tovpack		F restore	
F unprotect_glyph		F save	
F unprotect_glyphs		F savepos	
F unprotectglyph		F setmatrix	
F unprotectglyphs		F special	
F unset_attribute		F usage	
F unsetattribute		F vlist	
F unsetattributes		prepend	function
F untracedslide		print	function
F usedlist		processors	table
F uses_font		F contribute_filter	
F usesfont		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	
parcodes	data table	protect_glyph	function
penaltycodes	data table	protect_glyphs	function
plugindata	table	protectglyph	function
F finalizer		protectglyphs	function
F initializer		protrusion_skippable	function
S name		protrusionskippable	function
T namespace		pts	function
N attribute		radicalcodes	data table
D data		rangedimensions	function
F enable		reference	function
F handler		references	table
F register		N attribute	
D registered		T done	
D values		F handler	
F processor		T stack	
points	function	reheap	function
pool	table	remove	function
F baselineskip		repackhlist	function
F cleanup		replace	function

report	function	F takesample	
rightmarginwidth	function	somepenalty	function
rulecodes	data table	somespace	function
rules	table	splitbox	function
D data		startofpar	function
F define		stripdiscretionaries	function
F enable		stripping	table
F handler		T glyphs	
F userrule		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	
F define		tobasepoints	function
F enable		tocentimeters	function
F handler		tociceros	function
showboxes	function	todidots	function
showcodes	function	todimen	function
showlist	function	toinches	function
showsimplelist	function	tomillimeters	function
skipcodes	data table	tonode	function
skipvalues	data table	tonodes	function
slide	function	tonut	function
snapshots	table	topicas	function
F getparameters		topoints	function
F getsamples		toscaledpoints	function
F resetsamples		tosequence	function

tostring	function	traverse_list	function
totable	function	traversechar	function
totree	function	traverseglyph	function
toutf	function	traverseid	function
tracers	table	traverselist	function
T colors		traversers	table
F reset		F char	
F set		F glyph	
F setlist		F list	
F fontchar		F node	
T frequencies		typesetters	table
F register		F hbox	
T pool		F hpack	
T nodes		F tohbox	
F rule		F tohpack	
T nuts		F tonodes	
F rule		F tovbox	
F resetproperties		F tovpack	
F rule		F vpack	
F setlist		unprotect_glyph	function
F setproperties		unprotect_glyphs	function
F start		unprotectglyph	function
T steppers		unprotectglyphs	function
F check		unset_attribute	function
F codes		unsetattribute	function
F features		unsetattributes	function
F font		usedlist	function
F glyphs		usercodes	data table
F message		uses_font	function
F messages		usesfont	function
F nofsteps		vianodes	function
F register		vianuts	function
F reset		visualizebox	function
F start		visualizers	table
F stop		F attribute	
F stop		T attributes	
T transparencies		F box	
F reset		F handler	
F set		F markfonts	
F setlist		F register	
traverse	function	F setfont	
traverse_char	function	F setlayer	
traverse_glyph	function	F setruledglyph	
traverse_id	function	F setvisual	

vpack	function	write	function
whatcodes	data table		
whatsitcodes	data table		

number (context)

	function	tol6dot16	function
basepoints	function	tobasepoints	function
bytetodecimal	function	tobitstring	function
compactfloat	function	tocentimeters	function
decimaltobyte	function	tociceros	function
dimenfactors	data table	tocontext	function
formatted	function	todidots	function
formattedfloat	function	todimen	function
idiv	function	toevenhex	function
maxdimen	number	toinches	function
nopts	function	tomillimeters	function
nubasepoints	function	tonumberf	function
nupoints	function	tonumberg	function
percent	function	topicsas	function
points	function	topoints	function
pts	function	toscaled	function
signed	function	toscaledpoints	function
sparseexponent	function	valid	function
splitdimen	function		

objects (context)

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

os (basic lua)

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

package (basic lua)

config	string	luapaths	function
cpath	string	path	string
extralibpath	function	poplibpath	function
extralibpaths	function	popluapath	function
extralupath	function	preload	table
extralupaths	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 sethspace
- 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
getcatalag	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

F registerunit

D tables

publications (context)

addtexentry	function	concatstate	function
analyze	function	converttoxml	function
anywhere	function	currentspecification	table
authorcache	data table	S author	
authorcollapsers	data table	T categories	
authorhashers	table	T article	
F invertedshort		S category	
F normal		T extra	
F normalinverted		T fields	
F normalshort		S author	
F sequential		S editor	
F sequentialshort		S journal	
F short		S keywords	
authormap	data table	S note	
authortoregister	function	S number	
btx	table	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	

T required	S page	
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	

F load		F json	
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		oneorange	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 authortitle	
F reference		T sequence	
F short		T authoryear	
F used		T sequence	
F uservariable		specifications	table
listvariants	table	T default	
F default		S author	
F index		S comment	
F num		S copyright	
F short		S name	
F tag		S version	
load	function	D virtual	
loadbibdata	function	splitauthor	function
loaddefinitionfile	function	splitoneauthor	function
loaders	table	statistics	table
F bbl		N nofbytes	
F bib		N nofdatasets	
F buffer		N nofdefinitions	
F endnote		N nofshortcuts	

tables

D implicits
D origins
D privates
D sets
D specials
D types
D virtuals

table**tags****function****tracers****table**

F showdatasetauthors
F showdatasetcompleteness
F showdatasetfields
F showentry

F showfields

F showhashedauthors

F showtables

F showvariants

typesetters**table**

F author

F string

usedataset**function****usedentries****function****writers****table**

F author

F keyword

F pagenumber

F range

regimes (context)

backmapping	data table
cleanup	function
disable	function
enable	function
fromregime	function
list	function

mapping	data table
pop	function
process	function
push	function
toregime	function
translate	function

resolvers (context)

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

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

variableofformat
variableofformatorsuffix

function
function

wildcardpattern

function

sandbox (context)

disablelibraries	function
disablerunners	function
enable	function
filehandlerone	function
filehandlertwo	function
finalizer	function
getrunner	function
initializer	function
iohandler	function
logcalls	function
logfiles	function
original	function
overload	function

possiblepath	function
redefine	function
register	function
registerbinary	function
registerlibrary	function
registerroot	function
registerrunner	function
report	function
setfilenamelogger	function
setlogger	function
setreporter	function
settrace	function
validfilename	function

scripts (context)

autofontfeature table

F disable
F enable
F handler

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

getdata function

getinjector function

getsplitter function

getstatus function

handlers data table

helpers data 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

numbertodataset data table

numbertohandler data table

reset function

set function

setstatus function

splitters data table

set (context)

contains function

create function

tolist function

tonumber function

totable function

sha2 (extra lua)

HASH256 function

HASH384 function

HASH512 function

digest256 function

digest384 function

digest512 function

hash256 function

hash384 function

hash512 function

sio (extra lua)

read2dot14	function
readbytes	function
readbytetable	function
readcardinal1	function
readcardinal1le	function
readcardinal2	function
readcardinal2le	function
readcardinal3	function
readcardinal3le	function
readcardinal4	function
readcardinal4le	function
readcardinaltable	function

readfixed2	function
readfixed4	function
readinteger1	function
readinteger1le	function
readinteger2	function
readinteger2le	function
readinteger3	function
readinteger3le	function
readinteger4	function
readinteger4le	function
readintegertable	function

socket (extra lua)

BLOCKSIZE	number	S cc
_DATAGRAMSIZE	number	S comments
_DEBUG	boolean	S connection
_SETSIZE	number	S content-description
_SOCKETINVALID	number	S content-disposition
bind	overloaded function	S content-encoding
choose	overloaded function	S content-id
connect	function	S content-language
connect4	overloaded function	S content-length
connect6	overloaded function	S content-location
dns	table	S content-md5
F getaddrinfo		S content-range
F gethostname		S content-transfer-encoding
F getnameinfo		S content-type
F tohostname		S cookie
F toip		S date
ftp	table	S diagnostic-code
S PASSWORD		S dsn-gateway
N TIMEOUT		S etag
S USER		S expect
F command		S expires
F genericform		S final-log-id
F get		S final-recipient
F open		S from
F put		S host
gettime	function	S if-match
headers	overloaded table	S if-modified-since
T canonic		S if-none-match
S accept		S if-range
S accept-charset		S if-unmodified-since
S accept-encoding		S in-reply-to
S accept-language		S keywords
S accept-ranges		S last-attempt-date
S action		S last-modified
S age		S location
S allow		S max-forwards
S alternate-recipient		S message-id
S arrival-date		S mime-version
S authorization		S original-envelope-id
S bcc		S original-recipient
S cache-control		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	smtip	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	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 digitmaximum		packuc	function
N digitoffset		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	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
memused	function		

status (basic tex)

list function

resetmessages function

setexitcode 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
disable	function
enable	function
flush	function
initialize	function

push	function
start	function
stop	function
synchronize	function

string (basic lua)

autodouble	function	quoted	function
autosingle	function	rep	function
booleanstring	function	replacenewlines	function
byte	function	reverse	function
bytepairs	function	split	function
bytes	function	splitlines	function
bytetable	function	splitup	function
char	function	strip	function
characterpairs	function	sub	function
characters	function	texnewlines	function
checkedsplit	function	tformat	function
collapsespaces	function	toHEX	function
containsws	function	toboollean	function
count	function	tobytes	function
dump	function	tocontext	function
escapedpattern	function	todec	function
escapedquotes	function	todimen	function
explode	function	tohex	function
find	function	tonodes	function
format	function	topattern	function
formatter	function	totable	function
formatters	function	toutf	function
fullstrip	function	tracedchar	function
gmatch	function	tracedchars	table
gsub	function	unescapedquotes	function
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	wordsplitter	function
quote	function		

structures (context)

allocation	function	F last	
blocks	table	F next	
D collected		F prev	
F define		F previous	
F empty		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 title	
F touserdata	
inserts	table
D data	
F define	
F getdata	
F getlocation	
F getname	
F getnumber	
F setlocation	
F setup	
D stored	
itemgroups	table
lists	table
F addto	
F analyze	
B autoreorder	
D cached	
D collected	
F discard	
F enhance	
T enhancers	
F filter	
F formulainumber	
F getresult	
F groupindex	
F hasnumberdata	
F haspagedata	
F hastitledata	
F iscached	
D kinds	
F label	
F location	
D names	
F number	
D ordered	
F page	
F popnesting	
F prefix	
F prefixednumber	
F prefixedpage	
F process	
D pushed	
F pushnesting	

F realpage	
F reordered	
T result	
F savedlistnumber	
F savedlistprefixednumber	
F savedlisttitle	
D sectionblocks	
F sectionnumber	
F size	
F title	
D tobesaved	
F userdata	
F uservalue	
marks	table
D data	
F define	
F exists	
F fetch	
F fetchallmarks	
F fetched	
F fetchonemark	
F fetchtwomarks	
F get	
F number	
F relate	
F reset	
F set	
F show	
F synchronize	
F title	
T tracers	
F showtable	
notes	table
F check_spacing	
F checkpagechange	
F define	
F doifonsamepageasprevious	
F get	
F getdeltapage	
F getinternal	
F getn	
F getstate	
F hascontent	
F internal	

- F internalid
- F listindex
- D numbers
- F ordered
- F postpone
- F resetpostponed
- F restore
- F save
- F setstate
- D states
- F store

pages

- F allmarked
- F analyze
- D collected
- F fraction
- F in_body
- F is_odd
- F mark
- F marked
- F markedlist
- N nopages
- F number
- F on_right
- F save
- D tobesaved
- F toranges

references

- F analyze
- F checkedfile
- F checkedfileorurl
- F checkedprogram
- F checkedrealpage
- F checkedurl
- D collected
- U componentsplitter
- F currentmetadata
- F currentorder
- D currentset
- F define
- D defined
- D derived
- F enhance
- D executers

- F expandcurrent

- F export

- T files

- T data

- F define

- F found

- F get

- F filter

- F filterdefault

- D filters

- D flaginternals

- F from

- D functions

- F get

- F getcurrentmetadata

- F getcurrentprefixspec

- F getinnermethod

- F getinternalcachedlistreference

- F getinternallistreference

- F getinternalreference

- F getoutermethod

- D handlers

- F identify

- F import

- F inject

- F injectcurrentset

- S innermethod

- D internals

- F load

- F loadpresets

- F mark

- S outermethod

- D pages

- U prefixsplitter

- D productdata

- T programs

- T data

- F define

- F get

- F realpageofpage

- U referencesplitter

- D referred

- F referredpage

- F registerfinalizer

table

table

- F registerinitializer
- F registerpage
- F reset
- D runners
- F set
- F setandgetattribute
- F setcomponent
- F setinternalreference
- F setlinkmethod
- F setnextinternal
- F setnextorder
- F setreferencerealpage
- D specials
- F splitcomponent
- F splitprefix
- F splitreference
- F synchronizepage
- T testrunners
 - F inner
 - F special
 - F special operation
 - F special operation with arguments
- T testspecials
 - F deltapage
 - F i
 - F internal
 - F page
 - F realpage
 - F section
 - F userpage
- D tobereferred
- D tobesaved
- D tracedpages
- T urls
 - T data
 - F define
 - F found
 - F get
 - F untex
- D usedinternals
- D usedviews
- F valid

registers table

- F analyze

- D collected
- F compare
- F define
- F enhance
- F extend
- F filter
- F filtercollected
- F finalize
- F findinternal
- F flush
- F get
- F prepare
- F process
- F setmethod
- F sort
- F store
- D tobesaved
- F unique
- F userdata

sections table

- F autodepth
- F cct
- D collected
- F current
- F currentblock
- F currentid
- F currentlevel
- F currentsectionindex
- F depthnumber
- F finddata
- F findnumber
- F fullnumber
- F getcurrentlevel
- F getlevel
- F getnumber
- F internalreference
- D levelmap
- D levels
- F matchingtilldepth
- F numberatdepth
- F numbers
- F popblock
- F prefixedconverted
- F pushblock

- F register
- D registered
- F reportstructure
- F save
- T sectionblockdata
 - T bodypart
 - S bookmark
- F set
- F setblock
- F setchecker
- F setentry
- F setinitialblock
- F setlevel
- F setnumber
- F showstructure
- F structuredata
- F title
- D tobesaved
- F typesetnumber
- F userdata
- B verbose

sets table

- F define
- F get
- F getall
- D setlist

specials table

- D collected
- F retrieve
- F store
- D tobesaved

synonyms table

- F analyzed
- D collected
- F compare
- F define
- F filter
- F finalize
- F flush
- F isshown
- F isused
- F meaning
- F prepare
- F process

- F register
- F registershown
- F registerused
- F reset
- F resetall
- F resetlist
- F resetshown
- F resetused
- F sort
- F synonym
- D tobesaved

tags table

- F current
- F elementtag
- F finishexport
- F getextradata
- F getid
- F getmetadata
- F gettablecell
- F gettabulatecell
- F handler
- F initializeexport
- D labels
- F last
- F lastinchain
- F locatedtag
- T patterns
 - U splitter
- D properties
- F registerextradata
- F registermetadata
- F restart
- F setaspect
- F setattributefield
- F setcombination
- F setconstruct
- F setfigure
- F setfloat
- F setformulacontent
- F sethighlight
- F setitem
- F setitemgroup
- F setlist
- F setnotation

F setnotationsymbol
F setparagraph
F setproperty
F setpublication
F setregister
F setsorting
F setsynonym
F settablecell
F settabulatecell
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
makewweak	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	getdelcodes	function
badness	function	getdimen	function
box	table	getfontoffamily	function
boxresources	table	getglue	function
F getbox		getglyphdata	function
F getdimensions		getlccode	function
F save		getlist	function
F use		getlocallevel	function
catcode	table	getmark	function
conditionals	data table	getmath	function
constants	data table	getmathcode	function
count	table	getmathcodes	function
cprint	function	getmodevalues	function
ctdcatcodes	number	getmuglue	function
ctxcatcodes	number	getmuskip	function
definefont	function	getnest	function
delcode	table	getpagestate	function
dimen	table	getsfcode	function
directives	data table	getskip	function
enableprimitives	function	gettoks	function
error	function	getuccode	function
experiments	data table	glue	table
extraprimitives	function	hashtokens	function
finish	function	ifs	data table
fontidentifier	function	inimatcodes	number
fontname	function	init_rand	function
force_synctex_line	function	isattribute	function
force_synctex_tag	function	isbox	function
forcehmode	function	iscount	overloaded function
fprint	function	isdefined	function
get	function	isdimen	overloaded function
get_synctex_line	function	isglue	function
get_synctex_mode	function	ismuglue	function
get_synctex_tag	function	ismuskip	overloaded function
getattribute	function	isskip	overloaded function
getbox	function	istoken	function
getboxresourcebox	function	istoks	function
getboxresourcedimensions	function	lccode	table
getcatcode	function	linebreak	function
getcount	function	lists	table
getdelcode	function	lua_math_random	function

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

texconfig (basic tex)

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

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	scanbox	function
get_tok	function	set_char	function
is_defined	function	set_lua	function
is_token	function	set_macro	function
new	function	type	function

tokens (context)

accessors table

- F active
- F cmd
- F cmdname
- F command
- F csname
- F expandable
- F index
- F name
- F protected

astable function

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 scratchtoks
- 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

commands data table

compile function

constant function

converters table

- S toboolean
- S todimen
- S toglue
- S tonumber
- S tostring

create function

defined function
getters table
 F box
 F count
 F dimen
 F glue
 F macro
 F meaning
 F skip
 F token
isdefined function
istoken function
new function
pickup function
presets table

T 1 argument
 T 1 string
 T 2 arguments
 T 2 strings
 T 3 arguments
 T 3 strings
 T 4 arguments
 T 4 strings
 T 5 strings
 T 6 strings
 T 7 strings
 T 8 strings

scanners table
 F argument
 F argumentasis
 F boolean
 F box
 F bracketed
 F bracketedasis
 F code
 F conditional
 F count
 F csname
 F dimen
 F dimension
 F float
 F glue
 F gluevalues
 F hbox

F integer
 F keyword
 F keywordcs
 F letters
 F list
 F luainteger
 F luanumber
 F lxmldid
 F number
 F optional
 F real
 F scanclose
 F scanopen
 F string
 F table
 F token
 F tokenlist
 F tokens
 F toks
 F vbox
 F verbatim
 F vtop
 F whd
 F word

setters table

F box
 F char
 F count
 F dimen
 F glue
 F lua
 F macro
 F skip

shortcuts table

T bits
 N active
 N alignment
 N begingroup
 N character
 N close
 N comment
 N endgroup
 N endofline
 N escape

N ignore	F count
N invalid	F csname
N letter	F dimen
N mathshift	F dimension
N open	F float
N other	F glue
N parameter	F gluevalues
N space	F hbox
N subscript	F integer
N superscript	F keyword
N whitespace	F keywordcs
N close	F letters
F inspect	F list
N open	F luainteger
F report	F luanumber
F scanargument	F lxmlid
F scanargumentasis	F number
F scanboolean	F optional
F scanbox	F real
F scanbracketed	F scanclose
F scanbracketedasis	F scanopen
F scanclose	F string
F scancode	F table
F scanconditional	F token
F scancsname	F tokenlist
F scandimen	F tokens
F scandimension	F toks
F scanglue	F vbox
F scangluevalues	F verbatim
F scanhbox	F vtop
F scaninteger	F whd
F scankeyword	F word
F scankeywordcs	F scannumber
F scanletters	F scanopen
F scanlist	F scanoptional
T scanners	F scanstring
F argument	F scantable
F argumentasis	F scantokenlist
F boolean	F scantoks
F box	F scanvbox
F bracketed	F scanverbatim
F bracketedasis	F scanvtop
F code	F scanword
F conditional	F toboolean

F todimen	U starttabulate
T tokens	U starttitle
T accessors	U startxtitle
F active	U stopcolumns
F cmd	U stoptabulate
F cmdname	U stoptitle
F command	U stopxtitle
F csname	U texsetup
F expandable	U xmlw
F index	D commands
F name	F compile
F protected	F constant
F astable	T converters
T cache	S toboolean
U NC	S todimen
U NR	S toglue
U bf	S tonumber
U color	S tostring
U colordefalc	F create
U colordefflc	F defined
U colordefflt	T getters
U colordefrlt	F box
U dofinishreference	F count
U dostarttext	F dimen
U finishjob	F glue
U firstofoneargument	F macro
U firstoftwoarguments	F meaning
U gobbleoneargument	F skip
U goto	F token
U iftrue	F isdefined
U input	F istoken
U loadfoundtypescriptfile	F new
U resetctxscanner	F pickup
U rlap	T presets
U scratchcounter	T setters
U scratchdimen	F box
U scratchmuskip	F char
U scratchskip	F count
U scratchtoks	F dimen
U secondoftwoarguments	F glue
U setfalsevalue	F lua
U setsectionblock	F macro
U setupsystem	F skip
U startcolumns	T shortcuts

N close	F scanletters
F inspect	F scanlist
N open	F scannumber
F report	F scanopen
F scanargument	F scanoptional
F scanargumentasis	F scanstring
F scanboolean	F scantable
F scanbox	F scantokenlist
F scanbracketed	F scantoks
F scanbracketedasis	F scanvbox
F scanclose	F scanverbatim
F scancode	F scanvtop
F scanconditional	F scanword
F scanname	F toboolean
F scandimen	F todimen
F scandimension	F tonumber
F scanglue	F tostring
F scangluevalues	T values
F scanhbox	F tonumber
F scaninteger	F tostring
F scankeyword	values table
F scankeywordcs	

tracers (context)

printerror function
printwarning function

showlines function

trackers (context)

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

typesetters (context)

alignments	table		T handlers
F handler			F installhandler
F set			F processmath
breakpoints	table		F set
F define			F setcolor
F handler			F setmath
D mapping			F tomode
T methods		firstlines	table
T numbers		T actions	
F set		F default	
F setreplacement		F line	
cases	table	F word	
T actions		F handler	
F handler		F set	
F register		fontkerns	table
F set		F handler	
characteralign	table	initials	table
F handler		T actions	
F resetcharacteralign		F default	
F setcharacteralign		F addanchortoline	
characters	table	F addtoline	
F handler		F calculatedelta	
T methods		F checkline	
F replacenbsp		F handler	
F replacenbspaces		F moveinline	
checkers	table	F normalize	
F handler		F set	
F reset		injectors	table
F set		F check	
cleaners	table	T list	
F handler		F mark	
F set		F reset	
digits	table	F set	
T actions		F show	
F handler		italics	table
F set		F enablemath	
directions	table	F enabletext	
F getfences		F forcevariant	
F getglobal		F handler	
F getmethod		F reset	
F handler		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 stripperperiod
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
barepath	function
construct	function
decode	function
encode	function
escape	function
filename	function

hashed	function
hasscheme	function
query	function
split	function
toquery	function
unescape	function
unescapeget	function

utf8 (basic lua)

char function
charpattern string
codepoint function

codes function
len 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 readcardinal1le
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 readinteger1le
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		T modern-condensed,latin-modern-condensed-designsize,T
S tua		B latin-modern-condensed
S tuc		B latin-modern-condensed-designsize
packers	table	B latin-modern-light-condensed
F hashed		B modern-condensed
F new		B modern-light-condensed
F pack		T modern-light,latin-modern-light-designsize,latin-mod
F simplehashed		B latin-modern-light
F strip		B latin-modern-light-designsize
F unpack		B modern-light
N version		T modern-mono,modern-base-mono
parsers	table	B modern-base-mono
F add_settings_to_array		B modern-mono
F arguments_to_table		T modern-variable,latin-modern-variable-designsize,lat
F array_to_string		B latin-modern-variable
F csvsplitter		B latin-modern-variable-designsize
F getparameters		B modern-variable
F groupedsplitat		T modernvariable,modern-variable
F hash_to_string		B modern-variable
T hashes		B modernvariable
T settings_to_set		T modernvariablelight,modern-variable-light
T min,max,fit,broad,auto		B modern-variable-light
B auto		B modernvariablelight
B broad		T serif,sans,mono
B fit		B mono
B max		B sans
B min		B serif
T modern,latin-modern		T text,hidden,paper,page,leftpage,rightpage
B latin-modern		B hidden
B modern		B leftpage
T modern,latin-modern,modern-variable,latin-modern-variable,modern		B modern-condensed,latin-modern-condensed
B latin-modern		B paper
B latin-modern-condensed		B rightpage
B latin-modern-variable		B text
B modern		F iterator
B modern-condensed		F keq_to_hash
B modern-variable		F listitem
T modern,latin-modern-designsize,latin-modern		F make_settings_to_hash_pattern
B latin-modern		F mergehashes
B latin-modern-designsize		F options_to_array
B modern		F options_to_hash
T modern,modern-base		T patterns
B modern		U settings_to_array
B modern-base		U settings_to_hash_a

U settings_to_hash_b	F nodeprocessor
U settings_to_hash_c	F prependaction
U settings_to_hash_d	F prependgroup
U unittotex	F removeaction
F process_stripped_settings	F replaceaction
F rfc4180splitter	F setkind
F runtime	F tostring
F settings_to_array	setters table
F settings_to_array_obey_fences	F disable
F settings_to_array_with_repeat	F enable
F settings_to_hash	F initialize
F settings_to_hash_colon_too	F list
F settings_to_hash_strict	F new
F settings_to_hash_tolerant	F register
F settings_to_numbers	F report
F settings_to_set	F reset
F simple_hash_to_string	F show
F splitmethod	stacker table
F splitthousands	F new
F stepper	storage table
F stripped_settings_to_array	F allocate
F totime	F checked
F unittotex	F mark
F unittotxml	F marked
randomizer table	F setinitializer
F get	F sparse
F getnumber	streams table
F getseed	F close
F popseed	F getposition
F pushseed	F getsize
F reuseseed	F getstring
F setseed	F look
F setseedi	F open
sequencers table	F openstring
F appendaction	F read2dot14
F appendgroup	F readbyte
F compile	F readbytes
F disableaction	F readbytetable
F disablegroup	F readcardinal
F enableaction	F readcardinal1
F enablegroup	F readcardinal2
D functions	F readcardinal2le
F localize	F readcardinal3
F new	F readcardinal3le

F readcardinal4		F newrepeater	
F readcardinal4le		F nice	
F readcardinaltable		T striplinepatterns	
F readchar		U collapse	
F readcstring		U prune	
F readfixed2		U prune and collapse	
F readfixed4		U prune and no empty	
F readinteger		U prune and to space	
F readinteger1		U retain	
F readinteger2		U retain and collapse	
F readinteger2le		U retain and no empty	
F readinteger3		F striplines	
F readinteger3le		F striplong	
F readinteger4		F tabtospace	
F readinteger4le		T tracers	
F readintegertable		tables	table
F readsignedbyte		F accesstable	
F readstring		F definedtable	
F setposition		F definetable	
F size		F encapsulate	
F skip		F insertaftervalue	
F skipbytes		F insertbeforevalue	
F skiplong		F migratetable	
F skipshort		F removevalue	
F tocardinal1		F replacevalue	
F tocardinal1le		templates	table
F tocardinal2		F load	
F tocardinal2le		F replace	
F tocardinal3		F replacer	
F tocardinal3le		F resolve	
F tocardinal4		zipfiles	table
F tocardinal4le		F close	
strings	table	F found	
F collapse		F hash	
F collapsecr1f		F list	
T formatters		F open	
F add		F unzip	
F new		F unzipdir	
F newcollector		F zipdir	

vf (context)

char	function
down	function
fontid	function
image	function
node	function
nop	function

pdf	function
pop	function
push	function
right	function
rule	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
registerescapepline	function	writespace	function
registerescapepattern	function		

xml (context)

addentitiesdoctype	function	F family	
addspecialcode	function	F fontspecification	
after	function	F mappedstylevalue	
all	function	F padding	
applylpath	function	F size	
applyselector	function	F style	
assign	function	F stylevalue	
attribute	function	F todimension	
badinclusions	function	F variant	
before	function	F weight	
body	function	defaulthandlers	table
builtinentities	table	D file	
B amp		D parsedxml	
B apos		D string	
B gt		D tex	
B lt		D texline	
B quot		D texspace	
CDATA	function	D verbose	
CDATATOTEXT	function	defaultprotocol	string
checkboxom	function	delete	function
checkedempty	function	delete_element	function
checkerror	function	despecialized	function
checknamespace	function	each	function
checkns	function	each_element	function
cleansed	function	elements	function
collect	function	elementtocdata	function
collect_elements	function	empty	function
collect_tags	function	entities	data table
collect_texts	function	erase	function
collected	function	errorhandler	function
collecttexts	function	escaped	function
compactelement	function	expressions	table
content	function	F attribute	
convert	function	F boolean	
copy	function	F child	
count	function	F contains	
cprint	function	F count	
CSS	table	F error	
F applyselector		F find	
F colorspecification		F hasclass	
F dimension		F idstring	

F lower		F upper	
F name		F upperall	
F number		F xml	
F oneof		T xml	
F print		F all	
F quit		F att	
F tag		F attribute	
F text		F attributes	
F undefined		F cdata	
F upper		F chainattribute	
fillin	function	F count	
filter	function	F default	
finalizers	table	F elements	
F paragraphs		F empty	
T tex		F first	
F all		F function	
F attribute		F index	
F chainattribute		F last	
F chainpath		F lowerall	
F command		F match	
F concat		F name	
F concatrange		F position	
F context		F reverse	
F count		F table	
F ctxtext		F tag	
F default		F tags	
F depth		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

inject	function	process	function
inject_element	function	process_attributes	function
inject_element_after	function	process_elements	function
inject_element_before	function	processattributes	function
injectafter	function	profiled	table
injectbefore	function	pure	function
insert	function	pushmatch	function
insert_element	function	raw	function
insert_element_after	function	registerentity	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	resolvns	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 <	

<code>S ></code>		<code>tocdata</code>	function
<code>S \</code>		<code>toelement</code>	function
<code>S {</code>		<code>tostring</code>	function
<code>S </code>		<code>totable</code>	function
<code>S }</code>		<code>toxml</code>	function
<code>S ~</code>		<code>tprint</code>	function
<code>specialhandler</code>	table	<code>traverse</code>	function
<code>sprint</code>	function	<code>unescaped</code>	function
<code>string</code>	function	<code>unescapedentitylpeg</code>	userdata
<code>strip</code>	function	<code>unprivatized</code>	function
<code>strip_whitespace</code>	function	<code>unspecialized</code>	function
<code>stripelement</code>	function	<code>wipe</code>	function
<code>stripleadingspaces</code>	function	<code>withelement</code>	function
<code>table</code>	function	<code>withelements</code>	function
<code>text</code>	function	<code>wrap</code>	function
<code>textonly</code>	function	<code>xmlns</code>	table
<code>texttocdata</code>	function		

xzip (extra lua)

adler32	function
compress	function
compressobj	function
crc32	function

decompress	function
decompressobj	function
version	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
compress	function
compressobj	function
crc32	function

decompress	function
decompressobj	function
version	function