

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

ConT_EXt MkIV

global (alias: _G)

LUAEXVERSION	number	file	table
MP	table	floats	table
_LUAVERSION	number	font	table
_MAJORVERSION	number	fontloader	table
_MINORVERSION	number	fonts	table
arg	table	frozen	boolean
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attributes	table	gcinfo	function
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boolean	table	global	table
buffers	table	graphics	table
builders	table	gzip	table
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callback	table	inspect	function
callbacks	table	interactions	table
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dimen	function	lmx	table
dir	table	load	function
directives	table	loadfile	function
document	table	loadstring	function
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dofile	function	lpdf	table
done	boolean	lpeg	table
environment	table	ltn12	table
epdf	table	lua	table
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experiments	table	lxml	table
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mathematics	table	sandbox	table
mbox	table	scripts	table
md5	table	select	function
metapost	table	set	table
mime	table	setfenv	function
module	function	setinspector	function
moduledata	table	setmetatable	function
modules	table	socket	table
mp	function	sorters	table
mplib	table	statistics	table
newproxy	function	status	table
next	function	storage	table
noads	table	streams	table
node	table	string	table
nodes	table	structures	table
number	table	swiglib	function
objects	table	table	table
optionalrequire	function	tex	table
os	table	texconfig	table
package	table	texio	table
pagebuilders	table	thirddata	table
pairs	function	toboollean	function
parametersets	table	tokens	table
pcall	function	tonumber	function
pdf	table	tostring	function
pdfboolean	function	tracers	table
pdfnull	function	trackers	table
pdfreference	function	type	function
pdfscanner	table	typesetters	table
pdfverbose	function	unicode	table
physics	table	unpack	function
print	function	url	table
profiler	table	userdata	table
publications	table	utf	table
rawequal	function	utilities	table
rawget	function	vf	table
rawlen	function	visualizers	table
rawset	function	xml	table
regimes	table	xpcall	function
require	function	zip	table
resolvers	table	zlib	table

attributes (context)

colorintents table

- N attribute
- D data
- F enable
- F handler
- F register
- D registered

colors table

- N attribute
- F cmyk
- F cmyktogray
- F cmyktorgb
- F colorcomponents
- B couple
- D data
- N default
- F defineintermediatecolor
- F definemultitonecolor
- F defineprocesscolor
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- F forcedmodel
- F forcesupport
- F formatcolor
- F formatgray
- F getpagecolormodel
- F gray
- F graytohsb
- F handler
- F hstogray
- F hstorgb
- F iccprofile
- F isblack
- N main
- S model
- D models
- F mpcolor
- F mpnamedcolor

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

define function effects table

- N attribute
- D data
- F enable
- F handler
- F register
- D registered
- D values

handlers table list data table names data table

negatives	table		U none
N attribute			F register
D data			D registered
F enable			B supported
F handler			B triggering
F register			F value
D registered			D values
F set			
numbers	data table	unsetvalue	number
ofnode	function	viewerlayers	table
private	function	N attribute	
public	function	F cleanup	
restore	function	D data	
save	function	F define	
showcurrent	function	F definedlayoutcomponent	
states	table	F enable	
F disabletriggering		F forcesupport	
F enabletriggering		F handler	
F finalize		B hasorder	
F initialize		D listwise	
F process		F register	
F selective		D registered	
F stacked		F resolve_begin	
F stacker		F resolve_end	
system	function	F resolve_reset	
transparencies	table	F resolve_step	
N attribute		D scopes	
D data		F setfeatures	
F enable		F start	
F forcesupport		F stop	
F handler		B supported	
		D values	

backends (context)

codeinjections table

F boxresourcedimensions
F registerboxresource
F restoreboxresource

current string

defaults table

T codeinjections
F gethpos
F getmatrix
F getpos
F getvpos
F hasmatrix
T nodeinjections
T registrations
D tables

install function

nodeinjections table

F restore
F save
F transform

nothing function

pdf table

T codeinjections
F addbookmarks
F attachmentid
F clonefield
F definefield
F definefieldset
F defineviewerlayer
F embedfile
F enabletags
F exportformdata
F getbookmarks
F getdefaultfieldvalue
F getfieldcategory
F getfieldset
F getformatoption
F gethpos
F getmatrix
F getoutputfilename
F getpos

F getpreviewfigure
F getvpos
F hasmatrix
F insertrenderingwindow
F mergebookmarks
F mergereferences
F mergeviewerlayers
F prerollreference
F presetsymbol
F presetsymbollist
F processrendering
F registerdocumentcloseaction
F registerdocumentopenaction
F registeredsymbol
F registerpagecloseaction
F registerpageopenaction
F registersymbol
F setfieldcalculationset
F setfigurealternative
F setfigurecolorspace
F setfiguremask
F setformat
F setformsmethod
F setpagetransition
F setupcanvas
F setupidentity
F setxmpfile
F startlayer
F startunicodetoactualtext
F stoplayer
F stopunicodetoactualtext
F supportedformats
F unicodetoactualtext
F useviewerlayer
F validfield
F validfieldcategory
F validfieldset
S comment
T nodeinjections
F addtags
F annotation

F attachfile	F startstackedlayer	
F changestackedlayer	F stoplayer	
F cmykcolor	F stopstackedlayer	
F comment	F transparency	
F destination	F typesetfield	
F effect	T registrations	
F graycolor	F cmykindexcolor	
F injectbitmap	F cmykspotcolor	
F insertmovie	F getspotcolorreference	
F insertsound	F grayindexcolor	
F insertswf	F grayspotcolor	
F insertu3d	F rgbindexcolor	
F knockout	F rgbspotcolor	
F negative	F spotcolorname	
F overprint	F transparency	
F positive	T tables	
F reference	D vfspecials	
F rgbcolor	registrations	table
F spotcolor	tables	table
F startlayer		

bit (context)

arshift	function
band	function
bnot	function
bor	function
bswap	function
bxor	function

lshift	function
rol	function
ror	function
rshift	function
tobit	function
tohex	function

bit32 (basic lua)

arshift function

band function

bnot function

bor function

btest function

bxor function

extract function

lrotate function

lshift function

replace function

rrotate function

rshift function

blobs (context)

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

strht	function
strwd	function
tohpack	function
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	
erase	function	F place	
exists	function	F reset	
getcontent	function	F save	
getlines	function	prepend	function
loadcontent	function	raw	function
parallel	table	undent	function

builders (context)

kernel table

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

paragraphs table

- T constructors
 - N attribute
 - F define
 - F disable
 - F enable
 - F handler
- T methods
 - F basic
 - F default
 - F hpack
 - F oneline
- D names
- D numbers
- F set
- F start
- F stop
- T expansion
 - F trace
- F 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 collapsevbox
- T data
 - D map
 - D skip
 - D snapmethods
- F definesnapmethod
- B fixed
- F pagehandler
- F resetprevdepth
- F setmap
- F setskip
- F snapbox
- F tocategories
- F tocategory
- F vboxhandler

cache (context)

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

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

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

catcodes (context)

names data table

numbers data table

register function

characters (context)

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

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

chemistry (context)

component	function
define	function
definitions	data table
format	string
inlinechemical	function
instance	string
method	string

molecule	function
moleculeparser	userdata
start	function
stop	function
structures	number
undefine	function

containers (context)

cleannname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

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

coroutine (basic lua)

create 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)

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

dir (context)

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

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

directives (context)

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

name	string
register	function
report	function
reset	function
show	function
value	function

document (context)

arguments	data table		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				

environment (context)

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

epdf (extra tex)

Array function
Attribute function
AttributeOwner_Type function
Attribute_Type function
Dict function
Object function

PDFRectangle function
StructElement_Type function
open overloaded function
openMemStream function
type function

experiments (context)

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

figures (context)

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

file (basic lua)

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

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

floats (context)

analysemethod	function	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)

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

fontloader (extra tex)

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

fonts (context)

analyzers

table

T features

N blwf

N fin2

N fin3

N fina

N half

N init

N isol

N med2

N medi

N pref

N pstf

N rphf

D initializers

D methods

F setstate

T states

N blwf

N fin2

N fin3

N fina

N half

N init

N isol

N mark

N med2

N medi

N pref

N pstf

N rest

N rphf

B useunicodemarks

checkers

table

F getmissing

F missing

F placeholder

cid

table

F getmap

F loadfile

collections

table

F checkenabled

F clonevector

F define

T definitions

F found

F prepare

F process

F registermain

F report

F reset

T vectors

constructors

table

F addcoreunicodes

F aftercopyingcharacters

F applymanipulators

F assignmathparameters

B autocleanup

F beforecopyingcharacters

D cache

B cacheintex

F calculatescale

F checkedfeatures

F checkedfilename

F checkvirtualids

F cleanupable

F collectprocessors

F currentfonthasfeature

D designsizes

D dontembed

F enhanceparameters

N factor

T features

D afm

D oftf

D tfm

F finalize

F getfeatureaction

T handlers

T afm

B autoprefixed

D cache

D features	T handlers
F getkern	F devanagari_remove_joiners
T helpdata	F devanagari_reorder_matras
D bothkerned	F devanagari_reorder_pre_base_reordering_consonants
D leftkerned	F devanagari_reorder_reph
D ligatures	F gpos_context
D rightkerned	F gpos_contextchain
D texligatures	F gpos_cursive
F load	F gpos_mark2base
T readers	F gpos_mark2ligature
F getinfo	F gpos_mark2mark
F loadfont	F gpos_pair
F setfeatures	F gpos_single
B syncspace	F gsub_alternate
N version	F gsub_context
T otf	F gsub_contextchain
F addfeature	F gsub_ligature
F basemodeinitializer	F gsub_multiple
D cache	F gsub_reversecontextchain
F collectlookups	F gsub_single
T coverup	F trigger_space_kerns
T actions	F load
F alternate	F nodemodeinitializer
F chainposition	F packoutlines
F chainsubstitution	D pdfcache
F kern	T readers
F ligature	F addunicodetable
F multiple	D cache
F pair	F cff
F substitution	F checkhash
F register	F cmap
S stepkey	F colr
F dataset	F compact
S defaultbasealternate	F cpal
S defaultnodealternate	F expand
D enhancers	F extend
D features	F gdef
F featuresprocessor	F getcomponents
F getactualtext	F getinfo
F getalternate	F glyf
F getgsub	F gpos
F getkern	F gsub
F getmultiple	F head
F getsubstitution	F hhea

F hmtx	F setdynamics
F kern	F setfeatures
F loadfont	T statistics
F loadshapes	D usedfeatures
F loca	T svg
F math	F storepdfdata
F maxp	F topdf
F name	D svgcache
F os/2	B svgenabled
F pack	T tables
F post	D baselines
F registerextender	D features
F rehash	D featuretypes
T streamreader	D languages
F close	D scripts
F getposition	F unpackoutlines
F look	N version
F open	T pfb
F read2dot14	T tfm
F readbyte	D features
F readbytes	N maxnestingdepth
F readcardinal	N maxnestingsize
F readcardinal1	F setfeatures
F readcardinal2	N version
F readcardinal3	T vf
F readcardinal4	T combinations
F readchar	F combine
F readfixed4	T combiner
F readinteger	D commands
F readinteger1	D helpers
F readinteger2	D math
F readinteger4	D predefined
F readstring	N version
F readtag	D whatever
F setposition	F hashfeatures
F size	F hashinstance
F skip	T hashmethods
F skiplong	F normal
F skipshort	F virtual
F svg	F initializefeatures
N tableversion	T keys
F unpack	T character
N version	S depth
F scriptandlanguage	S height

S italic	S spacestretch
S width	S x_height
T description	S units
T boundingbox	S vfactor
S depth	S xheight
S height	T properties
S width	S autoitalicamount
T parameters	T cidinfo
S ascender	S embedding
S descender	S encodingbytes
S designsize	S filename
T expansion	S finalized
S auto	S fontname
S shrink	S format
S step	S fullname
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F getbuffer	F getstructurenumber
F getbuffercxtlua	F getsubstring
F getbuffermkvi	F gettexbuffer
F getcheckedinterfaceparameters	F gettwopassdata
F getcurrentprefixspec	F gettwopassdatalist
F getcurrentreferencemetadata	F geturl
F getdefaultfieldvalue	F getvisual
F getdocumentargument	F hboxtovbox
F getdocumentfilename	F helpaction
F getelementtag	F helpreference
F getfieldcategory	F hexstringtonumber
F getfile	F horizontalcode
F getfirstcharacter	F hour
F getfirsttwopassdata	F hyphenatedlist
F getfloatvariable	F hyphenatedurl
F getfullstructurenumber	F immediatemessage
F getinternalcachedlistreference	F incrementcounter
F getinternallistreference	F incrementedcounter
F getlasttwopassdata	F incrementsubcounter
F getmarking	F initializejob
F getmathdomain	F initializemathdomain
F getmathitalics	F initializemathitalics
F getmessage	F initializestream
F getmpextensions	F initializetexdirectives
F getmprandomnumber	F initializetextrackers
F getnaturaldimensions	F injectcurrentreference
F getnaturalwd	F injectcurrentreferencehtdp
F getnotestate	F injectreference
F getobjectdimensions	F inlinechemical
F getobjectreference	F inputfilebarename
F getobjectreferencepage	F inputfilename
F getprivatechar	F inputfilerealsuffix
F getprivateglyphslot	F inputfilesuffix
F getprogram	F insertattachment
F getrandomdimen	F insertcomment
F getrandomfloat	F insertfield
F getrandomnumber	F insertionnumber
F getrandomseed	F insertrenderingwindow

F installedlanguages	F lpdf_collectedresources
F installtexdirective	F lpdf_color
F installtextracker	F luascript
F jobfilename	F luathread
F jobfilesuffix	F lxmld
F languagenumber	F markcontent
F lastcountervalue	F markingnumber
F lastsubcountervalue	F markingtitle
F lchexnumber	F markinjector
F lchexnumbers	F markregionbox
F leapyear	F markregionboxcorrected
F linenumbersstageone	F markregionboxtagged
F linenumbersstagetwo	F markvisualfonts
F listgroupindex	F mathfraction
F listlabel	F mathrenderset
F listlocation	F message
F listnamespaces	F metapostescaped
F listprefixednumber	F metapostformatted
F listprefixedpage	F metapostgraphformat
F listrealpage	F minute
F listsize	F mixcleanup
F listtitle	F mixfinalize
F listuserdata	F mixflushlist
F loadexamodes	F mixflushrest
F loadfontgoodies	F mixgetsplit
F loadluamodule	F mixsetsplit
F loadmapfile	F mixstate
F loadmapline	F molecule
F loadspellchecklist	F month
F loadtypescriptfile	F monthmnm
F loadvisualizer	F monthname
F locatefilepath	F mpcolor
F locfilename	F mpflushliteral
F lower	F mpflushreset
F lpdf_adddocumentcolorspace	F mpgettext
F lpdf_adddocumenttextgstate	F mpgraphic
F lpdf_adddocumentpattern	F mpoptions
F lpdf_adddocumentshade	F mprunset
F lpdf_addtocatalog	F mpruntab
F lpdf_addtoinfo	F mprunvar
F lpdf_addtonames	F mpsetclippath
F lpdf_addtopageattributes	F mpsetoutercolor
F lpdf_addtopageresources	F mpsetsxsy
F lpdf_addtopagesattributes	F mpsettext

F mptexget	F pgfxcolorspec
F mptexreset	F pickupbuffer
F mptexset	F pickupmarkedcontent
F mptexsetfrombuffer	F pickuppunctuation
F namedstructureuservariable	F placeparallel
F namedstructurevariable	F popfloat
F naturalwd	F pophyphenation
F nbfs	F popitaliccorrection
F nextcountervalue	F poplist
F nextparallel	F poppath
F nextsubcountervalue	F poprandomseed
F nofconversions	F popreferenceprefix
F nofdays	F popregime
F nofstackedfloats	F popsectionblock
F notedeltapage	F postponeotes
F noteinternal	F prefixedconverted
F notelistindex	F preparecolumnsetflush
F noteprefixednumber	F presetsymbollist
F notetitle	F presettabulate
F ntimes	F prevcountervalue
F number	F previoussubcountervalue
F numbers	F processbodyfontsizes
F octnumber	F processbuffer
F octstringtonumber	F processcolorcomponents
F operatingsystem	F processedfile
F ordinal	F processedfiles
F outputfilename	F processfile
F overloadbookmark	F processfilemany
F overloaderror	F processfilenone
F overloadlowercase	F processfileonce
F overloaduppercase	F processjob
F pageofinternal	F processlist
F pagestaterealpage	F processregister
F parpos	F processsplit
F pdfrotation	F processsynonyms
F pdfstartmatrix	F profilebox
F pdfstartmirroring	F purefontname
F pdfstartrotation	F pushfloat
F pdfstartscaling	F pushhyphenation
F pdfstopmatrix	F pushitaliccorrection
F pdfstopmirroring	F pushlist
F pdfstoprotation	F pushpath
F pdfstopscaling	F pushrandomseed
F percentageof	F pushreferenceprefix

F pushregime	F registeruserdata
F pushsectionblock	F relatemarking
F pushstream	F renderingvar
F putincolumnset	F replacefeature
F rawcharacter	F replacepospxywhd
F rawcountervalue	F reportstructure
F rawdate	F resavefloat
F rawsetupstring	F resetcharacteralign
F rawsubcountervalue	F resetcolumnset
F referencepagedetail	F resetcounter
F referencepagestate	F reseteffect
F referencerealpage	F resetfeature
F registerattachment	F resetfontfeature
F registerbackendsymbol	F resetfontsolution
F registerbodyfontsize	F resetinjector
F registerbookmark	F resetitaliccorrection
F registerbuttons	F resetmapfiles
F registercolorintent	F resetmarking
F registercolumnsetarea	F resetmathattributes
F registeredviewerlayer	F resetmathitalics
F registerfigurepattern	F resetnullfont
F registerfiguresuffix	F resetparallel
F registerfontalternative	F resetpath
F registerfontfamily	F resetprevdepth
F registerhelp	F resetreference
F registerhyphenationexception	F resetscript
F registerhyphenationpattern	F resetshownsynonyms
F registeritemgroup	F resetstructureprocessor
F registerlanguagefeatures	F resetsubcounter
F registerlinenumbering	F resettimer
F registermaintextcolor	F resettrackers
F registermpyfile	F resetusedsynonyms
F registernamedlua	F restartcounter
F registernamespace	F restartsubcounter
F registerobject	F restorecounter
F registerpostponedblock	F restorecurrentattributes
F registerreferencedobject	F restorenote
F registerrendering	F restoreobject
F registersection	F reuserandomseed
F registershownsynonym	F revivefeature
F registerstructureprocessor	F romannumerals
F registersynonym	F rounded
F registerunit	F runbuffer
F registerusedsynonym	F runcontextjob

F safechar	F setdocumentenvironments
F savebuffer	F setdocumentfilename
F savecounter	F setdocumentfilenames
F savecurrentattributes	F setdocumentmodes
F savedlistnumber	F setdocumentmodules
F savedlistprefixednumber	F seteffect
F savedlisttitle	F setelementuserproperties
F savefloat	F setfieldcalculationset
F savemargindata	F setfigurelookuporder
F savenote	F setfigurepaths
F savepagedata	F setfirstline
F savepageinjections	F setfontfeature
F saveparallel	F setfontofid
F savespecificfloat	F setfontsolution
F savestructureblock	F setformat
F savetaggedtwopassdata	F setformsmethod
F savetwopassdata	F sethsizecolumnset
F savevariable	F sethsizecolumnspan
F second	F sethyphenatedurlcharacters
F selectstructureblock	F sethyphenationfeatures
F setactivecatcodes	F sethyphenationmethod
F setbreakpoints	F setinitial
F setcharacteralign	F setinitialsectionblock
F setcharactercasing	F setinjector
F setcharactercleaning	F setinnerreferencemethod
F setcharacterkerning	F setinsertionlocation
F setcharacterspacing	F setinterfaceconstant
F setcharacterstripping	F setinterfaceelement
F setcloseddocumentaction	F setinterfacemessage
F setclosepageaction	F setinterfacemessages
F setcolormodel	F setinterfacevariable
F setcolumnsetarea	F setinternalreference
F setcolumnsetlines	F setitaliccorrection
F setcolumnsetproperties	F setjavascriptpreamble
F setcolumnsetstart	F setjobcomment
F setcounter	F setlanguageexceptions
F setdataset	F setlanguagesynonym
F setdestinationattribute	F setlettercatcodes
F setdigitsmanipulation	F setmapfile
F setdirection	F setmapline
F setdocumentargument	F setmarking
F setdocumentcommandline	F setmathalphabet
F setdocumentctxfile	F setmathalternate
F setdocumentdefaultargument	F setmathattribute

F setmathdirection	F settagitemgroup
F setmathdomain	F settaglist
F setmathitalics	F settagnotation
F setmathstyle	F settagnotationsymbol
F setmpextensions	F settagproperty
F setnaturalwd	F settagproperty_b
F setnegative	F settagproperty_n
F setnextinternalreference	F settagregister
F setnextreferenceorder	F settagsorting
F setnotestate	F settagssubsentencesymbol
F setopendocumentaction	F settagssynonym
F setopenpageaction	F settagtablecell
F setowncounter	F settagtabulatecell
F setownsubcounter	F setupbookmarks
F setpagecolormodel	F setupcanvas
F setpagestate	F setupcharacterspacing
F setpagestaterealpageno	F setupexport
F setpagetransition	F setupfontexpansion
F setparbuilder	F setupfontprotrusion
F setpdfcompression	F setupidentity
F setprofile	F setupinsertion
F setrandomseed	F setupitaliccorrection
F setrealign	F setuplinenumbering
F setrealspaces	F setuserinterface
F setreferencearguments	F setvalidinterfacekeys
F setreferenceoperation	F setvisual
F setregionbox	F setvisualfont
F setregionboxtagged	F setvisuallayer
F setregistermethod	F setvisuals
F setreplacements	F setvsizecolumnset
F setscript	F setxmpfile
F setsectionblock	F showassignerror
F setsectionentry	F showattributes
F setstructureblockstate	F showcounter
F setstructurelevel	F showdebuginfo
F setstructurenumber	F showdirectives
F setsubcounter	F showdiscretionaries
F settagaspect	F showexperiments
F settagcombination	F showhyphenatedinlist
F settagdelimitedsymbol	F showhyphenationtrace
F settagfigure	F showinjector
F settaggedmetadata	F showjustification
F settaghighlight	F showlogcategories
F settagitem	F showmessage

F showtrackers	F storeregister
F sin	F strdp
F sind	F strhd
F splitfilename	F strht
F spotcolorname	F strip
F spotcolorparent	F structureautocatcodedget
F spotcolorvalue	F structurecatcodedget
F startactualtext	F structuregivencatcodedget
F startchemical	F structurenumber
F startcolorset	F structuretitle
F startcomponent	F structureuservariable
F startenvironment	F structurevariable
F startfontsolution	F strwd
F startparbuilder	F subcountervalue
F startproduct	F subcountervalues
F startproject	F subsubcountervalues
F startregime	F subtractfeature
F startsectionlevel	F synchronizemarking
F startstream	F synchronizestream
F starttag	F synonymmeaning
F starttag_c	F synonymname
F starttag_d	F systemlog
F starttag_u	F tagmfunctionlab
F starttext	F tagmfunctiontxt
F startviewerlayer	F tan
F step	F tand
F stopactualtext	F texdefinition_one
F stopchemical	F texdefinition_two
F stopcolorset	F textime
F stopcomponent	F thefirstcharacter
F stopenvironment	F themaxboxwidth
F stopfontsolution	F theremainingcharacters
F stopparbuilder	F tochar
F stopproduct	F transparencycomponents
F stopproject	F triggerpagebuilder
F stopregime	F truefilename
F stopsectionlevel	F type
F stopstream	F typebuffer
F stoptag	F typefile
F stoptext	F uchar
F stopviewerlayer	F uchexnumber
F storejavascriptcode	F uchexnumbers
F storejavascriptpreamble	F undefinechemical
F storenote	F unicodechar

F unihex	F vspacecollapseonly
F unit_normal	F vspaceingdefine
F unit_reverse	F vspaceingsetamount
F unloadlanguage	F vspaceingsnap
F upper	F way
F useMPlibrary	F weekday
F useanyfile	F weekdayname
F useanyfileonce	F writestatus
F usecldfile	F x_table_c
F usecldfileonce	F x_table_cleanup
F usecolors	F x_table_construct
F usecomponent	F x_table_create
F useenvironment	F x_table_finish_row
F usefigurebase	F x_table_flush
F usefile	F x_table_init_construct
F usejavascriptpreamble	F x_table_init_reflow_height
F usejavascriptscripts	F x_table_init_reflow_height_option
F useluafile	F x_table_init_reflow_width
F useluafileonce	F x_table_init_reflow_width_option
F uselumodule	F x_table_next_row
F usemodules	F x_table_next_row_option
F usepath	F x_table_r
F useproduct	F x_table_reflow_height
F useproject	F x_table_reflow_width
F usesubpath	F x_table_set_construct
F usesymbols	F x_table_set_reflow_height
F usetexfile	F x_table_set_reflow_width
F usetexfileonce	F xmladdindex
F useurl	F xmlaftersetup
F usexmlfile	F xmlall
F usexmlfileonce	F xmlappendsetup
F usezipfile	F xmlapplyselectors
F utfchar	F xmlatt
F utfmathclass	F xmlattdef
F utfmathcommand	F xmlattribute
F utfmathcommandabove	F xmlattributedef
F utfmathcommandbelow	F xmlbadinclusions
F utfmathcommandfiller	F xmlbeforesetup
F utfmathfiller	F xmlchainatt
F utfmathstretch	F xmlchainattdef
F vboxlisttohbox	F xmlchecknamespace
F verbose	F xmlcommand
F vspaceing	F xmlconcat
F vspaceingcollapse	F xmlconcatrange

F xmlcontext	F xmlloadbuffer
F xmlcount	F xmlloaddata
F xmldelete	F xmlloadaddirectives
F xmldirect	F xmlloadentities
F xmldirectives	F xmlmain
F xmldirectivesafter	F xmlmatch
F xmldirectivesbefore	F xmlname
F xmldisplayverbatim	F xmlnamespace
F xmldoif	F xmlnonspace
F xmldoifelse	F xmlpath
F xmldoifelseempty	F xmlpos
F xmldoifelseselfempty	F xmlprependsetup
F xmldoifelsetext	F xmlpure
F xmldoifempty	F xmlraw
F xmldoifnot	F xmlrawtex
F xmldoifnotempty	F xmlrefatt
F xmldoifnotselfempty	F xmlregisterns
F xmldoifnottext	F xmlreapname
F xmldoifselfempty	F xmlreapnamespace
F xmldoiftext	F xmlremovesetup
F xmlelement	F xmlresetinjectors
F xmlfilter	F xmlresetsetups
F xmlfilterlist	F xmlsave
F xmlfirst	F xmlsetcommandtonone
F xmlflush	F xmlsetcommandtotext
F xmlflushcontext	F xmlsetentity
F xmlflushlinewise	F xmlsetinjectors
F xmlflushpure	F xmlsetsetup
F xmlflushsetups	F xmlsnippet
F xmlflushspacewise	F xmlstartraw
F xmlflushtext	F xmlstarttiming
F xmlfunction	F xmlstopraw
F xmlgetindex	F xmlstoptiming
F xmlinclude	F xmlstrip
F xmlincludeoptions	F xmlstripanywhere
F xmlinclusion	F xmlstripnolines
F xmlinclusions	F xmlstripped
F xmlindex	F xmlstrippednolines
F xmlinlineverbatim	F xmltag
F xmlinstalldirective	F xmltexentity
F xmllast	F xmltext
F xmllastatt	F xmltobuffer
F xmllastmatch	F xmltobufferverbose
F xmlload	F xmltofile

F xmltoparameters		setupstrings	data table
F xmlverbatim		setuserinterface	function
F xmlwithindex		setvalidkeys	function
F year		setvariable	function
setconstant	function	showmessage	function
setcount	function	storedscanners	data table
setdimen	function	strings	table
setelement	function	syntax	data table
setformat	function	tolist	function
setmacro	function	translations	data table
setmessage	function	variables	data table
setmessages	function	writestatus	function
settranslation	function		

io (basic lua)

ask	function	pathseparator	string
bytes	function	popen	overloaded function
characters	function	read	function
close	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
noflines	function	type	function
open	overloaded function	write	function
output	overloaded function		

jit (context)

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

job (context)

comment	function	F find	
datasets	table	F first	
D collected		F get	
F extend		F getcollected	
F getdata		F getdata	
F setdata		F getfield	
D tobesaved		F gettobesaved	
disablesave	function	F inlist	
fileobjreferences	table	F last	
D collected		F list	
D tobesaved		F save	
files	table	F savetagged	
D collected		D tobesaved	
F context		positions	table
B forcerun		F b_column	
F run		F b_region	
D tobesaved		F c	
initialize	function	D collected	
load	function	F column	
loadother	function	F copy	
objects	table	F depth	
D collected		F e_column	
F get		F e_region	
F number		F enhance	
F page		F extra	
F save		F get	
F set		F getreserved	
D tobesaved		F gettobesaved	
pack	boolean	F hangafter	
packversion	number	F hangindent	
pagestates	table	F height	
D collected		F hsize	
F extend		F leftskip	
F realpage		F lowerleft	
F setstate		F lowerright	
D tobesaved		F markregionbox	
passes	table	F n	
F check		F onsamepage	
D collected		F overlapping	
F count		F p	
F define		F page	

F paragraph
F parindent
F position
F r
F region
F replace
F rightskip
F set
F setall
F setdim
F setregionbox
D tobesaved
F upperleft
F upperright
S used
F width
F x
F xy
F y

register	function
save	function
structure	table
D collected	
T components	
T tobesaved	
T branches	
S name	
S type	
variables	table
D checksums	
D collected	
F getchecksum	
F makechecksum	
F restore	
F save	
F setchecksum	
D tobesaved	
version	number

lang (basic tex)

clean	function
clear_hyphenation	function
clear_patterns	function
exceptions	function
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
expand	function	logger	table
expanders	table	F report	
frequencies	table	numbers	data table
F averagecharwidth		postexhyphenchar	function
F getdata		posthyphenchar	function
getdata	function	preexhyphenchar	function
getnumber	function	prehyphenchar	function
hyphenate	function	registered	data table
hyphenators	table	replacements	table
T dictionaries		F add	
D featuresets		F handler	
F handler		F set	
T methods		serializediscretionary	function
F expanded		setexceptions	function
B none		setsynonym	function
F original		showdiscretionaries	function
F tex		unload	function
F traditional		urls	table
B optimize		D characters	
F popmethod		N leftthyphenmin	
F pushmethod		D mapping	
F setmethod		B packslashes	
F setup		N rightthyphenmin	
F showhyphenationtrace		F setcharacters	
T traditional		version	number
F definefeatures		visualizediscretionaries	function
F gettrace		words	table
F hyphenate		F check	
F injecthyphens		T data	
F installmethod		F disable	
F lasttrace		F enable	
F loadpatterns		T enablers	
F registerexception		B enables	

F found

T methods

F load

N threshold

layouts (context)

status	table	F leftorrightpageaction
	F isleftpage	

lfs (extra lua)

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

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

lmx (context)

color	function
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
showdebuginfo	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
categories	function
direct	function
disable	function
enable	function
exporters	table
extendbanner	function
flush	function
help	function
messenger	function
new	function
newline	function
poptarget	function
pushtarget	function
report	function
reportbanner	function
reporter	function
reporters	table
F banner	
F export	
F help	
F info	
F lines	
F version	
reportline	function

reportlines	function
setformats	function
setformatters	function
setlogfile	function
setmessenger	function
setprocessor	function
setprogram	function
settarget	function
settimedlog	function
settranslations	function
show	function
show_close	function
show_load	function
show_open	function
simple	function
simpleline	function
simplelines	function
start_page_number	function
status	function
stop_page_number	function
subdirect	function
subreport	function
system	function
texerrormessage	function
writer	function

lpdf (context)

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

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

lpeg (basic lua)

B	function	finder	function
C	function	firstofsplit	function
Carg	function	frontstripper	function
Cb	function	instrchecker	function
Cc	function	is_lpeg	function
Cf	function	keeper	function
Cg	function	locale	function
Cmt	function	match	function
Cp	function	oneof	function
Cs	function	patterns	data table
Ct	function	pcode	function
P	function	print	function
R	function	ptree	function
S	function	replacer	function
UP	function	secondofsplit	function
UR	function	setmaxstack	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
counter	function	utfchartabletopattern	function
endstripper	function	version	function

ltn12 (extra lua)

BLOCKSIZE number

filter table

 F chain

 F cycle

pump table

 F all

 F step

sink table

 F chain

 F error

 F file

 F null

 F simplify

 F table

source table

 F cat

 F chain

 F empty

 F error

 F file

 F rewind

 F simplify

 F string

lua (basic tex)

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

luatex (context)

cleanuptempfiles function
registerdumpactions function
registerpageactions function
registerstartactions function

registerstopactions function
registertempfile function
starttime number

lxml (context)

addindex	function	flush	function
all	function	flushlinewise	function
applyfunction	function	flushsetups	function
applyselectors	function	flushspacewise	function
att	function	get_id	function
attribute	function	getid	function
badinclusions	function	getindex	function
chainattribute	function	id	function
checkindex	function	idsplitter	userdata
collected	function	include	function
command	function	inclusion	function
concat	function	inclusions	function
concatrange	function	index	function
content	function	inlineverbatim	function
context	function	installsetup	function
convert	function	last	function
count	function	lastatt	function
delete	function	lastmatch	function
direct	function	load	function
directives	table	loadbuffer	function
F after		loaddata	function
F before		loaded	table
F handle		main	function
F load		match	function
F setup		name	function
displayverbatim	function	namespace	function
doif	function	nonspace	function
doifelse	function	path	function
doifelseempty	function	pos	function
doifsetext	function	position	function
doifempty	function	pure	function
doifnot	function	raw	function
doifnotempty	function	rawroot	function
doifnottext	function	rawtex	function
doiftext	function	refatt	function
element	function	register	function
elements	function	registerentity	function
entities	data table	removesetup	function
filter	function	resetcdata	function
filterlist	function	resetsetups	function
first	function	resolvedentity	function

root	function
save	function
serialize	function
setaction	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setsetup	function
snippet	function
sorters	table
F add	
F compare	
F flush	
F reset	
F show	
F sort	
splitid	function

startraw	function
startunesaped	function
stopraw	function
stopunesaped	function
store	function
strip	function
stripped	function
tag	function
text	function
tobuffer	function
tofile	function
toparameters	function
toverbatim	function
verbatim	function
withindex	function
xmltexhandler	data table

math (basic lua)

abs	function	log10	function
acos	function	max	function
asin	function	min	function
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	function
deg	function	randomseed	function
div	function	round	function
even	function	setrandomseed	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		

mathematics (context)

addfallbacks	function	makefont	function
alphabets	data table	mapremap	data table
alternatives	data table	overloadadditions	function
big	function	overloadparameters	function
boldmap	data table	privatebase	number
categories	table	registerdomain	function
D functions		remapalphabets	function
charactersets	data table	renderings	table
checkaccentbaseheight	function	D mappings	
checkprivateparameters	function	D numbers	
classes	data table	D sets	
codes	data table	renderset	function
define	function	resetattributes	function
dimensions	function	resetitalics	function
domains	table	scaleparameters	function
extensiblecode	function	setalternate	function
extensibles	data table	setdomain	function
extrabase	number	setitalics	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
gaps	data table	tweakbeforecopyingfont	function
getboth	function	tweaks	table
getdomain	function	utfmathaccent	function
getitalics	function	utfmathclass	function
getstyle	function	utfmathcommand	function
horizontalcode	function	utfmathfiller	function
initializeparameters	function	utfmathstretch	function
injectfallbacks	function		

mbox (context)

parse	function
parse_from	function
parse_header	function
parse_headers	function

parse_message	function
split_headers	function
split_mbox	function
split_message	function

md5 (extra lua)

HEX	function
crypt	function
dec	function
decrypt	function

exor	function
hex	function
sum	function
sumhexa	function

metapost (context)

analyzeplugins	function	gettext	function
checkformat	function	graphic	function
checktexts	function	graphic_base_pass	function
collapse	boolean	initializescriptrunner	function
colorinitializer	function	instance	function
convert	function	intermediate	table
defaultformat	string	T actions	
defaultinstance	string	F makempy	
defaultmethod	string	lastlog	string
directrun	function	load	function
escaped	function	makempy	table
exectime	table	N nofconverted	
extensiondata	data table	F processgraphics	
filterclippath	function	F registerfile	
flush	function	maketext	function
flushers	table	metafun	table
T pdf		F interpolate	
F comment		F topath	
F flushfigure		method	number
F startfigure		mptopdf	table
F stopfigure		F convertmptstopdf	
F textfigure		N nofconverted	
flushliteral	function	n	number
flushnormalpath	function	nvformat	function
flushreset	function	optimize	boolean
fonts	table	parse	function
F define		pdfliterals	function
T flusher		pluginactions	function
F flushfigure		process	function
F startfigure		processplugins	function
F stopfigure		processspecial	function
N instances		properties	table
F process		quickanddirty	function
format	function	reducetogray	boolean
format_number	function	reporterror	function
format_string	function	reset	function
formatnumber	function	resetlastlog	function
getclippath	function	resetplugins	function
getextensions	function	runscript	function
getjobdata	function	scripterror	function
getstatistics	function	setextensions	function

setoutercolor

settext

showlog

simple

svformat

tex

F get

F reset

F set

function

function

boolean

function

function

table

F setfrombuffer

texerrors

texttextsdata

theclippath

totable

unload

untagvariable

variables

boolean

function

function

function

function

function

table

mime (extra lua)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

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

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

mplib (extra tex)

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

noads (context)

handlers table

- F alternates
- F autofences
- F classes
- F collapse
- F domains
- F families
- F italics
- F relocate
- F render
- F resize
- F showtree
- F tags

F unscript

F variants

process function

processnested function

processors table

T autofences

T collapse

F mlist_to_hlist

T relocate

T render

T resize

T unscript

processouter function

node (basic tex)

copy	function	F insert_before
copy_list	function	F is_char
count	function	F is_direct
current_attr	function	F is_glyph
dimensions	function	F is_node
direct	table	F is_zero_glue
F copy		F kerning
F copy_list		F last_node
F count		F length
F current_attr		F ligaturing
F dimensions		F new
F do_ligature_n		F protect_glyph
F effective_glue		F protect_glyphs
F end_of_math		F protrusion_skippable
F find_attribute		F remove
F first_glyph		F set_attribute
F flush_list		F set_properties_mode
F flush_node		F setboth
F flush_properties_table		F setbox
F free		F setchar
F get_attribute		F setdisc
F get_properties_table		F setfield
F getboth		F setglue
F getbox		F setleader
F getchar		F setlink
F getdisc		F setlist
F getfield		F setnext
F getfont		F setprev
F getglue		F setproperty
F getid		F setsubtype
F getleader		F slide
F getlist		F tail
F getnext		F todirect
F getprev		F tonode
F getproperty		F toString
F getsubtype		F traverse
F has_attribute		F traverse_char
F has_field		F traverse_id
F has_glyph		F unprotect_glyphs
F hpack		F unset_attribute
F insert_after		F usedlist

F vpack		is_zero_glue	function
F write		kerning	function
do_ligature_n	function	last_node	function
effective_glue	function	length	function
end_of_math	function	ligaturing	function
family_font	function	mlist_to_hlist	function
fields	function	new	function
find_attribute	function	next	function
first_glyph	function	prev	function
flush_list	function	protect_glyph	function
flush_node	function	protect_glyphs	function
flush_properties_table	function	protrusion_skippable	function
free	function	remove	function
get_attribute	function	set_attribute	function
get_properties_table	function	set_properties_mode	function
getboth	function	setboth	function
getchar	function	setfield	function
getdisc	function	setglue	function
getfield	function	setlink	function
getfont	function	setnext	function
getglue	function	setprev	function
getid	function	setProperty	function
getleader	function	slide	function
getlist	function	subtype	function
getnext	function	subtypes	function
getprev	function	tail	function
getproperty	function	tostring	function
getsubtype	function	traverse	function
has_attribute	function	traverse_char	function
has_field	function	traverse_id	function
has_glyph	function	type	function
hpack	function	types	function
id	function	unprotect_glyphs	function
insert_after	function	unset_attribute	function
insert_before	function	usedlist	function
is_char	function	vpack	function
is_glyph	function	whatsits	function
is_node	function	write	function

nodes (context)

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

F copy		F setup	
F getligaindex		F stage_one	
F handler		F stage_two	
F installnewkern		D data	
F keepcounts		F finalize	
F reset		F number	
F resetcounts		N scratchbox	
F setcursive		link	function
F setkern		linked	function
F setligaindex		list	function
F setmark		listablefields	data table
F setpair		listcodes	data table
F setspacekerns		listtoutf	function
insert_after	function	load	function
insert_before	function	locate	function
insert_list_after	function	margincodes	data table
installattributehandler	function	marginkerncodes	data table
is_char	function	markers	table
is_direct	function	F get	
is_display_math	function	mathcodes	data table
is_glyph	function	maxboxwidth	function
is_mirrored	data table	mlist_to_hlist	function
is_node	function	new	function
is_nut	function	noadcodes	data table
is_rotated	data table	nodecodes	data table
is_zero_glue	function	nopts	function
ischar	function	nuts	table
isglyph	function	F append	
kerncodes	data table	F concat	
kerning	function	F copy	
keys	table	F copy_list	
T whatsit		F copy_properties	
last_node	function	F copyvisual	
leadercodes	data table	F count	
leftmarginwidth	function	F current_attr	
ligaturing	function	F delete	
linefillers	table	F dimensions	
D data		F do_ligature_n	
F define		F effective_glue	
F enable		F end_of_math	
F handler		F first_glyph	
lines	table	F firstcharacter	
T boxed		F firstcharinbox	
F register		F firstglyph	

F flush_list	F mlist_to_hlist
F flush_node	F nestedtracedslide
F free	F new
F fullhpack	T pool
F getattr	F baselineskip
F getattribute	F boundary
F getboth	F cleanup
F getbox	F disc
F getchar	F emptyrule
F getdisc	F fontkern
F getfield	F glue
F getfont	F gluespec
F getglue	F glyph
F getid	F hlist
F getleader	F italicern
F getlist	F kern
F getnext	F latelua
F getprev	F lateluafunction
F getprop	F leftmarginkern
F getskip	F leftskip
F getsubtype	F lineskip
F has_attribute	F negatedglue
F has_field	F noad
F has_glyph	F pdfannotation
F hpack	F pdfdestination
F insert_after	F pdfdirect
F insert_before	F pdfliteral
F insert_list_after	F pdfrestore
F is_char	F pdfsave
F is_direct	F pdfsetmatrix
F is_display_math	F penalty
F is_glyph	F register
F is_node	F rightmarginkern
F is_nut	F rightskip
F is_zero_glue	F rule
F ischar	F shrink
F isglyph	F special
F kerning	F stretch
F last_node	F temp
F leftmarginwidth	F textdir
F ligaturing	F usage
F link	F userattributes
F linked	T userids
F locate	N margins.inline

N property
 N splitters.one
 N splitters.two
 F userlist
 F userlua
 F usernumber
 F userrule
 F userstring
 F usertokens
 F vlist
 F wordboundary
 F zeroglue
 F prepend
 F protect_glyph
 F protect_glyphs
 F protrusion_skippable
 F rawprop
 F reference
 F rehpick
 F remove
 F repackhlist
 F replace
 F rightmarginwidth
 F set_attribute
 F setattr
 F setattribute
 F setattributes
 F setboth
 F setbox
 F setchar
 F setdisc
 F setfield
 F setglue
 F setleader
 F setlink
 F setlist
 F setnext
 F setprev
 F setprop
 F setsubtype
 F setunsetattributes
 F setvisual
 F setvisuals
 F slide

F somepenalty
 F somespace
 F splitbox
 F tail
 F takebox
 F takelist
 F theprop
 F tonode
 F tonodes
 F tonut
 F tosequence
 F toString
 F tracedslide
 F traverse
 F traverse_char
 F traverse_id
 T typesetters
 F tohbox
 F tohpick
 F tonodes
 F to vbox
 F tovpick
 F unprotect_glyphs
 F unset_attribute
 F unsetattribute
 F unsetattributes
 F untracedslide
 F usedlist
 F vianodes
 F vianuts
 F vpack
 F write

packlist
pardir_is_equal
pardir_is_opposite
pardir_is_parallel
partextdir_is_equal
penaltycodes
plugindata

F finalizer
 F initializer
 S name
 T namespace
 N attribute

function
 data table
 data table
 data table
 data table
 data table
 table

D data		protect_glyphs	function
F enable		protrusion_skippable	function
F handler		pts	function
F register		radicalcodes	data table
D registered		reference	function
D values		references	table
F processor		N attribute	
points	function	T done	
pool	table	F handler	
F baselineskip		T stack	
F cleanup		rehpack	function
F glyph		remove	function
F kern		repackhlist	function
F latelua		replace	function
F lateluafunction		report	function
F lineskip		rightmarginwidth	function
F pdfdirect		rulecodes	data table
F pdfliteral		rules	table
F pdfrestore		D data	
F pdfsave		F define	
F pdfsetmatrix		F enable	
F register		F handler	
F rule		T ruleactions	
F special		F draw	
F usage		F fill	
F usernumber		F mp	
prepend	function	F stroke	
print	function	F userrule	
processors	table	save	function
B enabled		serialize	function
F hpack_filter		serializebox	function
F post_linebreak_filter		set_attribute	function
F pre_linebreak_filter		setattributes	function
F tracer		setbox	function
processwords	function	setboxtonaturalwd	function
properties	table	setfield	function
T actions		setglue	function
F delayed		setunsetattributes	function
F fdelayed		shifts	table
F immediate		D data	
F attach		F define	
T data		F enable	
F delayed		F handler	
protect_glyph	function	show	function

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

F codes		unprotect_glyphs	function
F features		unset_attribute	function
F font		unsetattribute	function
F glyphs		unsetattributes	function
F message		usedlist	function
F messages		usercodes	data table
F nofsteps		vianodes	function
F register		vianuts	function
F reset		visualizebox	function
F start		visualizers	table
F stop		F box	
F stop		F handler	
T transparencies		F markfonts	
F reset		F setfont	
F set		F setlayer	
F setlist		F setvisual	
traverse	function	vpack	function
traverse_char	function	whatcodes	data table
traverse_id	function	whatsitcodes	data table
typesetters	table	whatsitters	table
F hbox		T getters	
F hpack		T dimensions	
F tohbox		T width	
F tohpack		T setters	
F tonodes		T dimensions	
F toinbox		T width	
F tovpack		write	function
F vpack			

number (context)

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

objects (context)

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

os (basic lua)

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

package (basic lua)

config	string	loaded	table
cpath	string	loaders	table
extralibpath	function	loadlib	function
extralibpaths	function	luapaths	function
extralupath	function	path	string
extralupaths	function	preload	table
helpers	table	searchpath	function
libpaths	function	seeall	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)

fontname	function	immediateobj	function
fontobjnum	function	mapfile	function
fontsize	function	mapline	function
getcatalg	function	maxobjnum	function
getcompresslevel	function	newcolorstack	function
getdecimaldigits	function	obj	function
getdestmargin	function	objtype	function
gethpos	function	pageref	function
getignoreunknownimages	function	print	function
getinclusionerrorlevel	function	refobj	function
getinfo	function	registerannot	overloaded function
getlastannot	function	reserveobj	function
getlastlink	function	setcatalg	overloaded function
getlastobj	function	setcompresslevel	function
getlinkmargin	function	setdecimaldigits	function
getmajorversion	function	setdestmargin	function
getmatrix	function	setignoreunknownimages	function
getminorversion	function	setinclusionerrorlevel	function
getnames	function	setinfo	overloaded function
getobjcompresslevel	function	setlinkmargin	function
getorigin	function	setmajorversion	function
getpageattributes	function	setminorversion	function
getpageresources	function	setnames	overloaded function
getpagesattributes	function	setobjcompresslevel	function
getpkresolution	function	setorigin	function
getpos	function	setpageattributes	overloaded function
getretval	function	setpageresources	overloaded function
getsuppressoptionalinfo	function	setpagesattributes	overloaded function
getthreadmargin	function	setpkresolution	function
gettrailer	function	setsuppressoptionalinfo	function
gettrailerid	function	setthreadmargin	function
getversion	function	settrailer	overloaded function
getvpos	function	settrailerid	function
getxformattributes	function	setxformattributes	function
getxformmargin	function	setxformmargin	function
getxformresources	function	setxformresources	function
hasmatrix	function	xformname	function

pdfscanner (context)

scan function

physics (context)

units table

F registerunit

D tables

profiler (extra lua)

pause function
resume function

start function
stop function

publications (context)

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

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

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

F showfields		usedataset	function
F showhashedauthors		usedentries	function
F showtables		writers	table
F showvariants		F author	
typesetters	table	F keyword	
F author		F pagenumber	
F string		F range	

regimes (context)

cleanup	function
disable	function
enable	function
fromregime	function
pop	function

process	function
push	function
toregime	function
translate	function

resolvers (context)

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

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

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

sandbox (context)

binaryhandler	function
disablerunners	function
enable	function
filehandlerone	function
filehandlertwo	function
finalizer	function
initializer	function
iohandler	function
logcalls	function
logfiles	function
original	function
overload	function
possiblepath	function

redefine	function
register	function
registerbinary	function
registerroot	function
registerrunner	function
report	function
run	function
runhandler	function
setfilenamelogger	function
setlogger	function
setreporter	function
settrace	function
validfilename	function

scripts (context)

autofontfeature table

 F disable

 F enable

 F handler

categorytonumber data table

colors data table

decomposehangul function

defaults table

 N inter_char_half_shrink_factor

 N inter_char_half_stretch_factor

 N inter_char_hangul_penalty

 N inter_char_quarter_shrink_factor

 N inter_char_quarter_stretch_factor

 N inter_char_shrink_factor

 N inter_char_stretch_factor

 N inter_word_stretch_factor

handlers data table

hash table

injectors data table

installdataset function

installmethod function

numbertocategory data table

numbertodataset data table

numbertohandler data table

reset function

set function

splitters data table

set (context)

contains function

create function

tolist function

tonumber function

totable function

socket (extra lua)

BLOCKSIZE number
_DEBUG boolean
_SETSIZE number
bind function
choose function
connect function
connect4 function
connect6 function
dns table

F getaddrinfo
F gethostname
F getnameinfo
F tohostname
F toip

ftp table

S PASSWORD
N PORT
N TIMEOUT
S USER
F command
F get
F open
F put

gettime function

headers table

T canonic
S accept
S accept-charset
S accept-encoding
S accept-language
S accept-ranges
S action
S age
S allow
S alternate-recipient
S arrival-date
S authorization
S bcc
S cache-control
S cc
S comments

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

S received
 S received-from-mta
 S references
 S referer
 S remote-mta
 S reply-to
 S reporting-mta
 S resent-bcc
 S resent-cc
 S resent-date
 S resent-from
 S resent-message-id
 S resent-reply-to
 S resent-sender
 S resent-to
 S retry-after
 S return-path
 S sender
 S server
 S smtp-remote-recipient
 S status
 S subject
 S te
 S to
 S trailer
 S transfer-encoding
 S upgrade
 S user-agent
 S vary
 S via
 S warning
 S will-retry-until
 S www-authenticate
 S x-mailer

http **table**

N PORT
 N TIMEOUT
 S USERAGENT
 F open
 F request

newtry **function**

protect **function**
select **function**
sink **function**
sinkt **table**

F close-when-done
 F default
 F http-chunked
 F keep-open

skip **function**
sleep **function**
smtp **table**

S DOMAIN
 N PORT
 S SERVER
 N TIMEOUT
 S ZONE
 F message
 F open
 F send

source **function**
sourcet **table**

F by-length
 F default
 F http-chunked
 F until-closed

tcp **function**
tcp6 **function**
tp **table**

N TIMEOUT
 F connect

try **function**
udp **function**
udp6 **function**
url **table**

F absolute
 F build
 F build_path
 F escape
 F parse
 F parse_path
 F unescape

sorters (context)

basicsorter function

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitoffset

 N ignoredoffset

 N replacementoffset

 T validmethods

 B ch

 B mc

 B mm

 B pc

 B pm

 B uc

 B zc

 B zm

definitions data table

firstofsplit function

packch function

packuc function

setlanguage function

sort function

splitters table

 F utf

strip function

tracers data table

update function

statistics (context)

checkfmtstatus	function
elapsed	function
elapsedindeed	function
elapsedseconds	function
elapsedtime	function
enable	boolean
formatruntime	function
hastiming	function
memused	function
register	function

resettiming	function
runtime	function
savefmtstatus	function
show	function
starttiming	function
stoptiming	function
threshold	number
timed	function
tracefunction	function

status (basic tex)

list function
resetmessages function

storage (context)

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

streams (context)

collect	function
disable	function
enable	function
flush	function
initialize	function

push	function
start	function
stop	function
synchronize	function

string (basic lua)

autodouble	function	optionalquoted	function
autosingle	function	quote	function
booleanstring	function	quoted	function
byte	function	rep	function
bytepairs	function	replacenewlines	function
bytes	function	reverse	function
char	function	split	function
characterpairs	function	splitlines	function
characters	function	splitup	function
checkedsplit	function	strip	function
collapsespaces	function	sub	function
count	function	tformat	function
dump	function	toHEX	function
escapedpattern	function	toboollean	function
explode	function	tobytes	function
find	function	tocontext	function
format	function	todec	function
formatter	function	todimen	function
formatters	function	tohex	function
fullstrip	function	tonodes	function
gmatch	function	topattern	function
gsub	function	totable	function
is_boolean	function	toutf	function
is_empty	function	tracedchar	function
itself	function	tracedchars	table
len	function	unquote	function
limit	function	unquoted	function
longtostring	function	upper	function
lower	function	utfcharacters	function
match	function	utfvalues	function
nspace	table	valid	function

structures (context)

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

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

F resetpostponed		D flaginternals
F restore		F from
F save		D functions
F setstate		F get
D states		F getcurrentmetadata
F store		F getcurrentprefixspec
pages	table	F getinnermethod
F analyze		F getinternalcachedlistreference
D collected		F getinternallistreference
F in_body		F getinternalreference
F is_odd		D handlers
N nopages		F identify
F number		F import
F on_right		F inject
F save		F injectcurrentset
D tobesaved		S innermethod
references	table	D internals
F analyze		F load
F checkedfile		F loadpresets
F checkedfileorurl		F mark
F checkedprogram		D pages
F checkedrealpage		U prefixsplitter
F checkedurl		D productdata
D collected		T programs
U componentsplitter		T data
F currentmetadata		F define
F currentorder		F get
D currentset		F realpageofpage
F define		U referencesplitter
D defined		D referred
D derived		F referredpage
F enableinteraction		F registerfinalizer
F enhance		F registerinitializer
D executers		F registerpage
F expandcurrent		F reportproblems
F export		F reset
T files		D runners
T data		F set
F define		F setandgetattribute
F found		F setcomponent
F get		F setinnermethod
F filter		F setinternalreference
F filterdefault		F setnextinternal
D filters		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
- 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 load
- 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 elementtag
F setlevel	F finishexport
F setnumber	F getid
F structuredata	F handler
F title	D labels
D tobesaved	F last
F typesetnumber	F lastinchain
F userdata	F locatedtag
B verbose	T patterns
sets	U splitter
F define	D properties
F get	F registermetadata
F getall	F restart
D setlist	F setaspect
specials	F setattributefield
D collected	F setcombination
F retrieve	F setfigure
F store	F sethighlight
D tobesaved	F setitem
synonyms	F setitemgroup
F analyzed	F setlist
D collected	F setnotation
F compare	F setnotationsymbol
F define	F setproperty
F filter	F setregister
F finalize	F setsorting
F flush	F setsynonym
F isshown	F settablecell
F isused	F settabulatecell
F meaning	F settagdelimitedsymbol
F prepare	F settagsubsentencesymbol
F process	F setupexport
F register	F setuserproperties
F registershown	D specifications
F registerused	F start
F resetshown	F stop
F resetused	F strip
F sort	D taglist
F synonym	T usewithcare
D tobesaved	T images
tags	

table (basic lua)

allkeys	function	prepend	function
append	function	print	function
are_equal	function	remove	function
autokey	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	setmetatablekey	function
drop	function	setmetatablenewindex	function
fastcopy	function	sort	function
fastserialize	function	sorted	function
filtered	function	sortedhash	function
flattened	function	sortedhashkeys	function
foreach	function	sortedhashonly	function
foreachi	function	sortedindexonly	function
fromhash	function	sortedkeys	function
getmetatablekey	function	sortedpairs	function
getn	function	sparse	function
has_one_entry	function	strip	function
identical	function	sub	function
imerge	function	swapped	function
imerged	function	tocontext	function
insert	function	tocsv	function
is_empty	function	tofile	function
keys	function	tohandle	function
load	function	tohash	function
loweredkeys	function	toxml	function
maxn	function	twowaymapper	function
merge	function	unique	function
merged	function	unnest	function
mirrored	function	unpack	function
pack	function	values	function

tex (basic tex)

attribute	table	gettoks	function
badness	function	getuccode	function
box	table	glue	table
catcode	table	hashtokens	function
conditionals	data table	ifs	data table
constants	data table	inimatcodes	number
count	table	init_rand	function
cprint	function	isattribute	function
ctdcatcodes	number	isbox	function
ctxcatcodes	number	iscount	overloaded function
definefont	function	isdefined	function
delcode	table	isdimen	overloaded function
dimen	table	ismuskip	overloaded function
directives	data table	isskip	overloaded function
enableprimitives	function	istoken	function
error	function	istoks	function
extraprimitives	function	lccode	table
finish	function	linebreak	function
fontidentifier	function	lists	table
fontname	function	lua_math_random	function
fprint	function	lua_math_randomseed	function
get	function	luacatcodes	number
getattribute	function	mathcode	table
getbox	function	modes	data table
getboxresourcedimensions	function	muglue	table
getcatcode	function	muskip	table
getcount	function	nest	table
getdelcode	function	nilcatcodes	number
getdelcodes	function	normal_rand	function
getdimen	function	notcatcodes	number
getglue	function	number	function
getlccode	function	primitives	function
getlist	function	print	function
getmath	function	prtcacodes	number
getmathcode	function	resetparagraph	function
getmathcodes	function	romannumeral	function
getmuglue	function	round	function
getmuskip	function	run	function
getnest	function	saveboxresource	function
getsfcode	function	scale	function
getskip	function	scantoks	function

set	function	skip	table
setattribute	function	sp	function
setbox	function	splitbox	function
setcatcode	function	sprint	function
setcount	function	systemmodes	data table
setdelcode	function	takebox	function
setdimen	function	texcatcodes	number
setglue	function	toks	table
setlccode	function	tpacatcodes	number
setlist	function	tpbcatcodes	number
setmath	function	tprint	function
setmathcode	function	trackers	data table
setmuglue	function	triggerbuildpage	function
setmuskip	function	txtcatcodes	number
setnest	function	type	function
setsfcode	function	uccode	table
setskip	function	uniform_rand	function
settoks	function	uniformdeviate	function
setuccode	function	uprint	function
sfcode	table	useboxresource	function
shipout	function	vrbcatcodes	number
show_context	function	write	function

texconfig (basic tex)

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

texio (basic tex)

setescape function
write function

write_nl function

tokens (context)

astable function
bgroup userdata
bits table

N active
N alignment
N begingroup
N character
N close
N comment
N endgroup
N endoffline
N escape
N ignore
N invalid
N letter
N mathshift
N open
N other
N parameter
N space
N subscript
N superscript
N whitespace

collectors table

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

compile function
constant function
converters table

S toboolean
S todimen
S toglue
S tonumber
S tostring

defined function
egroup userdata
getters table

F box
F count
F dimen
F glue
F skip
F token

hbox userdata
istoken function
letter function
letters function
other function
pickup function
printlist function
scanners table

F boolean
F code
F conditional
F count
F csname
F dimen
F dimension
F glue
F integer
F keyword
F list
F lxmlid
F number
F scanclose
F scanopen
F skip
F string
F token
F tokens
F toks
F word

scantable function
setters table
F box

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

F defined	N open	
U egroup	F report	
T getters	F scanboolean	
F box	F scanclose	
F count	F scancode	
F dimen	F scanconditional	
F glue	F scansname	
F skip	F scandimen	
F token	F scandimension	
U hbox	F scaninteger	
F istoken	F scankeyword	
F letter	F scanlist	
F letters	F scannumber	
F other	F scanopen	
F pickup	F scanstring	
F printlist	F scanword	
F scantable	F toboolean	
T setters	F todimen	
F box	F tonumber	
F count	F tostring	
F dimen	U vbox	
F glue	U vtop	
F macro	F tonumber	
F skip	F tostring	
T shortcuts	vbox	userdata
N close	vtop	userdata
F inspect		

tracers (context)

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

trackers (context)

data	data table	register	function
default	function	report	function
disable	function	reset	function
dumphashtofile	function	savehash	function
enable	function	show	function
list	function	value	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			initials	table
F set			T actions	
characteralign	table		F default	
F handler			F addanchortoline	
F resetcharacteralign			F addtoline	
F setcharacteralign			F calculatedelta	
characters	table		F checkline	
F handler			F handler	
T methods			F moveinline	
F replacensp			F normalize	
F replacenspaces			F set	
checkers	table		injectors	table
F handler			F check	
F reset			T list	
F set			F mark	
cleaners	table		F reset	
F handler			F set	
F set			F show	
digits	table		italics	table
T actions			F enablemath	
F handler			F enabletext	
F set			F forcevariant	
directions	table		F handler	
F getfences			F reset	
F getglobal			F set	
F getmethod			kerns	table
F handler			D factors	

F handler	
F keepligature	
B keptogether	
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	
processors	table
F apply	
F register	
F reset	
F split	
F startapply	
F stopapply	
F stripped	
F tostring	
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	

unicode (extra lua)

ascii table

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

grapheme table

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

latin1 table

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

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

utf8 table

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

F utf16_to_utf8_be
F utf16_to_utf8_be_t
F utf16_to_utf8_le
F utf16_to_utf8_le_t
F utf16_to_utf8_t
F utf32_to_utf8_be
F utf32_to_utf8_be_t
F utf32_to_utf8_le
F utf32_to_utf8_le_t

F utf32_to_utf8_t
F utf8_to_utf16
F utf8_to_utf16_be
F utf8_to_utf16_le
F utf8_to_utf8_t
F values
F xstring

url (context)

addscheme	function
barepath	function
construct	function
escape	function
filename	function
hashed	function

hascheme	function
query	function
split	function
toquery	function
unescapeget	function

utilities (context)

debugger	table	
F disable		B alwaysstripcode
F enable		F compile
F savestats		F loadedluacode
F showstats		F loadstripped
F showtraceback		N nofstrippedbytes
		N nofstrippedchunks
files	table	B stripcode
F close		T strippedchunks
F getposition		F strippedloadstring
F look		T suffixes
F open		S lua
F read2dot14		S luc
F readbyte		S lui
F readbytes		S luj
F readcardinal		S luv
F readcardinal1		S tma
F readcardinal2		S tmc
F readcardinal3		S tua
F readcardinal4		S tuc
F readchar		
F readfixed4		packers table
F readinteger		F hashed
F readinteger1		F new
F readinteger2		F pack
F readinteger4		F simplehashed
F readstring		F strip
F readtag		F unpack
F setposition		N version
F size		parsers table
F skip		F add_settings_to_array
F skiplong		F arguments_to_table
F skipshort		F array_to_string
formatters	table	F csvsplitter
F formatcolumns		F getparameters
F list		F groupedsplitat
F stripzeros		F hash_to_string
garbagecollector	table	T hashes
F check		T settings_to_set
N criterium		T max,fit,broad,auto
B enabled		B auto
lua	table	B broad
		B fit

B max		F disablegroup	
T text,hidden,paper,page,leftpage,rightpage		F enableaction	
B hidden		F enablegroup	
B leftpage		D functions	
B page		F localize	
B paper		F new	
B rightpage		F nodeprocessor	
B text		F prependaction	
F iterator		F prependgroup	
F keq_to_hash		F removeaction	
F listitem		F replaceaction	
F make_settings_to_hash_pattern		F setkind	
F mergehashes		F tostring	
F options_to_array		setters	table
F options_to_hash		F disable	
T patterns		F enable	
U settings_to_array		F initialize	
U settings_to_hash_a		F list	
U settings_to_hash_b		F new	
U settings_to_hash_c		F register	
U unittotex		F report	
F process_stripped_settings		F reset	
F rfc4180splitter		F show	
F runtime		stacker	table
F settings_to_array		F new	
F settings_to_array_obey_fences		storage	table
F settings_to_array_with_repeat		F allocate	
F settings_to_hash		F checked	
F settings_to_hash_strict		F mark	
F settings_to_hash_tolerant		F marked	
F settings_to_set		F setinitializer	
F simple_hash_to_string		F sparse	
F splitmethod		streams	table
F splitthousands		F close	
F stepper		F getposition	
F stripped_settings_to_array		F look	
F unittotex		F open	
F unittotxml		F read2dot14	
report	function	F readbyte	
sequencers	table	F readbytes	
F appendaction		F readcardinal	
F appendgroup		F readcardinal1	
F compile		F readcardinal2	
F disableaction		F readcardinal3	

F readcardinal4	U prune and collapse
F readchar	U prune and no empty
F readfixed4	U retain
F readinteger	U retain and collapse
F readinteger1	U retain and no empty
F readinteger2	F striplines
F readinteger4	F striplong
F readstring	F tabtospace
F setposition	T tracers
F size	tables table
F skip	F accesstable
F skipbytes	F definedtable
F skiplong	F definetable
F skipshort	F encapsulate
strings table	F insertaftervalue
F collapsecrlf	F insertbeforevalue
T formatters	F migratetable
F add	F removevalue
F new	F replacevalue
F newrepeater	templates table
F nice	F load
T striplinepatterns	F replace
U collapse	F replacer
U prune	F resolve

vf (context)

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

pop	function
push	function
right	function
rule	function
special	function

visualizers (context)

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

F all	F match	
F attribute	F name	
F chainattribute	F position	
F chainpath	F reverse	
F command	F table	
F concat	F tag	
F concatrange	F tags	
F context	F text	
F count	F texts	
F ctxtext	F upperall	
F default	first	function
F first	found	function
F function	functions	table
F index	getbuffer	function
F last	gethandlers	function
F lettered	gethandlersfunction	function
F lower	helpers	table
F lowerall	F recursetext	
F match	include	function
F name	inclusion	function
F position	inclusions	function
F reverse	index	function
F stripped	inheritedconvert	function
F tag	inject	function
F tags	inject_element	function
F text	inject_element_after	function
F upper	inject_element_before	function
F upperall	injectafter	function
T xml	injectbefore	function
F all	insert	function
F att	insert_element	function
F attribute	insert_element_after	function
F attributes	insert_element_before	function
F cdata	insertafter	function
F chainattribute	insertbefore	function
F count	insertcdata	function
F default	insertcomment	function
F elements	inspect	function
F empty	is_valid	function
F first	kind	function
F function	last	function
F index	lastmatch	function
F last	load	function
F lowerall	lpath	function

lpathcached	function	selection	function
lpathcalls	function	separate	function
lshow	function	serialize	function
makestandalone	function	setcdata	function
match	function	setcomment	function
name	function	sethandlersfunction	function
newhandlers	function	setinjectors	function
nodesettostring	function	setproperty	function
originalload	function	settings	function
package	function	specialcodes	table
parent	function	S "	
parsedentitylpeg	userdata	S #	
pihandlers	table	S \$	
F injector		S %	
placeholders	table	S &	
F unknown_any_entity		S '	
F unknown_dec_entity		S <	
F unknown_hex_entity		S >	
position	function	S \	
privatecodes	table	S {	
privatetoken	function	S	
process	function	S }	
process_attributes	function	S ~	
process_elements	function	specialhandler	table
processattributes	function	sprint	function
profiled	table	string	function
raw	function	strip	function
registerentity	function	strip_whitespace	function
registers	function	stripelement	function
reindex	function	stripleadingspaces	function
remap_name	function	table	function
remap_namespace	function	text	function
remap_tag	function	textonly	function
remapname	function	texttocdata	function
remapnamespace	function	tocdata	function
remaptag	function	toelement	function
renamespace	function	tostring	function
reparsedentitylpeg	userdata	totable	function
replace	function	toxml	function
replace_element	function	tprint	function
resetinjectors	function	traverse	function
resolvens	function	unescaped	function
root	function	unescapedentitylpeg	userdata
save	function	unprivatized	function

unspecialized
with**element**
with**elements**

function
function
function

wrap
xmlns

function
table

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