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

ConT_EXt MkIV

global (alias: _G)

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

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

utf8	table	xml	table
utilities	table	xpcall	function
v	string	zip	table
vf	table	zlib	table
visualizers	table		

attributes (context)

F inbetween

applyoverloads function	F justone
<pre>colorintents table</pre>	F hsvtogray
N attribute	F hsvtorgb
D data	F iccprofile
F enable	F isblack
F handler	N main
F register	S model
D registered	D models
<pre>colors table</pre>	F mpcolor
N attribute	F mpnamedcolor
F cmyk	F mpoptions
F cmyktogray	F namedcolorattributes
F cmyktorgb	N none
F colorcomponents	F popset
D counts	F processcolorcomponents
B couple	F pushset
F currentmodel	F register
F currentnamedmodel	D registered
D data	F registerspotcolor
N default	F rgb
F defineintermediatecolor	F rgbtocmyk
F definemultitonecolor	F rgbtogray
F defineprocesscolor	F rgbtohsv
F defineprocesscolordirect	N selector
F definesimplegray	F setlist
F definespotcolor	F setmodel
F definetransparency	F setpagecolormodel
F enable	D sets
F filter	F spec
N forced	F spot
F forcedmodel	F spotcolorname
F forcesupport	F spotcolorparent
F formatcolor	F spotcolorvalue
F formatgray	B supported
F getpagecolormodel	F toattributes
F gray	F transparencycomponents
F graytohsv	B triggering
F handler	F usecolors
T helpers	D valid
F complement	F value

D values

B weightgray		F	forcesupport	
define	function		handler	
effects	table		names	
N attribute			N color	
D data			N colorburn	
F enable			N colordodge	
F handler			N darken	
F register			N difference	
D registered			N exclusion	
D values			N hardlight	
handlers	table		N hue	
list	data table		N lighten	
markasoverload	function		N luminosity	
names	data table		N multiply	
negatives	table		N none	
N attribute			N normal	
D data			N overlay	
F enable			N saturation	
F handler			N screen	
F register			N softlight	
D registered		N	none	
F set		F	register	
numbers	data table	D	registered	
ofnode	function	В	supported	
private	function	F	toattribute	
public	function	В	triggering	
restore	function	F	value	
save	function	D	values	
showcurrent	function	unse	tvalue	number
states	table	view	erlayers	table
F disabletrigger	ing	N	attribute	
F enabletriggeri	ng	F	cleanup	
F finalize		D	data	
F initialize		F	define	
F process		F	definedlayoutc	omponent
F selective		F	enable	
F stacked		F	forcesupport	
F stacker			handler	
system	function	В	hasorder	
tooverloads	function	D	listwise	
transparencies	table	F	register	
N attribute		D	registered	
D data		F	resolve_begin	
F enable		F	resolve_end	

F resolve_reset
F resolve_step
D scopes
F setfeatures

F start
F stop
B supported
D values

backends (context)

codeinjections table F flushmergelaver F boxresourcedimensions F getbookmarks F registerboxresource F getdefaultfieldvalue F restoreboxresource F getfieldcategory current strina F aetfieldset defaults table F getformatoption T codeiniections F getidentityvariable F getpagedimensions F getinfo F getpageorigin F getpreviewfigure F lmtxmode F insertrenderingwindow F setpagedimensions F maptag F setpageorigin F mergebookmarks T nodeinjections F mergecomments T registrations F mergefields D tables F mergereferences included table F mergeviewerlayers R context F newimage B date F prerollreference B id F presetsymbol B metadata F presetsymbollist B pdf F processrendering install function F registerdocumentcloseaction nodeiniections table F registerdocumentopenaction noflatelua function F registeredsymbol function nothina F registerpagecloseaction table pdf F registerpageopenaction T codeinjections F registersymbol F addbookmarks F scanimage F analyzenormalsymbol F setfieldcalculationset F analyzesymbol F setfigurealternative F attachmentid F setfigurecolorspace F clonefield F setfiguremask F setformat F copyimage F definefield F setformsmethod F definefieldset F setpagetransition F defineviewerlaver F setupcanvas F embedfile F setupidentity F embedimage F setxmpfile F enabletags F startlayer F exportformdata F startunicodetoactualtext F fieldsurrounding F startunicodetoactualtextdirect F stopunicodetoactualtext
F stopunicodetoactualtextdirect

F supportedformats
F unicodetoactualtext
F useviewerlayer
F validfield

F validfieldcategory
F validfieldset

F wrapimage

T nodeinjections
F addtags
F annotation

F attachfile

F changestackedlayer

F cmykcolor
F comment
F destination
F effect
F graycolor
F injectbitmap

F insertmovie
F insertsound
F insertswf

F insertu3d F knockout F negative
F overprint
F positive

F rgbcolor F spotcolor F startlayer

F reference

F startstackedlayer

F stoplayer

F stopstackedlayer
F transparency
F typesetfield
T registrations

F cmykindexcolor F cmykspotcolor

 ${\sf F} \ {\sf getspotcolorreference}$

F grayindexcolor
F grayspotcolor
F rgbindexcolor
F rgbspotcolor
F spotcolorname
F transparency

T tables

D vfspecials

registrations table
tables table
timestamp function

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext function
tonumber function

buffers (context)

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

builders (context)

checksidefloat	function	F start
kernel	table	F stop
F hyphenating		F tag
F hyphenation		profiling table
F kerning		F add
F ligaturing		F distance
F mlist_to_hlist	:	F fixedprofile
paragraphs	table	F get
T constructors		F list
N attribute		F pagehandler
F define		F profilebox
F disable		F set
F enable		vspacing table
F handler		F analyze
T methods		D categories
F basic		F collapsevbox
F default		T data
F hpack		D map
F oneline		D skip
D names		D snapmethods
D numbers		F definesnapmethod
F set		B fixed
F start		F forcepageflush
F stop		F forcestrutdepth
T expansion		F getnofpreviouslines
F trace		F pagehandler
F keeptogether		F pageoverflow
F registertogeth	ner	F popatsame
T solutions		F pushatsame
T splitters		F setmap
F define		F setskip
F optimize		F snapbox
T registered		F synchronizepage
F reset		F tocategories
F set		F tocategory
F split		F vboxhandler

caches (context)

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

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

freeze function B hpack quality functions table B hyphenate F process rule B insert local par B kernina F start page number F stop page number B ligaturing known function B linebreak filter list data table B make_extensible gog function B mlist to hlist function push B new graf function register B open read file function report B page order index supported table B post linebreak filter B append to vlist filter B pre dump B build page insert B pre linebreak filter B buildpage filter B pre output filter B call edit B process input buffer B process_jobname B contribute_filter B define font B process output buffer B find cidmap file B process pdf image content B find_data_file B process rule B find_enc_file B provide_charproc_data B find font file B read cidmap file B find format file B read data file B find_image_file B read enc file B find map file B read font file B find opentype file B read map file B find_output_file B read_opentype_file B find_pk_file B read_pk_file B find read file B read truetype file B find_truetype_file B read_type1_file B read_vf_file B find_type1_file B find_vf_file B show_error_hook B find write file B show error message B finish pdffile B show_lua_error_hook B finish_pdfpage B show_warning_message B start_file B finish synctex B font descriptor objnum provider B start page number B glyph_info B start_run B glyph_not_found B stop_file B glyph stream provider B stop page number B hpack_filter B stop_run

B vpack_quality

catcodes (context)

 register function

characters (context)

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

shape function shaped function shash data table data table shchars shcodes data table function showstring **specialchars** data table specials data table splits table

T char T compat

subscripts superscripts synonyms tex

table table data table table

D accentmapping D commandmapping F defineaccents F safechar

F toutf

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

chemistry (context)

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

molecule
moleculeparser
start
stop
structures
undefine
function
function
number
function

containers (context)

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

converters (context)

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

coroutine (basic lua)

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

ctxrunner (context)

load function prepfiles data table
preparedfile function resolve function

dir (context)

collectpattern	function	globpattern
current	function	ls
expandname	function	makedirs
found	function	mkdirs
glob	function	рор
globdirs	function	push
alohfiles	function	

function

function function function function

directives (context)

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

document (context)

arguments files functions getargument getfilename options data table table table function function table D modes
D modules
etargument

function setargument setcommandline function setdefaultargument function setenvironments function setfilename function setfilenames function setmodes function setmodules function variables data table

D environments
D modes
D modules

T ctxfile

T commandline

D environments

documentdata (context)

variable function

drivers (context)

convert function
converters table

F engine

enable function
helpers table

F tomatrix

install function
instances table

T default T actions F convert

F outputfilename

T flushers
S name
T empty
T actions

actions
F convert

F prepare T flushers

S name

T none
T actions
T flushers

S name

T actions
F convert
F outputfilename

F prepare
T flushers
S name

lmtxversion number
outputfilename function
report function

environment (context)

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

experiments (context)

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

register function report function reset function show function value function

figures (context)

T sizes

B art

applvratio function B bleed badname function B crop bases data table B media bitmapimage function R none boxnumber number B trim data table cachepaths F totable check function T types checkers data table N jbig2 converters data table N jp2 current function N ipq defaultdepth number N memstream defaultheight number N none defaultsearch hool ean N pdf defaultwidth number N png done function N stream function dummv F wrap existers data table include function exists includers data table function formats data table initialize function found data table loaded data table data table function localpaths get data table aetinfo function magics getpdfinfo function mergegoodies function getrealpage function nofmissing number nofprocessed function number auess data table guessfromstring order function function data table hash paths identifiers data table data table patterns identify function function gog table images preferguality boolean data table F check programs function F checksize push registerpattern function F copy registerresource function F create function registersuffix F embed data table T keys remappers data table F print resources scale function F scan function F serialize set

setlookups

setmemstream

function

function

setorder	function	suffixes	data ta	able
setpaths	function	used	data ta	able

file (basic lua)

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

fio (extra lua)

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

floats (context)

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

font (basic tex)

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

fonts (context)

analyzers	table	F collectprocessors
D features		F currentfonthasfeature
D initializers		D designsizes
D methods		D dontembed
F setstate		F enhanceparameters
D states		T enhancers
B useunicodemarks		T afm
checkers	table	F apply
F getmissing		F patch
F missing		T patches
F placeholder		F register
cid	table	F report
F getmap		F register
F loadfile		F report
collections	table	T otf
F checkenabled		F addfeature
F clonevector		F apply
F define		F enhance
T definitions		F patch
F found		T patches
F prepare		F register
F process		F report
F registermain		F register
F report		F report
F reset		T tfm
T vectors		F apply
constructors	table	F patch
F addcharacters		T patches
F addcoreunicodes		F register
B addtounicode		F report
F aftercopyingcha	racters	F register
F applymanipulato	rs	F report
F assignmathparame	eters	N factor
B autocleanup		T features
F beforecopyingcha	aracters	D afm
D cache		D otf
B cacheintex		D tfm
F calculatescale		F finalize
F checkedfeatures		F getfeatureaction
F checkedfilename		F getmathparameter
F cleanuptable		F getprivate

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

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

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

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

B resolvevirtualt	00	D synonyms			
F scale		D unicodes			
F scaled		D cache			
F setfactor		F is_known			
F setfeature		D known			
F setmathparamete	r	F load			
F setname		F make_unicode_vec	ctor		
B sharefonts		D math			
F trytosharefont		N version			
N version		enhanceid	function		
current	function	expansions	data table		
currentid	function	formats	data table		
definers	table	getalternate	function		
F addlookup		getindices	function		
F analyze		getkern	function		
F applypostproces	sors	getmultiple	function		
F checkedmode		getsubstitution	function		
F checkedscript		getters	table		
F current		T alternate			
S defaultlookup		F opentype			
F define		T kern	T kern		
F getspecification F opentype		F opentype			
F internal F typel					
F loadfont	F loadfont F type3				
F makespecification T multiple					
T methods		F opentype			
F install		T substitution			
D variants		F opentype			
F read		goodies	table		
F register		D colorschemes			
F registered		T data			
F registersplit		T dejavu-math			
F resetnullfont		S author			
F resolve	F resolve S comment				
T resolvers	T resolvers S copyright				
F file	B initialized				
F name		T mathematics			
F spec		T alternates			
definetypeface	function	T dotless			
encodings	table	S comment			
T agl		S feature			
D ctxcodes		N value			
D extras		T kerns			
D names		S name			

S version		F	addprivate	
D designsizes		F	appendcommands	
D filenames		F	appendcommandta	ble
F getcompositions		F	checkflags	
T list		F	checkmerge	
F load		F	checksteps	
F prepare_feature	S	F	collectanchors	
F register		D	commands	
F registerpostpro	cessor	F	descriptiontosl	ot
F report		F	dimenfactor	
T suffixes		F	expandglyph	
handlers	table	Т	extraprivates	
hashes	table	F	fontpatternhass	ize
D characters		F	getcoloredglyph	S
D classes		F	getdigitwidth	
D csnames		F	getinstancespec	
D descriptions		F	getparameters	
D dynamics		F	getprivatecharo	rnode
D emwidths		F	getprivatenode	
D exheights		F	getprivates	
D extensibles		F	getprivateslot	
D features		F	hasprivate	
D identifiers		F indextoslot		
D italics		F name		
D lastmathids		F nametoslot		
D marks		F newprivateslot		
D mathparameters		F prependcommands		
D modes		F	prependcommandt	able
D originals		F	privateslot	
D parameters		F	setdigitwidth	
T processes		F	splitfontpatter	n
D properties		F	tochar	
D quads		info	font	function
D resources		iter	ators	table
T setdynamics		F	characters	
T shapes		F	descriptions	
D spaces		F	glyphs	
D spacings		logg	ers	table
T streams		F	add_placeholder	S
D unicodes		D	category_to_pla	ceholder
D variants		F	format	
D xheights		F	onetimemessage	
helpers	table	F	register	
F addextraprivate		F	reportdefinedfo	nts

F reportusedfeatu	res	D sequence	
mappings	table	F tfm	
F addtounicode		F ttc	
F fromunicode16		F ttf	
F loadfile		F woff	
F loadline		reserveid	function
F makenameparser		select	table
D overloads		D alternatives	
F reset		F bodyfont	
F tounicode		D data	
F tounicode16		F default	
F tounicodel6sequ	ence	D defaults	
metapost	table	F definefallbackf	amily
F boundingbox		F definefontfamily	y
F boxtomp		F definefontfamily	ypreset
F draw		D extras	
F fill		F fallback	
F maxbounds		D fallbacks	
F output		F features	
F paths		F filefallback	
F widthline		F fontdata	
F zeroline		F fontfallback	
mp	table	F fontsynonym	
D cache		F goodies	
B inline		F mathfallback	
N version		D methods	
names	data table	D presets	
nulldata	data table	F registerfallbac	k
privateoffsets	table	F registerfiles	
B keepnames		F registerfontalto	ernative
N mathbase		F registerfontfam:	ily
N mathextrabase		F textfallback	
N textbase		F typeface	
N textextrabase		F typescript	
protrusions	data table	F userdata	
readers	table	specifiers	table
F afm		D contextmerged	
F check_lua		F contextnumber	
F check_tfm		D contextnumbers	
F lua		D contextsetups	
F ofm		F contexttostring	
F opentype		F definecontext	
F otf		F mergecontext	
F pfb		F presetcontext	

F registercontext F savefont F showcontext F saveoriginal F splitcontext tracers table table treatments D synonyms D variants F applyfixes symbols table D data T emoji S filename F ignoredfile F checked F resolved F report F uselibrary F trace tables table typefaces table

D data

functions (context)

dummy function

graphics (context)

backgrounds table F fetchmultipar

F pair F path F point

identifiers table

F bitmap

F jp2

F jpg F png

identify function

gzip (extra lua)

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

images (context)

check	function	B none	
checksize	function	B trim	
сору	function	totable	function
create	function	types	table
embed	function	N jbig2	
keys	table	N jp2	
print	function	N jpg	
scan	function	N memstro	eam
serialize	function	N none	
sizes	table	N pdf	
B art		N png	
B bleed		N stream	
B crop		wrap	function
B media			

img (basic tex)

new overloaded function

interactions (context)

attachments data table D functions fields table D preambles F clone F setpreamble F define F storecode F defineset F storepreamble F insert F usepreamblenow general table F usescripts linkedlists data table F getidentity pages table F setupidentity help table F setpagetransition F collect F setupcanvas table references F reference F register F setclosedocument javascripts table F setclosepage F addtopreamble F setopendocument F setopenpage F code renderings data table D codes soundclips data table F flushpreambles

interfaces (context)

data table function addvalidkeys cachedsetups data table function cachesetup checkedspecification function data table complete data table constants data table corenamespaces currentinterface string currentresponse string definecommand function defined function doifelsemessage function elements data table formats data table getcheckedparameters function function getmessage function getnamespace getsetupstring function hashedsetups data table function implement interfacedcommand function interfaces table invalidkey function function message namespaces table

F define

F list

registernamespace registerscanner scanners setconstant setcount setdimen setelement setformat setmacro setmessage setmessages settranslation setupstrings setuserinterface setvalidkevs setvariable showmessage storedscanners strings syntax tolist translations usednamespaces

variables

writestatus

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

function

io (basic lua)

ask function bytes function function characters close function copydata function exists function fileseparator string flush function input overloaded function

lines overloaded function

loadchunk
loaddata function
loadlines function
newreader function
noflines function

 output overloaded function

pathseparator string

write

function read readall function readnumber function readstring function savedata function size function stderr userdata stdin userdata stdout userdata function tmpfile function type

function

job (context)

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

F hangindent	F upperright	
F height	S used	
F hsize	F whd	
F leftskip	F width	
F lowerleft	Fx	
F lowerright	F xy	
F markregionbox	Fy	
Fn	prepare	function
F onsamepage	register	function
F overlapping	save	function
F p	structure	table
T page	D collected	
F paragraph	T components	
F parindent	T tobesaved	
F position	T branches	
Fr	S name	
F region	S type	
F registerhandlers	variables	table
F replace	D checksums	
F rightskip	D collected	
F set	F getchecksum	
F setall	F makechecksum	
F setregionbox	F restore	
F setspec	F save	
F settobesaved	F setchecksum	
D tobesaved	D tobesaved	

F upperleft

version

number

lang (basic tex)

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

languages (context)

	£ation		
associate	function	F registerpattern	
associated	data table	F setfeatures	£
association	function	installed	function
counters	data table	labels	table
current	function	F define	
data	data table	F split	£
decimals	data table	loadable	function
define	function	loadwords	function
explicithyphen	function	logger	table
flatten	function	F report	
frequencies	table	nofflattened	function
F averagecharwidth		numbers	data table
F getdata		postexhyphenchar	function
getdata	function	posthyphenchar 	function
getnumber	function	preexhyphenchar	function
hjcounts	table	prehyphenchar 	function
hyphenate	function	registered	data table
hyphenators	table	replacements	table
T dictionaries		F add	
D featuresets		F addlist	
F handler		F handler	
T methods		F set	
F expanded		serializediscretionary	function
B none		setexceptions	function
F original		setsynonym	function
F tex		showdiscretionaries	function
F traditional		unload	function
F popmethod		urls	table
F pushmethod		D characters	
F setmethod		N lefthyphenmin	
F setup		D mapping	
F showhyphenationtrace		B packslashes	
T traditional		N righthyphenmin	
F definefeatures		F setcharacters	
F gettrace		version	number
F hyphenate		visualizediscretionaries	function
F injecthyphens		words	table
F installmethod		F check	
F lasttrace		T data	
F loadpatterns		F disable	
F registerexception		F enable	

T enablers
B enables
F found

F load

T methods

N threshold

layouts (context)

status table
 F isleftpage

F leftorrightpageaction

lfs (extra lua)

lock dir

attributes overloaded function chdir overloaded function currentdir function dir overloaded function overloaded function isdir isfile overloaded function isfound function link overloaded function lock function

overloaded function

mkdir overloaded function mkdirs function readlink overloaded function rmdir overloaded function setmode overloaded function shortname overloaded function symlinkattributes overloaded function touch overloaded function unlock function

libraries (context)

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

extratex data table
functions data table
globals data table

lmx (context)

color	function
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
Fa	
F td	
F th	
include	function

- S color-background-four
 - S color-background-one

table

- S color-background-three
- S color-background-two
- S title

inherited

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

lpdf (context)

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

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

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

lpeg (basic lua)

В	function	firstofsplit	function
C	function	frontstripper	function
Carg	function	instringchecker	function
Cb	function	is_lpeg	function
Cc	function	keeper	function
Cf	function	locale	function
Cg	function	match	function
Cmt	function	oneof	function
Ср	function	patterns	data table
Cs	function	pcode	function
Ct	function	print	function
P	function	ptree	function
R	function	replacer	function
S	function	secondofsplit	function
UP	function	setmaxstack	function
UR	function	setutfcasers	function
US	function	split	function
V	function	splitat	function
afterprefix	function	splitter	function
anywhere	function	stripper	function
append	function	times	function
balancer	function	tsplitat	function
beforesuffix	function	tsplitter	function
checkedsplit	function	type	function
containsws	function	utfchartabletopattern	function
counter	function	utfreplacer	function
endstripper	function	version	function
finder	function		

ltn12 (extra lua)

BLOCKSIZE	number	F simplify
filter	table	F table
F chain		source table
F cycle		F cat
pump	table	F chain
F all		F empty
F step		F error
sink	table	F file
F chain		F rewind
F error		F simplify
F file		F string
F null		

lua (basic tex)

bytecode	table	F loaded
bytedata	data table	F required
bytedone	table	F reset
collectgarbage	function	F resolvestring
delay	function	F resolving
finalize	function	F showdefinitions
firstbytecode	number	mask
flush	function	messages
flushdelayed	function	name
<pre>get_functions_table</pre>	overloaded function	newtable
getbytecode	function	numbers
getcalllevel	function	registercode
getcodepage	function	registeredcodes
getfunctionstable	function	registerfinalizer
getluaname	function	registername
getstacktop	function	setbytecode
lastbytecode	number	setluaname
macros	table	startupfile
B enabled		version

string data table table function data table function function function function function function string

string

luatex (context)

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

function

F disable

F enable

lxml (context)

- 4.42 - 4	f	£1	£ ± ÷
addindex	function	flush	function
all	function	flushlinewise	function
applyfunction	function	flushsetups	function
applyselectors	function	flushspacewise	function
att	function	get_id	function
attribute	function	getid	function
badinclusions	function	getindex	function
chainattribute	function	id	function
checkindex	function	idsplitter	userdata
collected	function	include	function
command	function	inclusion	function
concat	function	inclusions	function
concatrange	function	index	function
content	function	inlineverbatim	function
context	function	installsetup	function
convert	function	last	function
count	function	lastatt	function
delete	function	lastmatch	function
direct	function	lastpar	function
directives	table	load	function
F after		loadbuffer	function
F before		loaddata	function
F handle		loaded	table
F load		main	function
F setup		match	function
displayverbatim	function	name	function
doif	function	namespace	function
doifelse	function	nonspace	function
doifelseempty	function	par	function
doifelsetext	function	param	function
doifempty	function	parameter	function
doifnot	function	path	function
doifnotempty	function	popmatch	function
doifnottext	function	pos	function
doiftext	function	position	function
element	function	pure	function
elements	function	pushmatch	function
entities	data table	raw	function
filter	function	rawroot	function
filterlist	function	rawtex	function
first	function	refatt	function

register	function
registerentity	function
removesetup	function
replace	function
resetcdata	function
resetsetups	function
resolvedentity	function
root	function
save	function
serialize	function
setaction	function
setatt	function
setattribute	function
setcdata	function
${\tt setcommandtonone}$	function
${\tt setcommandtotext}$	function
setpar	function
setparam	function
setparameter	function
setsetup	function
snippet	function
sorters	table

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

F compare F flush

math (basic lua)

abs	function	maxin
acos	function	min
asin	function	minin
atan	function	mod
atan2	function	modf
ceil	function	odd
ceiling	function	рi
cos	function	pow
cosd	function	rad
cosh	function	rando
deg	function	rando
div	function	round
even	function	setra
exp	function	sin
floor	function	sind
fmod	function	sinh
frexp	function	sqrt
huge	number	tan
initialseed	number	tand
ldexp	function	tanh
log	function	toint
log10	function	type
max	function	ult

maxinteger	number	
min	function	
mininteger	number	
mod	function	
modf	function	
odd	function	
pi	number	
pow	function	
rad	function	
random	overloaded	function
randomseed	function	
round	function	
setrandomseedi	function	
sin	function	
sind	function	
sinh	function	
sqrt	function	
tan	function	
tand	function	
tanh	function	
tointeger	function	
type	function	

function

mathematics (context)

addfallbacks	function	mapremap	data table
alphabets	data table	overloaddimensions	function
alternatives	data table	overloadparameters	function
big	function	privatebase	number
boldmap	data table	registerdomain	function
categories	table	registerfallbackid	function
D functions	cabec	remapalphabets	function
charactersets	data table	renderings	table
checkaccentbaseheight	function	D mappings	10010
checkprivateparameters	function	D numbers	
classes	data table	D sets	
codes	data table	renderset	function
define	function	resetattributes	function
dimensions	function	resetitalics	function
domains	table	resolvefallbacks	function
extensiblecode	function	scaleparameters	function
extensibles	data table	setdomain	function
extrabase	number	setitalics	function
extras	table	setridofprime	function
F add		sets	data table
F copy		styles	data table
fallbacks	table	syncboth	function
F apply		syncname	function
F install		syncstyle	function
fallbackstyleattr	function	toname	function
families	data table	tostyle	function
finishfallbacks	function	tweakaftercopyingfont	function
gaps	data table	tweakbeforecopyingfont	function
getboth	function	tweaks	table
getdomain	function	utfmathaccent	function
getitalics	function	utfmathclass	function
getridofprime	function	utfmathcommand	function
getstyle	function	utfmathfiller	function
horizontalcode	function	utfmathstretch	function
initializeparameters	function	virtualize	function
makefont	function	virtualized	data table

md5 (extra lua)

HEX	function
crypt	function
dec	function
decrypt	function
exor	function

hex function
sum function

sumHEXA overloaded function
sumhexa overloaded function

metapost (context)

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

reporterror	function	svgglyphtomp	function
reportsvgfonts	function	svgshapestomp	function
reset	function	svgshapestopdf	function
resetlastlog	function	svgtomp	function
resetplugins	function	svgtopdf	function
run	function	sxsy	function
runscript	function	tex	table
scripterror	function	F get	
scriptindex	function	F reset	
setextensions	function	F set	
setoutercolor	function	F setfrombuffer	
settext	function	texerrors	boolean
setvariable	function	texexp	function
showlog	boolean	theclippath	function
showsvgpage	function	tographic	function
simple	function	totable	function
splitprescript	function	typesvgpage	function
startgraphic	function	unload	function
stopgraphic	function	untagvariable	function
svformat	function	variables	table

mime (extra lua)

b64 function

F base64

F quoted-printable

dot function

encode overloaded function

encodet overloaded table

F base64

F quoted-printable

eol function

normalize overloaded function

qp function

qpwrp function
report function

stuff overloaded function

unb64 function
unqp function

wrap overloaded function

wrapt overloaded table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

D 16			
BackSpace	function	OuterMarginWidth	function
BaseLineSkip	function	OverlayDepth	function
BodyFontSize	function	OverlayHeight	function
BottomDistance	function	OverlayLineWidth	function
BottomHeight	function	OverlayOffset	function
BottomSpace	function	OverlayRegion	function
CurrentColumn	function	OverlayWidth	function
CurrentHeight	function	PageDepth .	function
CurrentWidth	function	PageFraction	function
CutSpace	function	PageNumber	function
EmWidth	function	PageOffset	function
ExHeight	function	PaperBleed	function
FooterDistance	function	PaperHeight	function
FooterHeight	function	PaperWidth	function
HSize	function	PrintPaperHeight	function
HeaderDistance	function	PrintPaperWidth	function
HeaderHeight	function	RealPageNumber	function
InPageBody	function	RightEdgeDistance	function
InnerEdgeDistance	function	RightEdgeWidth	function
InnerEdgeWidth	function	RightMarginDistance	function
InnerMarginDistance	function	RightMarginWidth	function
InnerMarginWidth	function	SpineWidth	function
LastPageNumber	function	StrutDepth	function
LayoutColumnDistance	function	StrutHeight	function
LayoutColumnWidth	function	SubPageNumber	function
LayoutColumns	function	TextHeight	function
LeftEdgeDistance	function	TextWidth	function
LeftEdgeWidth	function	TopDistance	function
LeftMarginDistance	function	TopHeight	function
LeftMarginWidth	function	TopSkip	function
LineHeight	function	TopSpace	function
MakeupHeight	function	VSize	function
MakeupWidth	function	_get_count_	function
NOfColumns	function	_get_dimen_	function
N0fPages	function	_get_macro_	function
N0fSubPages	function	_get_toks_	function
0n0ddPage	function	_set_count_	function
OnRightPage	function	_set_dimen_	function
OuterEdgeDistance	function	_set_macro_	function
OuterEdgeWidth	function	_set_toks_	function
OuterMarginDistance	function	aux	table

F boolean		fill	function
F color		flatten	function
F direct		flush	function
F direct1		format	function
F direct2		formatted	function
F direct3		fprint	function
F direct4		fromhash	function
F draw		get	table
F fill		F boolean	cabic
F flush		F integer	
F fprint		F number	
Finteger		F numeric	
F number		F path	
F numeric		F string	
F pair		getcount	function
F pairpoints		getdimen	function
F path		getmacro	function
F pathpoints		gettoks	function
F points		graphformat	function
F print		inhash	function
F quadruple		integer	function
F quadruplepoints		isarray	function
F quoted		isobject	function
F size		<pre>lmt_color_functions</pre>	table
F string		F shade	
F transform		F step	
F triplet		lmt_contours_bitmap_get	function
F tripletpoints		lmt_contours_bitmap_set	function
F vprint		lmt_contours_cleanup	function
boolean	function	lmt_contours_color	function
cleaned	function	lmt_contours_edge_get_band	function
color	function	<pre>lmt_contours_edge_get_cell</pre>	function
dataset	function	<pre>lmt_contours_edge_paths</pre>	function
datasets	function	lmt_contours_edge_set	function
F load		<pre>lmt_contours_edge_set_by_band</pre>	function
defaultcolormodel	function	<pre>lmt_contours_edge_set_by_cell</pre>	function
dimension	function	lmt_contours_format	function
direct	function	<pre>lmt_contours_function</pre>	function
direct1	function	lmt_contours_maxmean	function
direct2	function	lmt_contours_maxz	function
direct3	function	lmt_contours_minmean	function
direct4	function	lmt_contours_minz	function
disposehash	function	lmt_contours_nofvalues	function
draw	function	lmt_contours_nx	function

lmt_contours_ny	function	mf tt dimensions	function
	function	 mf tt initialize	function
lmt contours shade paths	function	mode	function
lmt_contours_shade_set	function	n	function
lmt_contours_shape_paths	function	newhash	function
lmt_contours_start	function	number	function
lmt_contours_stop	function	numeric	function
lmt_contours_value	function	pair	function
lmt_contours_xrange	function	pairpoints	function
lmt_contours_yrange	function	path	function
lmt_surface_do	function	pathleft	function
mf_blob_add	function	pathlength	function
mf_blob_dimensions	function	pathpoint	function
mf_blob_index	function	pathpoints	function
mf_blob_new	function	pathreset	function
mf_blob_raw_content	function	pathright	function
mf_blob_raw_dimensions	function	points	function
mf_blob_raw_reset	function	positionanchor	function
mf_blob_raw_toutf	function	positionbox	function
mf_blob_raw_wipe	function	positioncurve	function
mf_blob_size	function	positionpage	function
mf_blob_width	function	positionpath	function
mf_external_figure	function	positionpxy	function
mf_finish_saving_data	function	positionregion	function
mf_formatted_text	function	positionwhd	function
mf_get_outline_text	function	positionxy	function
mf_graphic_text	function	prefix	function
mf_inject_blob	function	print	function
mf_made_text	function	processingmode	function
mf_map_move	function	quadruple	function
mf_map_text	function	quadruplepoints	function
mf_named_color	function	quoted	function
mf_outline_text	function	report	function
mf_path_left	function	scan	table
mf_path_length	function	set	table
mf_path_point	function	F path	
mf_path_reset	function	setcount	function
mf_path_right	function	setdimen	function
mf_save_data	function	setmacro	function
mf_script_index	function	settoks	function
mf_some_text	function	size	function
mf_start_saving_data	function	string	function
mf_stop_saving_data	function	systemmode	function
mf_tb_dimensions	function	texstr	function

textextanchor	function	tripletpoints	function
texvar	function	utflen	function
tohash	function	utfsub	function
transform	function	vprint	function
triplet	function		

mplib (extra tex)

char_depth
char_height
char_width
execute
fields
finder
finders

F file
function
function
function
function
function
fable

F mpstemplate

finish function

get_boolean function
get_number function
get_path function
get_string function

new overloaded function

pen_info function
solve_path function
statistics function
version function

noads (context)

F render

ha	andlers	table	F	resize	
	F align		F	showtree	
	F alternates		F	tags	
	F autofences		F	unscript	
	F classes		F	unstack	
	F collapse		F	variants	
	F domains		proc	ess	function
	F families		proc	essnested	function
	F fixscripts		proc	essors	table
	F italics		F	mlist_to_hlis	t
	F kernpairs		Т	unscript	
	F makeup		Т	unstack	
	F relocate		proc	essouter	function

node (basic tex)

F getfont

check discretionaries function F aetalue check discretionary function F getheight copy function F getid copy list function F aetkern function count F getlang function current attr F getleader dimensions function F getlist direct table F getnext F check discretionaries F getnucleus F check discretionary F getoffsets F copy F getpenalty F copy list F getprev F getproperty F count F current attr F getshift F dimensions F aetsub F effective glue F getsubtype F end_of_math F getsup F find attribute F getwhd F getwidth F first glyph F flatten discretionaries F has attribute F flush list F has_field F flush node F has glyph F flush properties table F hpack F hyphenating F free F get attribute F insert after F get_properties_table F insert before F get_synctex_fields F is_char F is_direct F getattributelist F aetboth F is glyph F getbox F is node F getchar F is_zero_glue F getcomponents F kerning F getdata F last node F getdepth F length F getdir F ligaturing F getdirection F getdisc F prepend prevdepth F getexpansion F protect_glyph F getfam F protect_glyphs F getfield F protrusion skippable

F rangedimensions

F remove	F traverse_char	
F set_attribute	F traverse_glyph	
F set_properties_mode	F traverse_id	
F set_synctex_fields	F traverse_list	
F setattributelist	F unprotect_glyph	
F setboth	F unprotect_glyphs	
F setbox	F unset_attribute	
F setchar	F usedlist	
F setcomponents	F uses_font	
F setdata	F vpack	
F setdepth	F write	
F setdir	effective_glue	function
F setdirection	end_of_math	function
F setdisc	family_font	function
F setexpansion	fields	function
F setfam	find_attribute	function
F setfield	first_glyph	function
F setfont	fix_node_lists	function
F setglue	flatten_discretionaries	function
F setheight	flush_list	function
F setkern	flush_node	function
F setlang	flush_properties_table	function
F setleader	free	function
F setlink	get_attribute	function
F setlist	get_properties_table	function
F setnext	getboth	function
F setnucleus	getchar	function
F setoffsets	getdisc	function
F setpenalty	getfield	function
F setprev	getfont	function
F setproperty	getglue	function
F setshift	getid	function
F setsplit	getleader	function
F setsub	getlist	function
F setsubtype	getnext	function
F setsup	getprev	function
F setwhd	getproperty	function
F setwidth	getsubtype	function
F slide	getwhd	function
F tail	has_attribute	function
F todirect	has_field	function
F tonode	has_glyph	function
F tostring	hpack	function
F traverse	hyphenating	function

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

nodes (context)

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

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

maxboxwidth function F flush list mlist to hlist function F flush node function new F free noadcodes data table F fullhpack noadoptions table F get_synctex_fields N axis F getattr N exact F getattribute N left F getattributelist N middle F getattrlist N no axis F getboth N right F aetbox N set F getboxglue N unused 1 F getchar N unused 2 F getcomponents data table nodecodes F getdata function nopts F getdepth table nuts F getdir F getdirection F append F getdisc F apply F applyvisuals F getdiscretionary F check discretionaries F getexpansion F concat F getfam F copy F getfield F getfont F copy_list F copy_no_components F getglue F copy_node F getglyphdata F copy_only F getheight F copy only glyphs F getid F copy properties F getkern F copyvisual F getlang F count F getlanguage F countall F getleader F current attr F getlist F delete F getnext F dimensions F getnucleus F effective glue F getoffsets F end_of_math F getorientation F find_attribute F getpenalty F first glyph F getpost F firstcharacter F getpre F firstcharinbox F getprev F firstglyph F getprop F flatten discretionaries F getreplace F flush F getruledata

F direction F aetshift F getsub F directliteral F getsubtype F disc F emptyrule F getsup F getsurround F fence F fontkern F getvalue F aetwhd F fraction F aetwidth F alue F has attribute F glyph F has dimensions F hlist F italickern F has field F kern F has glyph F hpack F latelua F hyphenating F leader F insert_after F leftmarginkern F insert_before F leftskip F insert_list_after F lineskip F is direct F literal F is display math F mathchar F mathtextchar F is node F is nut F negatedglue F is_zero_glue F noad F ischar F originliteral F isdone F outlinerule F isglyph F pageliteral F kerning F penalty F last_node F radical F rawliteral F leftmarginwidth F length F register F ligaturing F restore F rightmarginkern F link F linked F rightskip F locate F rule F mlist_to_hlist F save F nestedtracedslide F savepos F new F setmatrix F shrink T pool F stretch F accent F baselineskip F subbox F boundary F submlist F choice F temp F cleanup F textdir F delim F usage

T userids

F delimiter

N margins.inline F setdirection N splitters.one F setdisc N splitters.two F setdiscretionary F usernode F setexpansion F userrule F setfam F vlist F setfield F wordboundary F setfont F prepend F setalue F processranges F setqlyphdata F processwords F setheight F protect glyph F setkern F protect glyphs F setland F protrusion_skippable F setlanguage F rangedimensions F setleader F rawprop F setlink F reference F setlist F rehpack F setnext F setnucleus F remove F repackhlist F setoffsets F replace F setorientation F rightmarginwidth F setparproperty T rules F setpenalty T ruleactions F setpost F box F setpre F draw F setprev F fill F setprop F mp F setreplace F stroke F setruledata F userrule F setshift F set attribute F setsplit F set_synctex_fields F setsub F setsubtype F setattr E setattribute F setsup F setattributelist F setsurround F setunsetattributes F setattributes F setattrlist F setvalue F setvisual F setboth F setvisuals F setbox F setboxglue F setwhd F setchar F setwidth F setcomponents F slide F setdata F somepenalty F setdepth F somespace F setdir F splitbox

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

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

F freezegroup		T nodes		
F new	F rule			
F prependaction		T nuts		
F removeaction		F rule		
F replaceaction		F resetproperties		
F restart		F rule		
F setaction		F setlist		
F showactions		F setproperties		
F table		F start		
tobasepoints	function	T steppers		
tocentimeters	function	F check		
tociceros	function	F codes		
todidots	function	F features		
todimen	function	F font		
toinches	function	F glyphs		
tomillimeters	function	F message		
tonewciceros	function	F messages		
tonewdidots	function	F nofsteps		
tonode	function	F register		
tonodes	function	F reset		
tonut	function	F start		
topicas	function	function F stop		
topoints	function	F stop		
toscaledpoints	function T transparencies			
tosequence	function	F reset		
tostring	function	F set		
totable	function	F setlist		
totree	function	traverse	function	
toutf	function	traverse_char	function	
tracers	table	traverse_glyph	function	
T characters		traverse_id	function	
F collect		traverse_list	function	
F equal		traversers	table	
F start		F char		
F string		F glyph		
F unicodes		F list		
T colors		F node		
F reset		typesetters	table	
F set		F hbox		
F setlist		F hpack		
F fontchar		F tohbox		
T frequencies		F tohpack		
F register		F tonodes		
T pool		F tovbox		

	F attribute
	T attributes
function	F box
	function

unprotect_glypn	Tunction	F box
unprotect_glyphs	function	F handler
unset_attribute	function	F markfonts
unsetattribute	function	F register
unsetattributes	function	F setfont
usedlist	function	F setlayer
usercodes	data table	F setruledglyph
uses_font	function	F setvisual

uses_ront	Tunction	r Selvisual	
vianodes	function	vpack	function
vianuts	function	whatcodes	data table
visualizebox	function	whatsitcodes	data table
visualizers	table	write	function

number (context)

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

objects (context)

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

os (basic lua)

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

package (basic lua)

config	string
cpath	string
extralibpath	$ \hbox{function} $
extralibpaths	function
extraluapath	$ \hbox{function} $
extraluapaths	function
helpers	table
libpaths	$ \hbox{function} $
loaded	table
loaders	table
loadlib	function

luapaths	function
path	string
poplibpath	function
popluapath	function
preload	table
pushlibpath	function
pushluapath	function
searchers	table
searchpath	function
seeall	function

pagebuilders (context)

columnsets table	F sethsize
F add	F sethspan
F block	F setlines
F check	F setproperties
F currentcolumn	F setstart
F define	F setvsize
F finishflush	injections table
F flushareas	F flushafter
F flushcolumn	F flushbefore
F flushrest	F save
F goto	mixedcolumns table
F noto	F cleanup
F prepareflush	F finalize
F put	F getlist
F registerarea	F getrest
F reset	F getsplit
F setarea	F setsplit

pdf (basic tex)

immediateobj function

pdfe (extra tex)

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

pdfscanner (context)

scan function

physics (context)

units table

F registerunit

D tables

publications (context)

addtexentry	function	converttoxml	function
analyze	function	currentspecification	table
anywhere	function	S author	
authorcache	data table	T categories	
authorcollapsers	data table	T article	
authorhashers	table	S category	
F invertedshort		T extra	
F normal		T fields	
F normalinverted		S author	
F normalshort		S editor	
F sequential		S journal	
F sequentialshort		S keywords	
F short		S note	
authormap	data table	S number	
authortoregister	function	S pages	
casters	table	S title	
F author		S volume	
F keyword		S year	
F pagenumber		T optional	
F range		T required	
checkeddataset	function	T sets	
citevariants	table	T author	
F author		T virtual	
F authornum		T book	
F authoryear		S category	
F authoryears		T extra	
F category		T fields	
F default		S address	
F entry		S author	
F index		S edition	
F keywords		S editor	
F num		S keywords	
F page		S note	
F short		S number	
F tag		S publisher	
F textnum		S subtitle	
F year	d-4- 4-61-	S title	
collected	data table	S volume	
components	table	S year	
Fauthor	fatian	T optional	
concatstate	function	T required	

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

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

D privates F showtables D sets F showvariants typesetters table D specials F author D types F string D virtuals function function tags usedataset table usedentries function tracers

F showdatasetauthors
F showdatasetcompleteness
F showdatasetfields
F showentry
F showfields

F showhashedauthors

F author
F keyword
F pagenumber
F range

table

writers

regimes (context)

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

resolvers (context)

-11	f	£indon+h	£
allprefixes	function	findpath	function
appendhash	function	findpk findtexfile	function
automount	function		function
automounted	table	findwildcardfile	function
booleanvariable	function 	findwildcardfiles	function
cacheversion	string	formatofsuffix	function
checkedvariable	function	formatofvariable	function
cleanedpathlist	function	formats	data table
cleanpath	function	foundintree	function
cleanpathlist	function	foundintrees	function
concatinators	data table	generators	data table
configbanner	string	get_from_content	function
configurationfiles	function	getenv	function
criticalvars	data table	getextrapaths	function
dangerous	data table	getfilehashes	function
datastate	function	gethashes	function
defaultsuffixes	table	getownpath	function
dowithfilesandreport	function	getreadfilename	function
dowithfilesintree	function	hashers	data table
dowithpath	function	homedir	string
dowithvariable	function	initialized	function
env	function	inputstack	table
executers	table	installinputfilehandler	function
expandbraces	function	installinputlinehandler	function
expandedpathfromlist	function	jobpath	function
expandedpathlist	function	jobs	table
expandedpathlistfromvariable	function	F currentcomponent	
expandpath	function	F currentenvironment	
expandpathfromvariable	function	F currentproduct	
expansion	function	F currentproject	
extendtexmfvariable	function	F justacomponent	
filtered_from_content	function	D processors	
find_file	function	F productcomponent	
find_files	function	F usefile	
findbinfile	function	joinpath	function
findctxfile	function	knownvariables	function
finders	data table	load	function
findfile	function	loadbinfile	function
findfiles	function	loaders	data table
findgivenfile	function	loadlualib	function
findgivenfiles	function	loadtexfile	function

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

wildcardpattern

function

function

function

resetmemstream

resetresolve

sandbox (context)

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

scripts (context)

autofontfeature	table	hash	table
F disable		injectors	data table
F enable		inserters	table
F handler		F nobreakspace_afte	er
${\it categorytonumber}$	data table	F nobreakspace_befo	ore
colors	data table	F space_after	
decomposehangul	function	F space_before	
defaults	table	F zerowidthspace_a	fter
N inter_char_half_s	shrink_factor	F zerowidthspace_before	
N inter_char_half_s	N inter_char_half_stretch_factor installdataset functio		function
N inter_char_hangul_penalty installmethod funct		function	
N inter_char_quarte	er_shrink_factor	numbertocategory	data table
N inter_char_quarte	er_stretch_factor	numbertodataset	data table
N inter_char_shrin	<_factor	numbertohandler	data table
N inter_char_stretch_factor		reset	function
N inter_word_stret	ch_factor	set	function
handlers	data table	splitters	data table

set (context)

contains function
create function
tolist function

tonumber function
totable function

sha2 (context)

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

sio (context)

read2dot14	function	readfixed2	function
readbytes	function	readfixed4	function
readbytetable	function	readinteger1	function
readcardinal1	function	readinteger2	function
readcardinal2	function	readinteger3	function
readcardinal3	function	readinteger4	function
readcardinal4	function	readintegertable	function
readcardinal table	function		

socket (extra lua)

BLOCKSIZE	number		S cc
DATAGRAMSIZE	number		
_DATAGRAMS12E DEBUG	boolean		S comments
	number		S connection
_SETSIZE SOCKETINVALID	number		S content-description
		function	S content-disposition
bind	overloaded overloaded		S content-encoding
choose		Tunction	S content-id
connect	function	£	S content-language
connect4	overloaded		S content-length
connect6	overloaded	TUNCTION	S content-location
dns	table		S content-md5
F getaddrinfo			S content-range
F gethostname			S content-transfer-encoding
F getnameinfo			S content-type
F tohostname			S cookie
F toip			S date
ftp	table		S diagnostic-code
S PASSWORD			S dsn-gateway
N TIMEOUT			S etag
S USER			S expect
F command			S expires
F genericform			S final-log-id
F get			S final-recipient
F open			S from
F put			S host
gettime	function		S if-match
headers	overloaded	table	S if-modified-since
T canonic			S if-none-match
S accept			S if-range
S accept-chars	et		S if-unmodified-since
S accept-encod	ing		S in-reply-to
S accept-langua	age		S keywords
S accept-range	S		S last-attempt-date
S action			S last-modified
S age			S location
S allow			S max-forwards
S alternate-re	cipient		S message-id
S arrival-date			S mime-version
S authorization	n		S original-envelope-id
S bcc			S original-recipient
S cache-contro	l		S pragma

S	proxy-authenticate	F request		
S	proxy-authorization	newtry	function	
S	range	protect	function	
S	received	report	function	
S	received-from-mta	select	function	
S	references	sink	overloaded fo	unction
S	referer	sinkt	overloaded ta	able
S	remote-mta	F close-when-don	e	
S	reply-to	F default		
S	reporting-mta	F http-chunked		
S	resent-bcc	F keep-open		
S	resent-cc	skip	function	
S	resent-date	sleep	function	
S	resent-from	smtp	table	
S	resent-message-id	S DOMAIN		
S	resent-reply-to	N PORT		
S	resent-sender	S SERVER		
S	resent-to	N TIMEOUT		
S	retry-after	S ZONE		
S	return-path	F message		
S	sender	F open		
S	server	F send		
S	smtp-remote-recipient	source	overloaded fo	
S	status	sourcet	overloaded ta	able
S	subject	F by-length		
S	te	F default		
S	to	F http-chunked		
S	trailer	F until-closed		
S	transfer-encoding	tcp	function	
	upgrade	tcp4	function	
	user-agent	tcp6	function	
	vary	tp	overloaded ta	able
	via	N TIMEOUT		
	warning	F connect	1 1 6	
	will-retry-until	try	overloaded fu	unction
	www-authenticate	udp	function	
	x-mailer	udp4	function	
	ower	udp6	function	
	ormalize	url	overloaded ta	able
http	overloaded table	F absolute		
NI T	IMEOUT	F build		
S U	SERAGENT	F build_path		
S U F g				

 ${\tt F} \ {\tt parse_path}$

F unescape

sorters (context)

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

statistics (context)

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

status (basic tex)

list function setexitcode function

resetmessages function

storage (context)

allocate	function
data	table
mark	function
marked	function
max	number
min	number
nofmodules	number

noftables	number	
register	function	
shared	data table	
storedfunctions	data table	
strip	boolean	
tofmodules	number	
toftables	number	

streams (context)

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

string (basic lua)

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

structures (context)

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

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

F listindex		T files
T numbers		T data
F ordered		F define
F postpone		F found
F resetpostponed		F get
F restore		F filter
F save		F filterdefault
F setstate		D filters
D states		D flaginternals
F store		F from
pages	table	D functions
F allmarked		F get
F analyze		F getcurrentmetadata
D collected		F getcurrentprefixspec
F fraction		F getinnermethod
F in_body		F getinternalcachedlistreference
F is_odd		F getinternallistreference
F mark		F getinternalreference
F marked		F getoutermethod
N nofpages		D handlers
F number		F identify
F on_right		F import
F save		F inject
D tobesaved		F injectcurrentset
F toranges		S innermethod
references	table	D internals
F analyze		F load
F checkedfile		F loadpresets
F checkedfileorurl		F mark
F checkedprogram		S outermethod
F checkedrealpage		D pages
F checkedurl		U prefixsplitter
D collected		D productdata
U componentsplitter		T programs
F currentmetadata		T data
F currentorder		F define
D currentset		F get
F define		F realpageofpage
D defined		U referencesplitter
D derived		D referred
F enhance		F referredpage
D executers		F registerfinalizer
F expandcurrent		F registerinitializer
F export		F registerpage

F reset		F	define	
D runners		F	enhance	
F set		F	extend	
F setandgetattribute		F	F filter	
F setcomponent		F	filtercollected	
F setinternalreference		F	finalize	
F setlinkmethod		F	findinternal	
F setnextinternal		F	flush	
F setnextorder		F	get	
F setreferencerealpage		F	prepare	
D specials		F	process	
F splitcomponent		F	setmethod	
F splitprefix		F	sort	
F splitreference		F	store	
F synchronizepage		D	tobesaved	
T testrunners		F	unique	
Finner		F	userdata	
F special		sect	ions	table
F special operation		F	autodepth	
F special operation w	rith arguments	F	cct	
T testspecials		D	collected	
F deltapage		_		
r dettapage		F	current	
F i			current	
		F		
Fi		F F	currentblock	
F i F internal		F F	currentblock currentid	
F i F internal F page		F F F	currentblock currentid currentlevel	
F i F internal F page F realpage		F F F F	currentblock currentid currentlevel currentsectionindex	
F i F internal F page F realpage F section		F F F F	currentblock currentid currentlevel currentsectionindex depthnumber	
F i F internal F page F realpage F section F userpage		F F F F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata	
F i F internal F page F realpage F section F userpage D tobereferred		F F F F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved		F F F F F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved D tracedpages		F F F F F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved D tracedpages T urls		F F F F F F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved D tracedpages T urls T data		F F F F F F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber	
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 F F F F F F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber internalreference	
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 F F F F F D D	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber internalreference levelmap levels matchingtilldepth	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved D tracedpages T urls T data F define F found F get		F F F F F F D D	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber internalreference levelmap	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved D tracedpages T urls T data F define F found F get F untex D usedinternals D usedviews		F F F F F F D D F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber internalreference levelmap levels matchingtilldepth numbers	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved D tracedpages T urls T data F define F found F get F untex D usedinternals D usedviews F valid		F F F F F D D F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber internalreference levelmap levels matchingtilldepth numbers popblock	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved D tracedpages T urls T data F define F found F get F untex D usedinternals D usedviews F valid registers	table	F F F F F F D D F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber internalreference levelmap levels matchingtilldepth numbers popblock prefixedconverted	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved D tracedpages T urls T data F define F found F get F untex D usedinternals D usedviews F valid registers F analyze	table	F F F F F D D F F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber internalreference levelmap levels matchingtilldepth numbers popblock prefixedconverted pushblock	
F i F internal F page F realpage F section F userpage D tobereferred D tobesaved D tracedpages T urls T data F define F found F get F untex D usedinternals D usedviews F valid registers	table	F F F F F D D F F F F	currentblock currentid currentlevel currentsectionindex depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber internalreference levelmap levels matchingtilldepth numbers popblock prefixedconverted	

F reportstructure		F	registerused	
F save			resetshown	
T sectionblockdata			resetused	
T bodypart			sort	
S bookmark			synonym	
F set			tobesaved	
F setblock		tags	1000004104	table
F setchecker		-	current	
F setentry			elementtag	
F setinitialblock			finishexport	
F setlevel			getextradata	
F setnumber			getid	
F showstructure			getmetadata	
F structuredata		F	gettablecell	
F title		F	gettabulatecell	
D tobesaved		F	handler	
F typesetnumber		F	initializeexport	
F userdata		D	labels	
B verbose		F	last	
sets	table	F	lastinchain	
F define		F	locatedtag	
F get		Т	patterns	
F getall			U splitter	
D setlist		D	properties	
specials	table	F	registerextradata	
D collected		F	registermetadata	
F retrieve		F	restart	
F store		F	setaspect	
D tobesaved		F	setattributehash	
synonyms	table	F	setcombination	
F analyzed		F	setconstruct	
D collected		F	setfigure	
F compare		F	setfloat	
F define		F	setformulacontent	
F filter		F	sethighlight	
F finalize		F	setitem	
F flush			setitemgroup	
F isshown			setlist	
F isused			setnotation	
F meaning			setnotationsymbol	
F prepare			setparagraph	
F process			setproperty	
F register			setpublication	
F registershown		F	setregister	

F setsorting
F setsynonym
F settablecell
F settabulatecell
F settagdelimitedsymbol
F settagsubsentencesymbol
F setupexport

F setuserproperties

D specifications
F start
F stop
F strip
D taglist
T usewithcare
T images

table (basic lua)

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

tex (basic tex)

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

setlccode function N maxdimen setlist function N runnina setmath function N trueinch mathcode table setmathcode function modes data table setmuqlue function muglue table setmuskip function table function muskip setnest table setsfcode function nest nilcatcodes number setskip function normal rand function settoks function notcatcodes number setuccode function number function sfcode table primitives function shipout function print function show context function prtcatcodes number skip table auittoks function function sp function splitbox function resetparagraph romannumeral function sprint function round function systemmodes data table takebox function function run function texcatcodes number runtoks saveboxresource function toks table function number scale tpacatcodes function number scantoks tpbcatcodes function function set tprint set synctex line function trackers data table function triggerbuildpage function set synctex mode set synctex no files function txtcatcodes number set synctex tag function tvpe function setattribute function table uccode setbox function uniform rand function uniformdeviate function setcatcode function uprint function setcount function setdel code function useboxresource function setdimen function vrbcatcodes number setglue function write function

function

setglyphdata

texconfig (basic tex)

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

texio (basic tex)

closeinputfunctionwritefunctionsetescapefunctionwrite_nlfunction

token (basic tex)

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

tokens (context)

astable function U loadfoundtypescriptfile userdata bgroup U resetctxscanner bits table U rlap N active U scratchcounter N alignment U scratchdimen N begingroup U scratchmuskip N character U scratchskip U scratchtoken N close N comment U secondoftwoarguments N endgroup U setfalsevalue N endofline U setsectionblock N escape U setupsystem N ignore U startcolumns N invalid U starttabulate N letter U starttitle N mathshift U startxtitle N open U stopcolumns N other U stoptabulate U stoptitle N parameter N space U stopxtitle N subscript U texsetup N superscript II xmlw collectors table N whitespace cache table T data U NC F defaultwords U NR F dowithwords F flush U bf F install U color U colordefalc F register U colordefflc T registered U colordefflt F show U colordefrlt F test commands data table U dofinishreference compile function U dostarttext function constant U finishjob table U firstofoneargument converters U firstoftwoarguments S toboolean U gobbleoneargument S todimen U goto S toglue U iftrue S tonumber U input S tostring

arasta	function		5.1			
create	function		F keyword			
defined	function		-	F keywordcs		
egroup	userdata		F list			
getters	table		F lxmlid			
F box			F number			
F count			F real			
F dimen			F scanclos	е		
F glue			F scanopen			
F macro			F string			
F meaning			F table			
F skip			F token			
F token			F tokens			
hbox	userdata		F toks			
isdefined	function		F vbox			
istoken	function		F verbatim	ı		
letter	function		F vtop			
letters	function		F whd			
new	function		F word			
other	function		setters	table		
pickup	function		F box			
presets	table		F char			
T 1 string			F count			
T 2 strings			F dimen			
T 3 strings			F glue			
T 4 strings			F lua			
T 5 strings			F macro			
T 6 strings			F skip			
T 7 strings			shortcuts	table		
T 8 strings			T bits			
printlist	function		N active			
scanners	table		N alignm	ent		
F argument			N beging	roup		
F boolean			N charac	N character		
F box			N close			
F code	F code N comment		t			
F conditional			N endgroup			
F count	F count N endofline		ine			
F csname			N escape			
F dimen			N ignore			
F dimension	N invalid					
F float			N letter			
F glue			N mathshift			
F hbox			N open			
F integer			N other			
_						

N parameter	F scanopen
N space	F string
N subscript	F table
N superscript	F token
N whitespace	F tokens
N close	F toks
F inspect	F vbox
N open	F verbatim
F report	F vtop
F scanargument	F whd
F scanboolean	F word
F scanbox	F scannumber
F scanclose	F scanopen
F scancode	F scanstring
F scanconditional	F scantable
F scancsname	F scanvbox
F scandimen	F scanverbatim
F scandimension	F scanvtop
F scanhbox	F scanword
F scaninteger	F toboolean
F scankeyword	F todimen
F scankeywordcs	T tokens
F scanlist	F astable
T scanners	U bgroup
F argument	T cache
F boolean	U NC
F box	U NR
F code	U bf
F conditional	U color
F count	U colordefalc
F csname	U colordefflc
F dimen	U colordefflt
F dimension	U colordefrlt
F float	U dofinishreference
F glue	U dostarttext
F hbox	U finishjob
F integer	U firstofoneargument
F keyword	U firstoftwoarguments
F keywordcs	U gobbleoneargument
F list	U goto
F lxmlid	U iftrue
F number	U input
F real	U loadfoundtypescriptfile
F scanclose	U resetctxscanner

U rlap F glue U scratchcounter F macro U scratchdimen F meaning U scratchmuskip F skip U scratchskip F token U scratchtoken U hbox U secondoftwoarguments F isdefined U setfalsevalue F istoken U setsectionblock F letter U setupsystem F letters F new U startcolumns U starttabulate F other U starttitle F pickup U startxtitle T presets U stopcolumns F printlist U stoptabulate T setters U stoptitle F box F char U stopxtitle F count U texsetup F dimen U xmlw T collectors F alue F defaultwords F lua F dowithwords F macro F flush F skip F install T shortcuts F register N close F show F inspect F test N open D commands F report F compile F scanargument F constant F scanboolean T converters F scanbox S toboolean F scanclose S todimen F scancode F scanconditional S toglue S tonumber F scancsname S tostring F scandimen F create F scandimension F defined F scanhbox U egroup F scaninteger T getters F scankeyword F box F scankeywordcs F scanlist F count F dimen F scannumber

F scanopen F tonumber
F scanstring F tostring
F scantable U vbox
F scanvbox U vtop
F scanverbatim F tonumber
F scanvtop F tostring

F scanword vbox userdata F toboolean vtop userdata

F todimen

tracers (context)

count function
cs function
dimen function
knownlist function
lists table

T context

T internals
T scratch

name function

primitive function
printerror function
printwarning function
showlines function
strings table

S undefined

toks function
type function

trackers (context)

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

typesetters (context)

alignments	table	T handlers	
F handler		F installhandler	
F set		F processmath	
breakpoints	table	F set	
F define		F setcolor	
F handler		F setmath	
D mapping		F tomode	
T methods		firstlines	table
T numbers		T actions	
F set		F default	
F setreplacement		F line	
cases	table	F word	
T actions		F handler	
F handler		F set	
F register		fontkerns	table
F set		F handler	
characteralign	table	initials	table
F handler		T actions	
F resetcharacter	align	F default	
F setcharacteral	ign	F addanchortolin	е
characters	table	F addtoline	
F handler		F calculatedelta	
T methods		F checkline	
F replacenbsp		F handler	
F replacenbspace	s	F moveinline	
checkers	table	F normalize	
F handler		F set	
F reset		injectors	table
F set		F check	
cleaners	table	T list	
F handler		F mark	
F set		F reset	
digits	table	F set	
T actions		F show	
F handler		italics	table
F set		F enablemath	
directions	table	F enabletext	
F getfences		F forcevariant	
F getglobal		F handler	
F getmethod		F reset	
F handler		F set	

kerns	table	F apply	
D factors	cubic	F register	
F handler		F reset	
F keepligature		F split	
, -		F startapply	
D mapping F set		F startappty F stopapply	
manipulators	table	F stripped	
•	table	F tostring	
F apply	****	rubies	table
F applyspecifica T methods	111011	F attach	table
F Word		F attach	
			function
F Words		showsuspects	table
F abbreviatedj		spacings	table
F expandedjour	nal	F define	
F lowercase		F handler	
F stripperiod		D mapping	
F uppercase		T numbers	
T patterns		T frenchpunct	
U list		T characters	5
U pair		S name	
F splitspecifica		N number	
margins	table	F reset	
F finalhandler		F set	
F globalhandler		F setup	
F localhandler		wrappers	table
F save		F handler	
marksuspects	function	xtables	table
paragraphs	table	F cleanup	
F addanchortolin	ne	F construct	
F addtoline		F create	
F calculatedelta		F finish_row	
F checkline		F flush	
F handler		F initialize_co	
F moveinline		F initialize_re	
F normalize		F initialize_re	eflow_width
F set		F next_row	
periodkerns	table	F reflow_height	
D factors		F reflow_width	
F handler		F set_construct	
D mapping		F set_reflow_he	eight
F set		F set_reflow_wi	.dth
processors	table		

updaters (context)

apply function
register function

url (context)

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

utf8 (context)

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

utilities (context)

debugger	table	F	size	
F disable		F	skip	
F enable		F	skiplong	
F savestats		F	skipposition	
F showstats		F	skipshort	
F showtraceback		F	writebyte	
files	table	F	writecardinal2	
F close		F	writecardinal2le	
F getposition		F	writecardinal4	
F getsize		F	writecardinal4le	
F look		F	writestring	
F open		form	natters	table
F read2dot14		F	formatcolumns	
F readbyte		F	list	
F readbytes		F	stripzeros	
F readbytetable		garb	agecollector	table
F readcardinal		F	check	
F readcardinal1		N	criterium	
F readcardinal2		В	enabled	
F readcardinal2le		lua		table
F readcardinal3		В	alwaysstripcode	
F readcardinal3le		F	checkmemory	
F readcardinal4		F	compile	
F readcardinal4le		F	loadedluacode	
F readcardinaltable	2	F	loadstring	
F readchar		F	loadstripped	
F readfixed2		N	nofstrippedbytes	
F readfixed4		N	nofstrippedchunks	
F readinteger			registerfinalizer	
F readinteger1			stripcode	
F readinteger2			strippedchunks	
F readinteger2le		F	strippedloadstrin	g
F readinteger3		F	strippedloadstrin suffixes	g
F readinteger3 F readinteger3le		F	strippedloadstrin suffixes S lua	9
F readinteger3 F readinteger3le F readinteger4		F	strippedloadstrin suffixes S lua S luc	g
F readinteger3 F readinteger3le F readinteger4 F readinteger4le		F	strippedloadstrin suffixes S lua S luc S lui	g
F readinteger3 F readinteger3le F readinteger4 F readinteger4le F readintegertable		F	strippedloadstrin suffixes S lua S luc S lui S luj	9
F readinteger3 F readinteger4 F readinteger4le F readintegertable F readsignedbyte		F	strippedloadstrin suffixes S lua S luc S lui S luj S luj	g
F readinteger3 F readinteger4 F readinteger4le F readintegertable F readsignedbyte F readstring		F	strippedloadstrin suffixes S lua S luc S lui S luj S luy S tma	g
F readinteger3 F readinteger4 F readinteger4le F readintegertable F readsignedbyte		F	strippedloadstrin suffixes S lua S luc S lui S luj S luj	g

S t	ис	B latin-modern-condensed-designsize
packers	. <u></u>	B latin-modern-light-condensed
F has	-	B modern-condensed
F new		B modern-light-condensed
F pac		T modern-light,latin-modern-light-designsize,latin-mo
	nplehashed	B latin-modern-light
Fstr		B latin-modern-light-designsize
F unp		B modern-light
N ver		T modern-mono, modern-base-mono
parsers	s table	B modern-base-mono
F add	I_settings_to_array	B modern-mono
	guments_to_table	T modern-variable, latin-modern-variable-designsize, la
	ray_to_string	B latin-modern-variable
	vsplitter	B latin-modern-variable-designsize
F get	parameters	B modern-variable
F gro	pupedsplitat	T modernvariable, modern-variable
	sh_to_string	B modern-variable
T has	shes	B modernvariable
T s	ettings_to_set	T modernvariablelight,modern-variable-light
Т	min,max,fit,broad,auto	B modern-variable-light
	B auto	B modernvariablelight
	B broad	T serif,sans,mono
	B fit	B mono
	B max	B sans
	B min	B serif
Т	modern,latin-modern	T text,hidden,paper,page,leftpage,rightpage
	B latin-modern	B hidden
	B modern	B leftpage
Т	modern, latin-modern, modern-variable, latin-moder	n-variable,modelepangecondensed,latin-modern-condensed
	B latin-modern	B paper
	B latin-modern-condensed	B rightpage
	B latin-modern-variable	B text
	B modern	F iterator
	B modern-condensed	F keq_to_hash
	B modern-variable	F listitem
Т	modern,latin-modern-designsize,latin-modern	F make_settings_to_hash_pattern
	B latin-modern	F mergehashes
	B latin-modern-designsize	F options_to_array
	B modern	F options_to_hash
T	modern, modern-base	T patterns
	B modern	U settings_to_array
	B modern-base	U settings_to_hash_a
Т	modern-condensed, latin-modern-condensed-designs	ize,latin Um odetrhingos<u>n</u>dæn_shæds/m_d udern-light-condensed,latin-modern-l
	B latin-modern-condensed	U settings_to_hash_c

U settings_to_h	ash d	F prependaction	
U unittotex	lu311_u	F prependgroup	
F process_strippe	ad sattings	F removeaction	
F rfc4180splitte	_	F replaceaction	
F runtime	ı	F setkind	
F settings_to_ar	rav	F tostring	
F settings_to_arr		setters	table
F settings_to_arr		F disable	tabte
F settings to has		F enable	
F settings_to_has		F initialize	
F settings_to_has		Flist	
F settings_to_has	_	F new	
F settings_to_num	_	F register	
F settings_to_set		F report	
F simple_hash_to_		Freset	
F splitmethod	_5 ** 19	F show	
F splitthousands		stacker	table
F stepper		F new	
F stripped_settir	ngs to array	storage	table
F totime		F allocate	
F unittotex		F checked	
F unittoxml		F mark	
randomizer	table	F marked	
randomizer F get	table	F marked F setinitializer	
	table		
F get	table	F setinitializer	table
F get F getnumber	table	F setinitializer F sparse	table
F get F getnumber F getseed	table	F setinitializer F sparse streams	table
F get F getnumber F getseed F popseed	table	F setinitializer F sparse streams F close	table
F get F getnumber F getseed F popseed F pushseed	table	F setinitializer F sparse StreamS F close F getposition	table
F get F getnumber F getseed F popseed F pushseed F reuseseed	table	F setinitializer F sparse Streams F close F getposition F getsize	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed	table function	F setinitializer F sparse Streams F close F getposition F getsize F getstring	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseedi		F setinitializer F sparse Streams F close F getposition F getsize F getstring F look	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseedi report	function	F setinitializer F sparse Streams F close F getposition F getsize F getstring F look F open	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseed report sequencers	function	F setinitializer F sparse Streams F close F getposition F getsize F getstring F look F open F openstring	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseed report sequencers F appendaction	function	F setinitializer F sparse Streams F close F getposition F getsize F getstring F look F open F openstring F read2dot14	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseed report sequencers F appendaction F appendgroup	function	F setinitializer F sparse Streams F close F getposition F getsize F getstring F look F open F openstring F read2dot14 F read2dot4	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseed report sequencers F appendaction F appendgroup F compile	function	F setinitializer F sparse Streams F close F getposition F getsize F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseedi report sequencers F appendaction F appendgroup F compile F disableaction	function	F setinitializer F sparse Streams F close F getposition F getsize F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte F readbytes	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseed report sequencers F appendaction F appendgroup F compile F disableaction F disablegroup	function	F setinitializer F sparse Streams F close F getposition F getsize F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte F readbytes F readbytetable	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseedi report sequencers F appendaction F appendgroup F compile F disableaction F disablegroup F enableaction	function	F setinitializer F sparse Streams F close F getposition F getsize F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte F readbytes F readbytetable F readcardinal	table
F get F getnumber F getseed F popseed F pushseed F reuseseed F setseed F setseedi report sequencers F appendaction F appendgroup F compile F disableaction F disablegroup F enablegroup	function	F setinitializer F sparse Streams F close F getposition F getsize F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte F readbyte F readbytes F readbytes F readcardinal F readcardinal	table

F readcardinal3le

F nodeprocessor

F readcardinal4 F newrepeater F readcardinal4le F nice F readcardinaltable T striplinepatterns F readchar U collapse F readfixed2 U prune F readfixed4 U prune and collapse F readinteger U prune and no empty F readinteger1 U prune and to space F readinteger2 U retain F readinteger2le U retain and collapse F readinteger3 U retain and no empty F readinteger3le F striplines F readinteger4 F striplong F readinteger4le F tabtospace F readintegertable T tracers tables table F readsignedbyte F readstring F accesstable F setposition F definedtable F definetable F size F encapsulate F skip F skipbytes F insertaftervalue F skiplong F insertbeforevalue F skipshort F migratetable strings table F removevalue F collapse F replacevalue templates table F collapsecrlf T formatters F load F add F replace F new F replacer F newcollector F resolve

vf (context)

char	function	pdf	function
down	function	рор	function
fontid	function	push	function
image	function	right	function
node	function	rule	function
nop	function	special	function

visualizers (context)

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

xml (context)

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

F number		T xml	
F oneof		Fall	
F print		Fatt	
F quit		F attribute	
F tag		F attributes	
F text		F cdata	
F undefined		F chainattribute	
F upper		F count	
fillin	function	F default	
filter	function	F elements	
finalizers	table	F empty	
F paragraphs	casec	F first	
T tex		F function	
Fall		Findex	
F attribute		Flast	
F chainattribute		F lowerall	
F chainpath		F match	
F command		F name	
F concat		F position	
F concatrange		F reverse	
F context		F table	
F count		F tag	
F ctxtext		F tags	
F default		F text	
F first		F texts	
F function		F upperall	
F index		first	function
F last		found	function
F lettered		functions	table
Flower		F classes	
F lowerall		F hasclass	
F match		getbuffer	function
F name		gethandlers	function
F param		gethandlersfunction	function
F parameter		helpers	table
F position		F recursetext	
F reverse		include	function
F stripped		inclusion	function
F tag		inclusions	function
F tags		index	function
F text		inheritattributes	function
F upper		inheritedconvert	function
F upperall		inject	function
F xml		<pre>inject_element</pre>	function

inject_element_after	function	process elements	function
inject_element_before		processattributes	function
injectafter	function	profiled	table
injectbefore	function	pure	function
insert	function	pushmatch	function
insert element	function	raw	function
insert_element after	function	registerentity	function
insert element before	function	registerns	function
insertafter	function	reindex	function
insertbefore	function	remap name	function
insertcdata	function	remap_namespace	function
insertcomment	function	remap_tag	function
inspect	function	remaprame	function
is valid	function	remaphamespace	function
kind	function	remaphag	function
last	function	rename	function
lastmatch	function	renamespace	function
load	function	reparsedentitylpeg	userdata
lpath	function	replace	function
lpathcached	function	replace_element	function
lpathcalls	function	resetinjectors	function
lshow	function	resolvens	function
makestandalone	function	root	function
match	function	save	function
name	function	selection	function
newhandlers	function	separate	function
nodesettostring	function	serialize	function
originalload	function	serializetotext	function
package	function	setcdata	function
parent	function	setcomment	function
parsedentitylpeg	userdata	sethandlersfunction	function
pihandlers	table	setinjectors	function
Finjector		setproperty	function
F tex		settings	function
placeholders	table	specialcodes	table
<pre>F unknown_any_entity</pre>		S "	
F unknown dec entity		S #	
F unknown hex entity		S \$	
popmatch	function	S %	
position	function	S &	
privatecodes	table	S '	
privatetoken	function	S <	
process	function	S >	
process attributes	function	S \	
• • • • • • • • • • • • • • • • • • • •		- •	

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

zip (extra lua)

archivestableopenarchivefunctionclosefunctionopenfilefunctionclosearchivefunctionregisteredfilestableopenoverloaded functiontypefunction

zlib (extra lua)

adler32 function
compress function
compressobj function
crc32 function

decompress
decompressobj function
version function