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)

CONTEXT MITMORE		44	4-61-
CONTEXTLMTXMODE	number	directives	table
FFISUPPORTED	function	document	table
INITEXMODE	boolean	documentdata	table
LUAMAJORVERSION	number	dofile	function
LUAMINORVERSION	number	drivers	table
LUATEXCOREVERSION	number	environment	table
LUATEXENGINE	string	error	function
LUATEXFORMATID	number	experiments	table
LUATEXFUNCTIONALITY	number	ffi	table
LUATEXVERSION	number	ffilib	function
LUAVERSION	number	figures	table
MP	function	file	table
anywhere	function	fio	table
arg	table	floats	table
assert	function	font	table
attributes	table	fonts	table
backends	table	frozen	boolean
bit32	table	functions	table
blobs	table	getmetatable	function
blockrequire	function	global	table
boolean	table	<pre>grammar_parsed_text_one_nop</pre>	userdata
buffers	table	<pre>grammar_parsed_text_one_yes</pre>	userdata
builders	table	<pre>grammar_parsed_text_two_nop</pre>	userdata
caches	table	<pre>grammar_parsed_text_two_yes</pre>	userdata
callback	table	grammar_unparsed_text_nop	userdata
callbacks	table	grammar_unparsed_text_yes	userdata
catcodes	table	graphics	table
characters	table	gregorian_to_jalali	function
checkimage	function	gzip	table
chemistry	table	images	table
collectgarbage	function	img	table
commands	table	inspect	function
containers	table	interactions	table
context	function	interfaces	table
converters	table	io	table
coroutine	table	ipairs	function
ctxrunner	table	jalali_to_gregorian	function
debug	table	job	table
dimen	function	lang	table
dir	table	languages	table
dircodes	data table	layouts	table

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

function trackers

rawget

table

type	function	utilities	table
typesetters	table	V	string
unpack	function	vf	table
updaters	table	visualizers	table
url	table	xml	table
userdata	table	xpcall	function
utf	table	zip	table
utf8	table	zlih	table

attributes (context)

applyoverloads	function	N	mai n	
colorintents	table		main	
	table		model	
N attribute			models	
D data			mpcolor	
F enable			mpnamedcolor	
F handler			mpoptions	
F register			namedcolorattr	ibutes
D registered	4-61-		none	
colors	table		popset	
N attribute			processcolorco	omponents
F cmyk			pushset	
F cmyktogray			register	
F cmyktorgb			registered	_
F colorcomponent	S		registerspotco	lor
D counts			rgb	
B couple			rgbtocmyk	
F currentmodel			rgbtogray	
F currentnamedmo	del		rgbtohsv	
D data			selector	
N default			setlist	
F defineintermed			setmodel	
F definemultiton			setpagecolormo	odel
F defineprocessc		D	sets	
F definesimplegr	-	F	spec	
F definespotcolo			spot	
F definetranspar	ency	F	spotcolorname	
F enable			spotcolorparer	
F filter			spotcolorvalue	2
N forced			supported	
F forcedmodel		F	toattributes	
F forcesupport		F	transparencyco	omponents
F formatcolor		В	triggering	
F formatgray		F	usecolors	
F getpagecolormo	del	D	valid	
F gray		F	value	
F graytohsv		D	values	
F handler			weightgray	
F hsvtogray		defi		function
F hsvtorgb		effe	ects	table
F iccprofile		N	attribute	
F isblack		D	data	

E			N1	
F enable			N colordodge	
F handler			N darken	
F register			N difference	
D registered			N exclusion	
D values handlers	table		N hardlight	
list			N hue	
	data table		N lighten	
markasoverload	function data table		N luminosity	
names			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			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	definedlayoutco	mponent
F selective		F	enable	
F stacked		F	forcesupport	
F stacker		F	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 forcesupport		F	resolve_reset	
F handler		F	resolve_step	
T names		D	scopes	
N color		_		
		F	setfeatures	
N colorburn			start	

B supported

backends (context)

F getbookmarks

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

F supportedformats

F unicodetoactualtext
F useviewerlayer
F validfield
F validfieldcategory

F validfieldset

F wrapimage S comment

T nodeinjections

F addtagsF annotationF attachfile

F changestackedlayer

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

F insertmovie
F insertswf
F insertu3d
F knockout

F negative F overprint F positive
F reference
F rgbcolor
F spotcolor
F startlayer

F startstackedlayer

F stoplayer

F stopstackedlayer
F transparency
F typesetfield
T registrations
F cmykindexcolor

F cmykspotcolor

F getspotcolorreference

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

T tables
D vfspecials

registrations table
tables table
timestamp function

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext function
tonumber function

buffers (context)

append	function	F define	
assign	function	F hassomecontent	
collectcontent	function	F next	
erase	function	F place	
exists	function	F reset	
get	function	F save	
getcontent	function	prepend	$ \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 hyphenate functions table B insert local par F process rule B kerning B ligaturing F start page number F stop page number B linebreak filter known function B make_extensible list data table B mlist_to_hlist gog function B new graf function push B open read file function register B page objnum provider function report B post linebreak filter supported table B pre dump B append to vlist filter B pre linebreak filter B build page insert B pre output filter B buildpage filter B process input buffer B call edit B process jobname B contribute_filter B process_output_buffer B define font B process pdf image content B find cidmap file B process rule B find_data_file B read_cidmap_file B find_enc_file B read data file B find font file B read enc file B find format file B read font file B find_image_file B read map file B find map file B read opentype file B find opentype file B read pk file B find_output_file B read_truetype_file B find_pk_file B read_type1_file B find read file B read vf file B find_truetype_file B show_error_hook B find_type1_file B show_error_message B find_vf_file B show_lua_error_hook B find write file B show warning message B finish pdffile B start file B finish_pdfpage B start_page_number B finish_synctex B start_run B font descriptor objnum provider B stop file B glyph_not_found B stop_page_number B glyph_stream_provider B stop_run B hpack filter B vpack filter B hpack_quality 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:ru	function	decimals	function
A:sl	function	define	function
AK	function	helpers	table
Alphabetic	function	hexstringtonumber	function
Alphabetic:es	function	hour	function
Alphabetic:ru	function	i	function
Alphabetic:sl	function	isleapyear	function
Character	function	lchexnumber	function
Characters	function	lchexnumbers	function
I	function	leapyear	function
KA	function	lower	function
KR	function	max	function
R	function	maxchrs	function
RK	function	minute	function
Romannumerals	function	month	function
Russiannumerals	function	nicenumber	function
Sloveniannumerals	function	nofdays	function
Spanishnumerals	function	number	function
Word	function	numbers	function
Words	function	octnumber	function
a	function	octstringtonumber	function
a:es	function	ordinal	function
a:ru	function	r	function
a:sl	function	rawcharacter	function
abjadnodotnumerals	function	romannumerals	function
abjadnumerals	function	russiannumerals	function
alphabetic	function	second	function
alphabetic:es	function	sequences	data table
alphabetic:ru	function	settime	function
alphabetic:sl	function	sloveniannumerals	function
character	function	spaceddigits	function
characters	function	spanishnumerals	function
chineseallnumerals	function	textime	function
chinesecapnumerals	function	toabjad	function
chinesenumerals	function	tochinese	function
chr	function	toroman	function
chrs	function	totime	function
cn	function	uchexnumber	function
cn-a	function	uchexnumbers	function

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
enable function
helpers table

F tomatrix

install function
instances table

T default
T actions
F convert
F outputfilename

T flushers

S name T pdf

> T actions F convert

> > F outputfilename
> > F prepare

T flushers S name

lmtxversion number
outputfilename function

environment (context)

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

experiments (context)

data	data table
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 registersuffix function F embed data table resources T keys scale function F print set function F scan setlookups function F serialize function

setmemstream

function

setorder

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)

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

floats (context)

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

font (basic tex)

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

fonts (context)

analyzers	table	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	F getstreamhash
D bothkerned	F getsubstitution
D leftkerned	T handlers
D ligatures	
•	F devanagari_remove_joiners
D rightkerned	F devanagari_reorder_matras
D texligatures	F devanagari_reorder_pre_base_reordering_consonants
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 pdfcache
F dataset	F plugininitializer
F datasetpositionprocessor	F pluginprocessor
S defaultbasealternate	T plugins
S defaultnodealternate	T png
D features	F topdf
F featuresinitializer	D pngcache

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

F readbytetable F vora 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 svq F readinteger F filterglyph F readinteger1 F topdf 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 F size T tfm F skip D cache D features F skiplong 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 loadvf F writecardinal4le F pktopdf F writestring F showpk F stripredundant F sva F reencode N tableversion F setfeatures F unifymissing N version F unpack T vf T combinations F vhea F vmtx F combine

T combiner	S units
D commands	S vfactor
D helpers	S width
D math	S xheight
D predefined	T properties
N version	S autoitalicamount
D whatever	S cidinfo
F hashfeatures	T effect
F hashinstance	S ddelta
T hashmethods	S effect
F normal	S factor
F virtual	S hdelta
F initializefeatures	S hfactor
T keys	S vfactor
T characters	S wdelta
T descriptions	S width
T parameters	S embedding
S ascender	S encodingbytes
S descender	S filename
S designsize	S finalized
T expansion	S fontname
S auto	S format
S shrink	S fullname
S step	S hasitalics
S stretch	S hasmath
S extendfactor	S mathitalics
S factor	S mode
S hfactor	S name
S mathsize	S nostackmath
S mode	S psname
T protrusion	S textitalics
S auto	S virtualized
S quad	D loadedfonts
S scaledpoints	S namemode
S scriptpercentage	N noffontsloaded
S scriptscriptpercentage	N nofsharedfonts
S size	N nofsharedhashes
S slantfactor	N nofsharedvectors
S slantperpoint	N privateoffset
T spacing	D privateslots
S extra	F readanddefine
S shrink	F registerfeature
S stretch	F resetfeature
S width	B resolvevirtualtoo
2 410(1)	D 1630tVCVII tuattou

F scale		D unicodes	
F scaled		D cache	
F setfactor		F is_known	
F setfeature		D known	
F setmathparamet	er	F load	
F setname		F make_unicode_ve	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		getkern	function
F analyze		getmultiple	function
F applypostproce	essors	getsubstitution	function
F checkedmode		getters	table
F checkedscript		T alternate	
F current		F opentype	
S defaultlookup		T kern	
F define		F opentype	
F getspecificati	.on	F type1	
F internal		F type3	
F loadfont		T multiple	
F makespecificat	cion	F opentype	
T methods		T substitution	
F install		F opentype	
1 Instact		goodies	table
D variants		goodics	
		D colorschemes	
D variants			
D variants F read		D colorschemes	
D variants F read F register		D colorschemes T data	
D variants F read F register F registered		D colorschemes T data T dejavu-math	
D variants F read F register F registered F registersplit		D colorschemes T data T dejavu-math S author	
D variants F read F register F registered F registersplit F resetnullfont		D colorschemes T data T dejavu-math S author S comment	
D variants F read F register F registered F registersplit F resetnullfont F resolve		D colorschemes T data T dejavu-math S author S comment S copyright	
D variants F read F register F registered F registersplit F resetnullfont F resolve T resolvers		D colorschemes T data T dejavu-math S author S comment S copyright B initialized	
D variants F read F register F registersplit F resetnullfont F resolve T resolvers F file F name F spec		D colorschemes T data T dejavu-math S author S comment S copyright B initialized T mathematics	
D variants F read F register F registered F registersplit F resetnullfont F resolve T resolvers F file F name F spec definetypeface	function	D colorschemes T data T dejavu-math S author S comment S copyright B initialized T mathematics T alternates	
D variants F read F register F registersplit F resetnullfont F resolve T resolvers F file F name F spec	function table	D colorschemes T data T dejavu-math S author S comment S copyright B initialized T mathematics T alternates T dotless	
D variants F read F register F registered F registersplit F resetnullfont F resolve T resolvers F file F name F spec definetypeface encodings T agl		D colorschemes T data T dejavu-math S author S comment S copyright B initialized T mathematics T alternates T dotless S comment	
D variants F read F register F registered F registersplit F resetnullfont F resolve T resolvers F file F name F spec definetypeface encodings T agl D ctxcodes		D colorschemes T data T dejavu-math S author S comment S copyright B initialized T mathematics T alternates T dotless S comment S feature	
D variants F read F register F registered F registersplit F resetnullfont F resolve T resolvers F file F name F spec definetypeface encodings T agl		D colorschemes T data T dejavu-math S author S comment S copyright B initialized T mathematics T alternates T dotless S comment S feature N value	
D variants F read F register F registered F registersplit F resetnullfont F resolve T resolvers F file F name F spec definetypeface encodings T agl D ctxcodes		D colorschemes T data T dejavu-math S author S comment S copyright B initialized T mathematics T alternates T dotless S comment S feature N value T kerns	
D variants F read F register F registered F registersplit F resetnullfont F resolve T resolvers F file F name F spec definetypeface encodings T agl D ctxcodes D extras		D colorschemes T data T dejavu-math S author S comment S copyright B initialized T mathematics T alternates T dotless S comment S feature N value T kerns S name	

S author		D	quads	
S comment		D	resources	
S copyright		Т	setdynamics	
B initialized		Т	shapes	
T mathematics		D	spaces	
T alternates		D	spacings	
T dotless		Т	streams	
S comment		D	unicodes	
S feature		D	variants	
N value		D	xheights	
T kerns		help	ers	table
S name		F	${\tt addextraprivate}$	
S version		F	addprivate	
D designsizes		F	appendcommands	
D filenames		F	appendcommandtab	le
F getcompositions		F	checkflags	
T list		F	checkmerge	
F load		F	checksteps	
F prepare_features		F	collectanchors	
F register		D	commands	
F registerpostproces	ssor	F	descriptiontoslo	t
F report		F	dimenfactor	
T suffixes		F	expandglyph	
handlers t	able	Т	extraprivates	
hashes t	able	F	fontpatternhassi	.ze
D characters		F	getcoloredglyphs	
D classes		F	getdigitwidth	
D csnames		F	getinstancespec	
D descriptions		F	getparameters	
D dynamics		F	getprivatecharor	node
D emwidths		F	getprivatenode	
D exheights		F	getprivates	
D extensibles		F	getprivateslot	
D features		F	hasprivate	
D identifiers		F	indextoslot	
D italics		F	name	
D lastmathids		F	nametoslot	
D marks		F	prependcommands	
D mathparameters		F	prependcommandta	ble
D modes		F	privateslot	
D originals		F	setdigitwidth	
D parameters		F	splitfontpattern	ı
T processes		F	tochar	
D properties		info	font	function

iterators	table	N textextrabase	
F characters		protrusions	data table
F descriptions		readers	table
F glyphs		Fafm	
loggers	table	F check_lua	
F add_placeholde	rs	- F check_tfm	
D category_to_pl		– F lua	
F format		Fofm	
F onetimemessage		F opentype	
F register		Fotf	
F reportdefinedf	onts	F pfb	
F reportusedfeat		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 tounicodel6		F default	
F tounicodel6seq	uence	D defaults	
metapost	table	F definefallback	rfamily
F boundingbox		F definefontfami	ily
F boxtomp		F definefontfami	llypreset
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 registerfallba	ack
privateoffsets	table	F registerfiles	
B keepnames		F registerfontal	ternative
N mathbase		F registerfontfa	amily
N mathextrabase		F textfallback	
N textbase		F typeface	

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

typefaces table

symbols

table

functions (context)

dummy function

graphics (context)

backgrounds table F fetchmultipar

F pair F path F point

identifiers table

F bitmap

F jp2

F jpg F png

identify function

gzip (extra lua)

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

images (context)

check	function	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
characters function
close function
copydata function
exists function
fileseparator string
flush function

loadchunk function
loaddata function
loadlines function
noflines function

open overloaded function
output overloaded function

pathseparator string

function read readall function readnumber function readstring function saved lines function savedata function size function stderr userdata stdin userdata stdout userdata function tmpfile function type write 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	F	column	
D collected		F	сору	
F get		F	depth	
F number		F	e_column	
F page		F	e_region	
F save		F	enhance	
F set		F	extra	
D tobesaved		Т	free	
pack	boolean	F	get	
packversion	number	F	gethpos	
pagestates	table	F	getpos	
D collected			getreserved	
F countervalue		F	gettobesaved	
F extend			getvpos	
F realpage			hangafter	
F realpageorder			hangindent	
F setstate		F	height	

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

F upperleft

F upperright

D tobesaved

number

version

lang (basic tex)

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

languages (context)

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

T enablers
B enables
F found

F load

T methods

N threshold

layouts (context)

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

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

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

lpeg (basic lua)

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	F simplify	
filter	table	F table		
F chain		source t	able	
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
bytedata	data table
bytedone	table
collectgarbage	function
delay	function
finalize	function
firstbytecode	number
flush	function
flushdelayed	function
<pre>get_functions_table</pre>	function
getbytecode	function
getcalllevel	function
getluaname	function
getstacktop	function
lastbytecode	number
macros	table

B enabled F loaded F required
F reset
F resolvestring
F resolving
F showdefinitions

string mask data table messages table name function newtable data table numbers registercode function registeredcodes function registerfinalizer function registername function function setbytecode setluaname function startupfile string version string

luatex (context)

abort function F finish cleanup function F pause cleanuptempfiles function F popline currentfile function F pushline registerdumpactions function F registerdisabler registerpageactions function F registerenabler registerstartactions function F resetfilename registerstopactions function F resume registertempfile function F setfilename starttime number F setup svnctex 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)

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

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

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

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

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

mplib (extra tex)

char_depth function
char_height function
char_width function
execute function
fields function
finder function
finders table
 F file

F mpstemplate

finish function

get_boolean function
get_number function
get_numeric function
get_path function
get_string function

new overloaded function

pen_info function
solve_path function
statistics function
version function

noads (context)

F render

handlers	table	F	resize	
F align		F	showtree	
F alternates		F	tags	
F autofences		F	unscript	
F classes		F	unstack	
F collapse		F	variants	
F domains		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	effective glue	function
aligned	function	end of math	function
append	function	fencecodes	data table
apply	function	fields	function
applyvisuals	function	fillcodes	data table
astable	function	find_attribute	function
basepoints	function	first_glyph	function
boundarycodes	data table	firstcharacter	function
boxes	table	firstcharinbox	function
F dimensions		firstdirinbox	function
F direct		firstglyph	function
F found		flatten_discretionaries	function
F reset		flush	function
F restore		flush_list	function
F save		flush_node	function
builders	table	free	function
F buildpage_filter		fullhpack	function
F vpack_filter		getattr	function
<pre>check_discretionaries</pre>	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	
discretionarycodes	data table	F checkforleaks	

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

mlist to hlist function F free new function F fullhpack noadcodes data table F get_synctex_fields table noadoptions F getattr N axis F getattribute N exact F getattributelist N left F getattrlist N middle F aetboth F getbox N no axis N right F getboxglue N set F getchar N unused 1 F getcomponents N unused 2 F getdata nodecodes data table F getdepth nopts function F getdir table nuts F getdirection F getdisc F append F apply F getdiscretionary F applyvisuals F getexpansion F check discretionaries F getfam F concat F getfield F copy F getfont F copy_list F getglue F getglyphdata F copy_no_components F copy node F getheight F copy_only_glyphs F getid F copy_properties F getkern F copyvisual F getlang F getlanguage F count F countall F getleader F current attr F getlist F delete F getnext F dimensions F getnucleus F getoffsets F effective glue F end_of_math F getorientation F find attribute F getpenalty F first_glyph F getprev F firstcharacter F getprop F firstcharinbox F getruledata F firstglyph F getshift F flatten_discretionaries F getsub F flush F getsubtype F flush list F getsup

F flush node

F getsurround

F getvalue F fraction F getwhd F glue F getwidth F gluespec F has attribute F glyph F has field F hlist F italickern F has glyph F hpack F kern F hyphenating F latelua F leader F insert_after F insert before F leftmarginkern F insert list after F leftskip F is direct F lineskip F is_display_math F literal F mathchar F is node F mathtextchar F is_nut F is_zero_glue F negatedglue F ischar F noad F isdone F originliteral F outlinerule F isglyph F pageliteral F kerning F last node F penalty F leftmarginwidth F radical F length F rawliteral F ligaturing F register F link F restore F linked F rightmarginkern F locate F rightskip F mlist to hlist F rule F nestedtracedslide F save F new F savepos F setmatrix T pool F accent F shrink F baselineskip F stretch F boundary F subbox F choice F submlist F cleanup F temp F delim F textdir F delimiter F usage F direction T userids F directliteral N margins.inline F disc N splitters.one F emptyrule N splitters.two F fence F usernode

F userrule

F fontkern

F setfield F vlist F wordboundary F setfont F prepend F setglue F processranges F setglyphdata F processwords F setheight F protect glyph F setkern F protect_glyphs F setland F protrusion_skippable F setlanguage F setleader F rangedimensions F setlink F rawprop F setlist F reference F rehpack F setnext F remove F setnucleus F setoffsets F repackhlist F replace F setorientation F rightmarginwidth F setpenalty T rules F setprev T ruleactions F setprop F box F setruledata F draw F setshift F fill F setsplit F mp F setsub F stroke F setsubtype F userrule F setsup F set attribute F setsurround F setunsetattributes F set synctex fields F setattr F setvalue F setattribute F setvisual F setattributelist F setvisuals F setattributes F setwhd F setattrlist F setwidth F sethoth F slide F setbox F somepenalty F setboxglue F somespace F setchar F splitbox F setcomponents F striprange F setdata F tail F setdepth F takeattr F setdir F takebox F setdirection F takelist F setdisc F theprop F setdiscretionary F tonode F tonodes F setexpansion F setfam F tonut

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

pts	function	F define	
radicalcodes	data table	F enable	
rangedimensions	function	F handler	
reference	function	show	function
references	table	showboxes	function
N attribute		showcodes	function
T done		showlist	function
F handler		showsimplelist	function
T stack		skipcodes	data table
rehpack	function	skipvalues	data table
remove	function	slide	function
repackhlist	function	snapshots	table
replace	function	F getparameters	
report	function	F getsamples	
rightmarginwidth	function	F resetsamples	
rulecodes	data table	F takesample	
rules	table	somepenalty	function
D data		somespace	function
F define		splitbox	function
F enable		stripdiscretionaries	function
F handler		stripping	table
F userrule		T glyphs	
save	function	F set	
serialize	function	subtypes	data table
serializebox	function	tail	function
set_attribute	function	takeattr	function
setattr	function	takebox	function
setattribute	function	tasks	table
setattributes	function	F actions	
setboth	function	F appendaction	
setbox	function	F disableaction	
setboxtonaturalwd	function	F disablegroup	
setchar	function	F enableaction	
setfield	function	F enablegroup	
setfont	function	F freeze	
setglue	function	F freezegroup	
setleader	function	F new	
setlink	function	F prependaction	
setlist	function	F removeaction	
setnext	function	F replaceaction	
setprev	function	F restart	
setunsetattributes	function	F setaction	
shifts			
31111113	table	F showactions	

tobasepoints	function	T steppers	
tocentimeters	function	F check	
tociceros	function	F codes	
todidots	function	F features	
todimen	function	F font	
toinches	function	F glyphs	
tomillimeters	function	F message	
tonewciceros	function	F messages	
tonewdidots	function	F nofsteps	
tonode	function	F register	
tonodes	function	F reset	
tonut	function	F start	
topicas	function	F stop	
topoints	function	F stop	
toscaledpoints	function	T transparencies	
tosequence	function	F reset	
tostring	function	F set	
totable	function	F setlist	
totree	function	traverse	function
toutf	function	traverse_char	function
tracers	table	traverse_glyph	function
T characters		traverse_id	function
F collect		traverse_list	function
F equal		traversers	table
F start		F char	
F string		F glyph	
F unicodes		F list	
T colors		F node	
F reset		typesetters	table
F set		F hbox	
F setlist		F hpack	
F fontchar		F tohbox	
T frequencies		F tohpack	
F register		F tonodes	
T pool		F tovbox	
T nodes		F tovpack	
F rule		F vpack	
T nuts		unprotect_glyph	function
F rule		unprotect_glyphs	function
F resetproperties		unset_attribute	function
F rule		unsetattribute	function
F setlist		unsetattributes	function
F setproperties		usedlist	function
F start		usercodes	data table

uses_font vianodes vianuts visualizebox visualizers table

F attribute

T attributes

F box

F handler F markfonts function function function function F register F setfont F setlayer F setruledglyph F setvisual

vpack whatcodes whatsitcodes write

function data table data table function

number (context)

basepoints	function function	tobitstring tocentimeters	function 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	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)

<pre>columnsets table</pre>	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)

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

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

S S

S

Т

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 writers table F showdatasetauthors

F showdatasetautnors
F showdatasetcompleteness
F showdatasetfields
F showentry
F showfields
F showhashedauthors

F author
F keyword
F pagenumber
F range

regimes (context)

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

resolvers (context)

allprefixes	function	findpath	function
appendhash	function	findpk	function
automount	function	findtexfile	function
automounted	table	findwildcardfile	function
booleanvariable	function	findwildcardfiles	function
cacheversion	string	formatofsuffix	function
checkedvariable	function	formatofvariable	function
cleanedpathlist	function	formats	data table
	function	foundintree	function
cleanpath	function	foundintrees	function
cleanpathlist concatinators	data table		data table
		generators	function
configbanner	string	get_from_content	
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
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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 processmkli 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 validatedpath renewcache function 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_at	fter
N inter_char_half_shrink_factor F zerowidthspace_before		efore	
N inter_char_half_	stretch_factor	installdataset	function
N inter_char_hangu	l_penalty	installmethod	function
N inter_char_quart	er_shrink_factor	numbertocategory	data table
N inter_char_quart	er_stretch_factor	numbertodataset	data table
N inter_char_shrin	k_factor	numbertohandler	data table
N inter_char_stret	ch_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
readcardinaltable	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	function
S	referer	sinkt	overloaded	table
S	remote-mta	F close-when-don	ie	
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	
S	status	sourcet	overloaded	table
S	subject	F by-length		
S	te	F default		
S	to	F http-chunked		
S	trailer	F until-closed		
S	transfer-encoding	tcp	function	
S	upgrade	tcp4	function	
	user-agent	tcp6	function	
	vary	tp	overloaded	table
S	via	N TIMEOUT		
	warning	F connect		
	will-retry-until	try	overloaded	function
	www-authenticate	udp	function	
	x-mailer	udp4	function	
F 1				
	ower	udp6	function	
F n	normalize	url	overloaded	table
F n	ormalize overloaded table	url F absolute		table
F n http N T	overloaded table TIMEOUT	url F absolute F build		table
F n http N T S U	overloaded table TIMEOUT USERAGENT	url Fabsolute Fbuild Fbuild_path		table
F n http N T S U F g	overloaded table TIMEOUT	url F absolute F build		table

 ${\sf F} \ {\sf parse_path}$

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
Врс		update	function

statistics (context)

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

status (basic tex)

list function setexitcode function

resetmessages function

storage (context)

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

streams (context)

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

string (basic lua)

autodouble	function		4
		quote	function
autosingle	function	quoted	function
booleanstring	function	rep	function
byte	function	replacenewlines	function
bytepairs	function	reverse	function
bytes	function	split	function
bytetable	function	splitlines	function
char	function	splitup	function
characterpairs	function	strip	function
characters	function	sub	function
checkedsplit	function	tformat	function
collapsespaces	function	toHEX	function
containsws	function	toboolean	function
count	function	tobytes	function
dump	function	tocontext	function
escapedpattern	function	todec	function
explode	function	todimen	function
find	function	tohex	function
format	function	tonodes	function
formatter	function	topattern	function
formatters	function	totable	function
fullstrip	function	toutf	function
gmatch	function	tracedchar	function
gsub	function	tracedchars	table
is_boolean	function	unpack	function
is_empty	function	unquote	function
itself	function	unquoted	function
len	function	upper	function
limit	function	utfcharacter	function
longtostring	function	utfcharacters	function
lower	function	utflength	function
match	function	utfpadd	function
nospaces	function	utfpadding	function
nspaces	table	utfvalue	function
optionalquoted	function	utfvalues	function
pack	function	valid	function
packsize	function		
-			

structures (context)

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

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

F listindex		T data
T numbers		F define
F ordered		F found
F postpone		F get
F resetpostponed		F filter
F restore		F filterdefault
F save		D filters
F setstate		D flaginternals
D states		F from
F store		D functions
pages	table	F get
F allmarked		F getcurrentmetadata
F analyze		F getcurrentprefixspec
D collected		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 checkedfile F checkedfileorurl		F load F loadpresets F mark
F checkedfile F checkedfileorurl F checkedprogram		F load F loadpresets
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage		F load F loadpresets F mark S outermethod D pages
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl		F load F loadpresets F mark S outermethod D pages U prefixsplitter
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata F currentorder		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data F define
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata F currentorder D currentset		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data F define F get
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata F currentorder D currentset F define		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data F define F get F realpageofpage
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata F currentorder D currentset F define D defined		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data F define F get F realpageofpage U referencesplitter
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata F currentorder D currentset F define D defined D derived		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data F define F get F realpageofpage U referencesplitter D referred
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata F currentorder D currentset F define D defined D derived F enhance		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data F define F get F realpageofpage U referencesplitter D referred F referredpage
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata F currentorder D currentset F define D defined D derived F enhance D executers		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data F define F get F realpageofpage U referencesplitter D referred F referredpage F registerfinalizer
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata F currentorder D currentset F define D defined D derived F enhance D executers F expandcurrent		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data F define F get F realpageofpage U referencesplitter D referred F referredpage F registerfinalizer F registerinitializer
F checkedfile F checkedfileorurl F checkedprogram F checkedrealpage F checkedurl D collected U componentsplitter F currentmetadata F currentorder D currentset F define D defined D derived F enhance D executers		F load F loadpresets F mark S outermethod D pages U prefixsplitter D productdata T programs T data F define F get F realpageofpage U referencesplitter D referred F referredpage F registerfinalizer

D runners		F	enhance	
F set		F	extend	
F setandgetattribut	te	F	filter	
F setcomponent		F	filtercollected	
F setinternalrefere	ence	F	finalize	
F setlinkmethod		F	findinternal	
F setnextinternal		F	flush	
F setnextorder		F	get	
F setreferencereal	page	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 operati	.on	F	autodepth	
F special operati	on with arguments	F	cct	
T testspecials		D	collected	
F deltapage		F	current	
Fi		F	currentblock	
F internal		F	currentid	
F page		F	currentlevel	
F realpage		F	currentsectionindex	
F section		F	depthnumber	
F userpage		F	finddata	
D tobereferred		F	findnumber	
D tobesaved		F	fullnumber	
D tracedpages		F	getcurrentlevel	
T urls		F	getlevel	
T data			getnumber	
F define		F	internalreference	
F found		D	levelmap	
F get		D	levels	
F untex		F	matchingtilldepth	
D usedinternals		F	numberatdepth	
D usedviews		F	numbers	
F valid			popblock	
registers	table		prefixedconverted	
F analyze			pushblock	
D collected			register	
F compare		D	registered	
F define		F	reportstructure	

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

F registerused

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	getmuglue	function
constants	data table	getmuskip	function
count	table	getnest	function
cprint	function	getpagestate	function
ctdcatcodes	number	getsfcode	function
ctxcatcodes	number	getskip	function
definefont	function	gettoks	function
delcode	table	getuccode	function
dimen	table	glue	table
directives	data table	hashtokens	function
enableprimitives	function	ifs	data table
error	function	inicatcodes	number
extraprimitives	function	init_rand	function
finish	function	isattribute	function
fontidentifier	function	isbox	function
fontname	function	iscount	overloaded function
force_synctex_line	function	isdefined	function
force_synctex_tag	function	isdimen	overloaded function
forcehmode	function	isglue	function
fprint	function	ismuglue	function
get	function	ismuskip	overloaded function
get_synctex_line	function	isskip	overloaded function
get_synctex_mode	function	istoken	function
get_synctex_tag	function	istoks	function
getattribute	function	lccode	table
getbox	function	linebreak	function
getboxresourcebox	function	lists	table
getboxresourcedimensions	function	lua_math_random	function
getcatcode	function	lua_math_randomseed	function
getcount	function	luacatcodes	number
getdelcode	function	magicconstants	table
getdelcodes	function	N maxdimen	

N runnina N trueinch mathcode table data table modes muglue table muskip table table nest nilcatcodes number normal rand function notcatcodes number number function primitives function print function prtcatcodes number resetparagraph function romannumeral function round function run function runtoks function saveboxresource function function scale scantoks function function set function set synctex line function set synctex mode set_synctex_no_files function set synctex tag function setattribute function setbox function setcatcode function setcount function setdelcode function setdimen function setglue function setglyphdata function setlccode function

setlist setmath setmathcode setmualue setmuskip setnest setsfcode setskin settoks setuccode sfcode shipout show context skip sp splitbox sprint systemmodes takebox texcatcodes toks tpacatcodes tpbcatcodes tprint trackers triggerbuildpage txtcatcodes type uccode uniform rand uniformdeviate uprint useboxresource vrbcatcodes write

function table function function table function function function data table function number table number number function data table function number function table function function function function number function

texconfig (basic tex)

error_line	number	max_in_open	number
expand_depth	number	max_print_line	number
<pre>fix_mem_init</pre>	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)

token (basic tex)

biggest_char	function
command_id	function
commands	function
create	function
expand	function
<pre>get_active</pre>	function
get_cmdname	function
get_command	function
get_csname	function
get_expandable	function
get_id	function
get_index	function
get_macro	function
get_meaning	function
get_mode	function
get_next	function
get_protected	function
get_tok	function
is_defined	function
is_token	function
new	function

put_next	function
scan_argument	function
scan_code	function
scan_csname	function
scan_dimen	function
scan_float	function
scan_glue	function
scan_int	function
scan_keyword	function
scan_keyword_cs	function
scan_list	function
scan_real	function
scan_string	function
scan_token	function
scan_toks	function
scan_word	function
set_char	function
set_lua	function
set_macro	function
type	function

tokens (context)

astal	ble	function			U loadfou	undtypescriptfile
bgrou	ир	userdata			U resetct	txscanner
bits		table			U rlap	
N	active				U scratch	ncounter
N	alignment				U scratch	ndimen
N	begingrou	р			U scratch	nmuskip
N	character				U scratch	nskip
N	close				U scratch	ntoken
N	comment				U secondo	oftwoarguments
N	endgroup				U setfals	sevalue
N	endofline	!			U setsect	tionblock
N	escape				U setupsy	/stem
N	ignore				U startco	olumns
N	invalid				U startta	abulate
N	letter				U startti	itle
N	mathshift				U startxt	title
N	open				U stopcol	Lumns
N	other				U stoptab	oulate
N	parameter				U stoptit	tle
N	space				U stopxti	itle
N	subscript				U texsetu	ıb
N	superscri	pt			U xmlw	
N	whitespac	е		co	llector	s table
cache	е	table			T data	
U	NC				F default	twords
U	NR				F dowith	vords
U	bf				F flush	
U	color				F install	L
U	colordefa	lc			F registe	er
U	colordeff	lc			T registe	ered
U	colordeff	lt			F show	
U	colordefr	lt			F test	
U	dofinishr	eference		COI	mmands	data table
U	dostartte	xt			mpile	function
U	finishjob	1		COI	nstant	function
U	firstofon	eargument		COI	nverter	s table
		oarguments			S toboole	
	gobbleone	argument			S todimer	1
	goto				S toglue	
U	iftrue				S tonumbe	er
U	input				S tostri	ng

	function			
create	function	F list		
defined	function	F lxmlid		
egroup	userdata	F number		
getters	table	F real		
F box		F scanclose		
F count		F scanopen		
F dimen		F skip		
F glue		F string		
F macro		F table		
F meaning		F token		
F skip		F tokens		
F token		F toks		
hbox	userdata	F verbatim		
isdefined	function	F whd		
istoken	function	F word		
letter	function		table	
letters	function	F box		
new	function	F char		
other	function	F count		
pickup	function	F dimen		
presets	table	F glue		
T 1 string		F lua		
T 2 strings		F macro		
T 3 strings		F skip		
T 4 strings		shortcuts	table	
T 5 strings		T bits		
T 6 strings		N active		
T 7 strings		N alignmen	t	
T 8 strings		N begingro	up	
printlist	function	N characte	r	
scanners	table	N close		
F argument		N comment		
F boolean		N endgroup		
F code		N endoflin	е	
F condition	al	N escape		
F count		N ignore		
F csname		N invalid		
F dimen		N letter		
F dimension		N mathshif	t	
F float		N open		
F glue		N other		
F integer		N paramete	r	
F keyword				
i keyword		N space		
F keywordcs		N space N subscrip	t	

N superscript	F verbatim
N whitespace	F whd
N close	F word
F inspect	F scannumber
N open	F scanopen
F report	F scanstring
F scanargument	F scantable
F scanboolean	F scanverbatim
F scanclose	F scanword
F scancode	F toboolean
F scanconditional	F todimen
F scancsname	T tokens
F scandimen	F astable
F scandimension	U bgroup
F scaninteger	T cache
F scankeyword	U NC
F scankeywordcs	U NR
F scanlist	U bf
T scanners	U color
F argument	U colordefalc
F boolean	U colordefflc
F code	U colordefflt
F conditional	U colordefrlt
F count	U dofinishreference
F csname	U dostarttext
F dimen	U finishjob
F dimension	U firstofoneargument
F float	U firstoftwoarguments
F glue	U gobbleoneargument
F integer	U goto
F keyword	U iftrue
F keywordcs	U input
F list	U loadfoundtypescriptfile
F lxmlid	U resetctxscanner
F number	U rlap
F real	U scratchcounter
F scanclose	U scratchdimen
F scanopen	U scratchmuskip
F skip	U scratchskip
F string	U scratchtoken
F table	U secondoftwoarguments
F token	U setfalsevalue
F tokens	U setsectionblock
F toks	U setupsystem

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

F tostring vtop userdata

vbox userdata

tracers (context)

count function
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		size	
F disable			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	atters	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			1 4 - 41 4 -	
1 Teddedidinatite		F	loadedluacode	
F readcardinaltable	9		loadstring	
	9	F		
F readcardinaltable	9	F F	loadstring	
F readcardinaltable	e e e e e e e e e e e e e e e e e e e	F F N	loadstring loadstripped	
F readcardinaltable F readchar F readfixed2	2	F F N	loadstring loadstripped nofstrippedbytes	
F readcardinaltable F readchar F readfixed2 F readfixed4	2	F F N N F	loadstring loadstripped nofstrippedbytes nofstrippedchunks	
F readcardinaltable F readchar F readfixed2 F readfixed4 F readinteger	2	F N N F B	loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer	
F readcardinaltable F readchar F readfixed2 F readfixed4 F readinteger F readinteger1	<u>a</u>	F F N F B	loadstring loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer stripcode	g
F readcardinaltable F readchar F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger2	2	F F N N F B T	loadstring loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer stripcode strippedchunks	9
F readcardinaltable F readchar F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger2 F readinteger2le	a	F F N N F B T	loadstring loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer stripcode strippedchunks strippedloadstrin	g
F readcardinaltable F readchar F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger2 F readinteger2 F readinteger3	2	F F N N F B T	loadstring loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer stripcode strippedchunks strippedloadstrin suffixes	g
F readcardinaltable F readchar F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger2 F readinteger2le F readinteger3 F readinteger3le		F F N N F B T	loadstring loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer stripcode strippedchunks strippedloadstrin suffixes S lua	g
F readcardinaltable F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger2 F readinteger2le F readinteger3 F readinteger3le F readinteger4		F F N N F B T	loadstring loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer stripcode strippedchunks strippedloadstrin suffixes S lua S luc	g
F readcardinaltable F readchar F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger3le F readinteger4 F readinteger4	a	F F N N F B T	loadstring loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer stripcode strippedchunks strippedloadstrin suffixes S lua S luc S lui	g
F readcardinaltable F readchar F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger3 F readinteger4 F readinteger4 F readinteger4	2	F F N N F B T	loadstring loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer stripcode strippedchunks strippedchunks strippedloadstrin suffixes S lua S luc S lui S luj	g
F readcardinaltable F readchar F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger3le F readinteger4 F readinteger4 F readinteger4 F readinteger4le F readintegertable F readingenedbyte	2	F F N N F B T	loadstring loadstripped nofstrippedbytes nofstrippedchunks registerfinalizer stripcode strippedchunks strippedloadstrin suffixes S lua S luc S lui S luj S luy	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_ha	ach d	F prependaction	
U unittotex	u311_u	F prependaction	
F process_strippe	d settings	F removeaction	
F rfc4180splitter	_	F replaceaction	
F runtime		F setkind	
F settings_to_arr	av	F tostring	
F settings_to_arr		setters	table
F settings_to_arr		F disable	cabic
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_		F reset	
F splitmethod	,5 t. 1.1.g	F show	
F splitthousands		stacker	table
F stepper		F new	
F stripped_settin	gs to array	storage	table
F totime		F allocate	
F unittotex		F checked	
F unittoxml		F mark	
randomizer	table	F marked	
F get		F setinitializer	
F getnumber		F sparse	
i ge ciidiibei			
F getseed		streams	table
-		·	table
F getseed		streams	table
F getseed F popseed		streams F close	table
F getseed F popseed F pushseed		streams F close F getposition	table
F getseed F popseed F pushseed F reuseseed		streams F close F getposition F getstring	table
F getseed F popseed F pushseed F reuseseed F setseed	function	streams F close F getposition F getstring F look	table
F getseed F popseed F pushseed F reuseseed F setseed F setseedi	function table	streams F close F getposition F getstring F look F open	table
F getseed F popseed F pushseed F reuseseed F setseed F setseedi report		streams F close F getposition F getstring F look F open F openstring	table
F getseed F popseed F pushseed F reuseseed F setseed F setseedi report sequencers		F close F getposition F getstring F look F open F openstring F read2dot14	table
F getseed F popseed F pushseed F reuseseed F setseed F setseedi report sequencers F appendaction		F close F getposition F getstring F look F open F openstring F read2dot14 F read2dot4	table
F getseed F popseed F pushseed F reuseseed F setseed F setseedi report sequencers F appendaction F appendgroup		F close F getposition F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte	table
F getseed F popseed F pushseed F reuseseed F setseed F setseedi report sequencers F appendaction F appendgroup F compile		F close F getposition F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte F readbytes	table
F getseed F popseed F pushseed F reuseseed F setseed F setseedi report sequencers F appendaction F appendgroup F compile F disableaction		F close F getposition F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte F readbytes F readbytetable	table
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 close F getposition F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte F readbytes F readbytetable F readcardinal	table
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		F close F getposition F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte F readbyte F readbytes F readcardinal F readcardinal	table
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		F close F getposition F getstring F look F open F openstring F read2dot14 F read2dot4 F readbyte F readbyte F readbytes F readcardinal F readcardinal2	table

F readcardinal4

F nodeprocessor

F readcardinal4le F nice F readcardinaltable T striplinepatterns U collapse F readchar 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 F collapsecrlf templates table F load T formatters F add F replace F new F replacer F newcollector F resolve

F newrepeater

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

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

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

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

zip (extra lua)

archivestableopenarchivefunctionclosefunctionopenfilefunctionclosearchivefunctionregisteredfilestableopenoverloaded functiontypefunction

zlib (extra lua)

adler32 function
compress function
compressobj function
crc32 function

decompress
decompressobj function
version function