MP attributes backends basexx bit32 blobs boolean buffers builders caches callbacks catcodes characters chemistry commands containers context converters coroutine ctxrunner debug dir directives document documentdata drivers environment experiments figures file fio floats font fonts functions global graphics gzip images interactions interfaces io iob languages layouts lfs libraries lmx logs lpdf luatex lxml math mathematics md5 metapost mime moduledata modules mp mplib noads mode nodes number objects optional os ckage pagebuilders parametersets pdfdecode pdfe physics pngdecode publications regimes resolvers sandbox scripts set sha2 sio socket sorters statistics status storage streams string structures table texconditionals texconfig texconstants texifs texisdefined texmodes texsystemmodes thirddata tokens tracers trackers typesetters updaters url userdata utf8 utilities visualizers xcomplex xdecimal xmath xml xzip zip zlib

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F register		F complement
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F handler		N main
F register		S model
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F cmyktogray		F namedcolorattributes
F cmyktorgb		N none
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F defineinterme	diatecolor	
		F rgb
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F	forcesupport	F	resolve_reset
F	handler	F	resolve_step
В	hasorder	D	scopes
D	listwise	F	setfeatures
F	register	F	start
D	registered	F	stop
F	resolve_begin	В	supported
F	resolve_end	D	values

F getbookmarks

function closeout F getdefaultfieldvalue codeinjections table F getfieldcategory F boxresourcedimensions F getfieldset F registerboxresource F getformatoption F restoreboxresource F getidentityvariable current string F aetinfo defaults table F getpreviewfigure T codeiniections F insertrenderingwindow T nodeiniections F ip2 T registrations F ipq D tables F maptag getcallbackstate function F mergebookmarks included table F meraecomments B context F mergefields B date F mergereferences B id F mergeviewerlayers B metadata F newimage B pdf F pnq install function F prerollreference latelua function F presetsymbol nodeinjections table F presetsymbollist nothing function F processrendering function openout F registerdocumentcloseaction pdf table F registerdocumentopenaction T codeinjections F registeredsymbol F addbookmarks F registerpagecloseaction F analyzenormalsymbol F registerpageopenaction F analyzesymbol F registerpattern F attachmentid F registersymbol F bitman F scanimgage F clonefield F setattachmentsupport F copyimage F setfieldcalculationset F setfigurealternative F definefield F definefieldset F setfigurecolorspace F defineviewerlayer F setfiguremask F embedfile F setformat F embedimage F setformsmethod F enabletags F setpagetransition F exportformdata F settaggingsupport F fieldsurrounding F setupidentity F flushmergelayer F setxmpfile

F startlayer

F startunicodetoactualtext
F startunicodetoactualtextdirect

F stoplayer

F stopunicodetoactualtext
F stopunicodetoactualtextdirect

F supportedformats
F unicodetoactualtext
F useviewerlayer

F validfield F validfieldcategory

F validfieldset
F wrapimage
S comment

T nodeinjections
F addtags
F annotation
F attachfile

F changestackedlayer

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

F insertmovie
F insertsound
F insertu3d

F knockout

F negative
F overprint
F positive
F reference
F rabcolor

F spotcolor

F startalternate F startlaver

F startstackedlayer
F stopalternate
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

registrations table
tables table
writeout function

basexx (extra lua)

function	encode16	function
function	encode64	function
function	encode85	function
function	encodeLZW	function
function	encodeRL	function
	function function function	function encode64 function encode85 function encodeLZW

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext function
tonumber function

buffers (context)

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

checksidefloat	function		F tag	
kernel	table	р	rofiling	table
F hyphenating			F add	
F hyphenation			F distance	
F kerning			F fixedprofi	Le
F ligaturing			F get	
F mlist_to_hlist			F list	
paragraphs	table		F pagehandle	•
T constructors			F profilebox	
N attribute			F set	
F define		v	spacing	table
F disable			D categories	
F enable			F checkstrut	depth
F handler			F collapsevbo	Х
T methods			T data	
F basic			D map	
F default			D skip	
F hpack			D snapmetho	ds
F oneline			F definesnapm	nethod
D names			B fixed	
D numbers			F forcepagef	Lush
F set			F forcestruto	depth
F start			F getnofprevi	louslines
F stop			F inject	
T expansion			F injectdisab	ole
F trace			F injectpenal	Lty
F keeptogether			F injectskip	
F registertogeth	er		F pagehandle	•
T solutions			F pageoverflo	DW .
T splitters			F popatsame	
F define			F pushatsame	
F optimize			F setmap	
T registered			F setskip	
F reset			F snapbox	
F set			F synchronize	epage
F split			F tocategorie	es
F start			F tocategory	
F stop			F vboxhandle	-

caches (context)

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

callback (basic tex)

find function
known function
list function

register overloaded function

usage function

callbacks (context)

freeze	function
functions	table

 ${\tt F} {\tt start_page_number}$

 ${\sf F} \ {\sf stop_page_number}$

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

- B append_to_vlist_filter
- B begin_paragraph
- B build_page_insert
- B buildpage filter
- B contribute_filter
- B define font
- B find format file
- B find_log_file
- B handle_overload
- B hpack filter
- B hpack_quality
- B hyphenate
- B insert_par
- B intercept lua error

- B intercept_tex_error
- B kerning
- B ligaturing
- B linebreak filter
- B make_extensible
- B mlist_to_hlist
- B open data file
- B post linebreak filter
- B pre dump
- B pre linebreak filter
- B pre_output_filter
- B process_jobname
- B show_error_message
- B show lua call
- B show_warning_message
- B show_whatsit
- B start_file
- B start_run
- B stop_file
- B stop_run
- B trace_memory
- B vpack filter
- B vpack_quality
- B wrapup run

catcodes (context)

names data table
numbers data table

register function

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	
combined	data table	T post_mark	
contextname	function	T pre mark	
csletters	data table	T ra	
data	data table	T stress tone mark	
decomposed	data table	T twopart mark	
description	function	T vowel modifier	
descriptions	data table	initialize	function
detailtags	data table	is_character	data table
directions	table	is_command	data table
emoji	table	is_letter	data table
F compact		is_mark	data table
F known		is_punctuation	data table
F resolve		is_spacing	data table
emojized	function	is_symbol	data table
enccodes	data table	lcchars	data table
entities	data table	lccode	function
fallbacks	data table	lccodes	data table
filters	data table	lettered	function
fractions	table	lhash	data table
fromnumber	function	linebreaks	data table
fschars	data table	lower	function
fscodes	data table	mathlists	data table
getrange	function	mirrors	table
graphemes	data table	otfscripts	data table
hangul	data table	private	table
indicgroups	table	ranges	data table
T above_mark		registerentities	function
T after_half		remap_hangul_syllabe	function
T after_main		setactivecatcodes	function
T after_postscript		setlettercatcodes	function
T after_subscript		setothercatcodes	function
T anudatta		shape	function

shaped shash shchars shcodes showstring specialchars specials splits

T char
T compat
subscripts
superscripts
synonyms

tex

D accentmapping
D commandmapping

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

table table data table

table

table

F defineaccents
F safechar
F strtextoutf
F strtoutfpattern
F toutf

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

chemistry (context)

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

containers (context)

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

A	function	convert	function
A:es	function	decimals	function
A:ru	function	define	function
A:sl	function	gregorian_to_hebrew	function
AK	function	gregorian to jalali	function
Alphabetic	function	hebrewnumerals	function
Alphabetic:es	function	helpers	table
Alphabetic:ru	function	hexstringtonumber	function
Alphabetic:sl	function	i	function
Character	function	isleapyear	function
Characters	function	jalali to gregorian	function
I	function	lchexnumber	function
KA	function	lchexnumbers	function
KR	function	leapyear	function
R	function	lower	function
RK	function	max	function
Romannumerals	function	maxchrs	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
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alphabetic:ru	function	sloveniannumerals	function
alphabetic:sl	function	spaceddigits	function
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characters	function	textime	function
chineseallnumerals	function	toabjad	function
chinesecapnumerals	function	tochinese	function
chinesenumerals	function	tohebrew	function
chr	function	toroman	function
chrs	function	totime	function
cn	function	uchexnumber	function
cn-a	function	uchexnumbers	function
cn-c	function	upper	function

F translate

weekday word words

function
function
function

coroutine (basic lua)

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

ctxrunner (context)

load function prepfiles data table
preparedfile function resolve function

data (context)

action function depth number height number prerolled string
width number

debug (basic lua)

getinfo function
sethook function

traceback function

dir (context)

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

directives (context)

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

document (context)

arguments
files
functions
getargument
getfilename
options

data table table table function table

D modes
D modules
etargument

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

T commandline

D environments

D modes
D modules
T ctxfile

D environments

documentdata (context)

variable function

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convert	function table	F pushleaderlevel
converters	table	F rule
F engine		F simplerule
F lmtx	function	F specialrule
enable	function	F updatefontstate
gethpos	function	T whatsit
getpos	function	S name
getrpos	function	T json
getvpos	function	T actions
helpers	table	F cleanup
install	function	F convert
instances	table	F finalize
T default		F initialize
T actions		F outputfilename
F convert		F prepare
F outputfi	llename	F wrapup
T flushers		T flushers
F popleade	erlevel	F character
F pushlead	derlevel	F popleaderlevel
T whatsit		F pushleaderlevel
S name		F rule
T empty		F simplerule
T empty T actions		F simplerule F specialrule
. ,		'
T actions		F specialrule
T actions F convert		F specialrule F updatefontstate
T actions F convert F prepare	erlevel	F specialrule F updatefontstate T whatsit
T actions F convert F prepare T flushers		F specialrule F updatefontstate T whatsit S name
T actions F convert F prepare T flushers F popleade		F specialrule F updatefontstate T whatsit S name T lua
T actions F convert F prepare T flushers F popleade F pushlead		F specialrule F updatefontstate T whatsit S name T lua T actions
T actions F convert F prepare T flushers F popleade F pushlead		F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name		F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name T js		F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert F finalize
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name T js T actions		F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert F finalize F initialize
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name T js T actions F cleanup	derlevel	F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert F finalize F initialize F outputfilename
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name T js T actions F cleanup F convert	derlevel	F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert F finalize F initialize F outputfilename F prepare
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name T js T actions F cleanup F convert F finalize	derlevel e dize	F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert F finalize F initialize F outputfilename F prepare F wrapup
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name T js T actions F cleanup F convert F finalize F initiali	derlevel e dize	F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name T js T actions F cleanup F convert F finalize F initiali F outputfi	derlevel e dize	F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers F character
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name T js T actions F cleanup F convert F finalize F initiali F outputfi F prepare	derlevel e dize	F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers F character F popleaderlevel
T actions F convert F prepare T flushers F popleade F pushlead T whatsit S name T js T actions F cleanup F convert F finalize F initiali F outputfi F prepare F wrapup	derlevel e ize ilename	F specialrule F updatefontstate T whatsit S name T lua T actions F cleanup F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers F character F popleaderlevel F pushleaderlevel

F updatefontstate	T pdf	
T whatsit	T actions	
S name	F cleanup	
T mpo	F convert	
T actions	F finalize	
F finalize	F initialize	
F initialize	F outputfilen	ame
T flushers	F prepare	
F character	F wrapup	
F popleaderlevel	T flushers	
F pushleaderlevel	F character	
F rule	F fontchar	
F simplerule	F group	
F specialrule	F image	
T whatsit	F literal	
S name	F popleaderle	vel
T mps	F poporientat	ion
T actions	F pushleaderl	evel
F cleanup	F pushorienta	tion
F convert	F restore	
F finalize	F rule	
F initialize	F save	
F outputfilename	F setmatrix	
F prepare	F setstate	
F wrapup	F simplerule	
T flushers	F specialrule	
F character	F startclippi	ng
F popleaderlevel	F startmatrix	
F pushleaderlevel	F startmirror	-
F rule	F startrotati	
F simplerule	F startscalin	-
F specialrule	F stopclippin	g
F updatefontstate	F stopmatrix	
T whatsit	F stopmirrori	_
S name	F stoprotatio	
T none	F stopscaling	
T actions	F updatefonts	tate
T flushers	T whatsit	
F popleaderlevel	S name	
F pushleaderlevel	lmtxversion	number
T whatsit	outputfilename	function
S name	report	function

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

experiments (context)

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

register	function
report	function
reset	function
show	function
value	function

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

file (basic lua)

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

fio (extra lua)

getposition	function	readinteger2le	function
read2dot14	function	readinteger3	function
readbytes	function	readinteger3le	function
readbytetable	function	readinteger4	function
readcardinal1	function	readinteger4le	function
readcardinal1le	function	readintegertable	function
readcardinal2	function	readline	function
readcardinal2le	function	setposition	function
readcardinal3	function	skipposition	function
readcardinal3le	function	writecardinal1	function
readcardinal4	function	writecardinal1le	function
readcardinal4le	function	writecardinal2	function
readcardinaltable	function	writecardinal2le	function
readfixed2	function	writecardinal3	function
readfixed4	function	writecardinal3le	function
readinteger1	function	writecardinal4	function
readinteger1le	function	writecardinal4le	function
readinteger2	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
getfont	function	setfont	function
getfontdimen	function	setfontdimen	function

fonts (context)

•		
analyzers	table	D designsizes
D features		F enhanceparameters
D initializers		T enhancers
D methods		Tafm
F setstate		F apply
D states		F patch
B useunicodemarks		T patches
checkers	table	F register
F getmissing		F report
D mapping		F register
F missing		F report
F placeholder		T otf
cid	table	F addfeature
F getmap		F apply
F loadfile		F enhance
collections	table	F patch
F checkenabled		T patches
F clonevector		F register
F define		F report
T definitions		F register
F found		F report
F prepare		T tfm
F process		F apply
F process F register		F apply F patch
F register		F patch
F register F registermain		F patch T patches
F register F registermain F report F reset T vectors		F patch T patches F register
F register F registermain F report F reset	table	F patch T patches F register F report
F register F registermain F report F reset T vectors	table	F patch T patches F register F report F register
F register F registermain F report F reset T vectors Constructors	table	F patch T patches F register F report F register F report
F register F registermain F report F reset T vectors Constructors F addcharacters		F patch T patches F register F report F register F report N factor
F register F registermain F report F reset T vectors Constructors F addcharacters F addcoreunicodes		F patch T patches F register F report F register F report N factor T features
F register F registermain F report F reset T vectors Constructors F addcharacters F addcoreunicodes F aftercopyingchar	racters	F patch T patches F register F report F register F report N factor T features D afm
F register F registermain F report F reset T vectors Constructors F addcharacters F addcoreunicodes F aftercopyingchar F applyfinalizers	racters	F patch T patches F register F report F register F report N factor T features D afm D otf
F register F registermain F report F reset T vectors Constructors F addcharacters F addcoreunicodes F aftercopyingchar F applyfinalizers F applymanipulator	racters rs eters	F patch T patches F register F report F register F report N factor T features D afm D otf D tfm
F register F registermain F report F reset T vectors Constructors F addcharacters F addcoreunicodes F aftercopyingchar F applyfinalizers F applymanipulator F assignmathparame	racters rs eters	F patch T patches F register F report F register F report N factor T features D afm D otf D tfm F finalize
F register F registermain F report F reset T vectors Constructors F addcharacters F addcoreunicodes F aftercopyingchar F applyfinalizers F applymanipulator F assignmathparame F beforecopyingchar	racters rs eters	F patch T patches F register F report F register F report N factor T features D afm D otf D tfm F finalize F getfeatureaction
F register F registermain F report F reset T vectors Constructors F addcharacters F addcoreunicodes F aftercopyingchan F applyfinalizers F applymanipulator F assignmathparame F beforecopyingchan D cache	racters rs eters	F patch T patches F register F report F register F report N factor T features D afm D otf D tfm F finalize F getfeatureaction F getmathparameter
F register F registermain F report F reset T vectors Constructors F addcharacters F addcoreunicodes F aftercopyingchar F applyfinalizers F applymanipulator F assignmathparame F beforecopyingchar D cache F calculatescale	racters rs eters	F patch T patches F register F report F register F report N factor T features D afm D otf D tfm F finalize F getfeatureaction F getmathparameter F getprivate
F register F registermain F report F reset T vectors Constructors F addcharacters F addcoreunicodes F aftercopyingchar F applyfinalizers F applymanipulator F assignmathparame F beforecopyingchar D cache F calculatescale F checkedfeatures	racters rs eters uracters	F patch T patches F register F report F register F report N factor T features D afm D otf D tfm F finalize F getfeatureaction F getmathparameter F getprivate T handlers

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

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 reversechainedcontextsingle	F readbytetable
F single	F readcardinal
F gvar	F readcardinal1
F head	F readcardinal1le
T helpers	F readcardinal2

F readcardinal2le	F writeinteger4le
F readcardinal3	F writestring
F readcardinal3le	F stripredundant
F readcardinal4	F svg
F readcardinal4le	N tableversion
F readcardinaltable	F unifymissing
F readchar	F unpack
F readfixed2	F vhea
F readfixed4	F vmtx
F readinteger	F vorg
F readinteger1	F vvar
F readinteger1le	F woff2otf
F readinteger2	F registerpalette
F readinteger2le	F registerplugin
F readinteger3	F reorderlookups
F readinteger3le	F scriptandlanguage
F readinteger4	F setdynamics
F readinteger4le	F setfeatures
F readintegertable	T statistics
F readsignedbyte	D usedfeatures
F readstring	D svgcache
F readtag	B sygenabled
F setposition	T tables
F size	D baselines
F skip	D features
F skiplong	D featuretypes
F skipposition	D languages
F skipshort	D scripts
F writebyte	N version
F writecardinal1	T pfb
F writecardinal1le	F loadvector
F writecardinal2	T tfm
F writecardinal2le	D cache
F writecardinal3	D features
F writecardinal3le	N maxnestingdepth
F writecardinal4	N maxnestingsize
F writecardinal4le	T readers
F writeinteger1	F loadpk
F writeinteger1le	F loadtfm
F writeinteger2	F loadtfmvf
F writeinteger2le	F loadvf
F writeinteger3	F pktopdf
F writeinteger3le	F showpk
F writeinteger4	F reencode

F setfeatures		F checkedscript	
N version		S defaultlookup	
T vf		F define	
T combination	5	F getspecification	
F combine		F internal	
T combiner		F loadfont	
D commands		F makespecification	
D helpers		T methods	
D math		F install	
N version		D variants	
D whatever		F read	
F hashfeatures		F register	
F hashinstance		F registered	
T hashmethods		F registersplit	
F normal		F resetnullfont	
F virtual		F resolve	
F initializefeatu	ıres	T resolvers	
D loadedfonts		F file	
N noffontsloaded		F name	
N nofsharedfonts		F spec	
N nofsharedhashes		<pre>definetypeface function</pre>	
N nofsharedvector	`s	dropins table	
N privateoffset		F clone	
D privateslots		F getshape	
F readanddefine		F getshapes	
F registerfeature	•	F nextid	
F resetfeature		F provide	
B resolvevirtualt	00	F registerglyph	
F scale		F registerglyphs	
F scaled		F swap	
F setfactor		F swapone	
F setfeature		encodings table	
F setmathparamete	er	T agl	
F setname		D ctxcodes	
B sharefonts		D extras	
F trytosharefont		D names	
N version		D synonyms	
current	function	D unicodes	
currentid	function	D cache	
definers	table	F is_known	
F addlookup		D known	
		D KHOWH	
F analyze		F load	
F analyze F applypostproces	sors		

N version		F	prepare_features	
enhanceid	function	F	F register	
expansions	data table	F	F registerpostprocessor	
formats	data table	F	report	
getalternate	function	Т	suffixes	
getindices	function	hand	lers	table
getkern	function	hash	es	table
getmultiple	function	D	characters	
getsubstitution	function	D	classes	
getters	table	D	csnames	
T alternate		D	descriptions	
F opentype		D	dynamics	
T kern		D	emwidths	
F opentype		D	exheights	
F type1		D	extensibles	
F type3		D	features	
T multiple		D	identifiers	
F opentype		D	italics	
T substitution		D	lastmathids	
F opentype		D	marks	
goodies	table	D	mathparameters	
D colorschemes		D	modes	
T data		D	originals	
T dejavu-math		D	parameters	
S author		Т	processes	
S comment		D	properties	
S copyright		D	quads	
B initialized		D	resources	
T mathematics		Т	setdynamics	
T alternates		Т	shapes	
T dotless		D	spaces	
S comment		D	spacings	
S feature		Т	streams	
N value		D	unicodes	
T kerns		D	variants	
T *:0x1D449		D	xheights	
T bottomr	.ght	help	ers	table
S name		F	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 collectanchors				characters	
F combineglyphs				descriptions	
D commands				glyphs	
F composecharacter		LO		ers	table
F descriptiontoslo	pt			format	
F dimenfactor			F	onetimemessage	
F expandglyph			F	register	
T extraprivates			F	reportdefinedfor	its
F fontpatternhassi	ize			reportusedfeatur	
F getcoloredglyphs	5	maj	pp	ings	table
F getdigitwidth			F	addtounicode	
F getinstancespec			F	fromunicode16	
F getparameters			F	getentry	
F getprivatecharor	rnode		F	loadfile	
F getprivatenode			F	loadline	
F getprivates			F	makenameparser	
F getprivateslot			D	overloads	
F hasprivate			F	reset	
F indextoslot			F	tounicode	
F mathscriptslots			F	tounicode16	
F name			F	tounicode16seque	ence
F nametoslot		me	ta	post	table
F newprivateslot			F	boundingbox	
F prependcommands			F	boxtomp	
F prependcommandta	able		F	draw	
F privateslot			F	fill	
F registerglyphbox	(F	glyph	
F scalecommands			F	maxbounds	
F setboxglyph			F	paths	
F setboxglyphs			F	widthline	
F setdigitwidth			F	zeroline	
F setmetaglyph		nar	me	s	data table
F setmetaglyphs		nu	ιι	data	data table
F splitfontpatterr	n	pr:	iv	ateoffsets	table
F tochar			В	keepnames	
T vfinjectors			N	mathbase	
F pdf			N	mathextrabase	
F startcolor			N	textbase	
F stopcolor				textextrabase	
T vfspecials		pro	ot	rusions	data table
T backgrounds		rea	ad	ers	table
T outlines			F	afm	
infofont	function		F	check_lua	
iterators	table		F	check_tfm	

F lua		F registerfontfam	nily
F ofm		F textfallback	
F opentype		F typeface	
F otf		F typescript	
F pfb		F userdata	
D sequence		specifiers	table
F tfm		D contextmerged	
F ttc		F contextnumber	
F ttf		D contextnumbers	
F woff		D contextsetups	
reserveid	function	F contexttostring	I
select	table	F definecontext	
D alternative	S	F mergecontext	
F bodyfont		F presetcontext	
D data		F registercontext	:
F default		F showcontext	
D defaults		F splitcontext	
F definefallb	ackfamily	D synonyms	
F definefontf	amily	D variants	
F definefontf	amilypreset	symbols	table
D extras		T emoji	
F fallback		F checked	
D fallbacks		F resolved	
F features		F uselibrary	
F filefallbac	k	tables	table
F fontdata		tracers	table
F fontfallbac	k	treatments	table
F fontsynonym		F applyfixes	
F goodies		D data	
F mathfallbac	k	S filename	
D methods		F ignoredfile	
D presets		F report	
F registerfal	lback	F trace	
F registerfil	es	typefaces	table

F registerfontalternative

functions (context)

dummy function

graphics (context)

F new

backgrounds table F placeholder F fetchmultipar F tocontext identifiers table F pair F path F bitmap F jp2 F point table bitmaps F jpg F flush F png identify function

gzip (extra lua)

compress	function	load	function
compressed	function	save	function
decompress	function	suffix	function

images (context)

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

interactions (context)

F flushpreambles

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 table F setupidentity pages help table F setpagetransition F collect F setupcanvas F reference references table F register F setclosedocument javascripts table F setclosepage F addtopreamble F setopendocument F code F setopenpage renderings data table D codes

soundclips data table

arrays	table
cachedsetups	data table
cachesetup	function
cardinals	table
checked specification	function
complete	data table
constants	data table
corenamespaces	data table
currentinterface	string
currentresponse	string
definecommand	function
defined	function
doifelsemessage	function
elements	data table
floats	table
formats	data table
getmessage	function
getnamespace	function
getsetupstring	function
hashedsetups	data table
implement	function
integers	table
interfacedcommand	function
interfaces	table
knownscanner	function
message	function
nameofscanner	function

namesofscanners	table
namespaces	table
F define	
F list	
numbers	table
registernamespace	function
registerscanner	function
scanners	data table
setconstant	function
setcount	function
setdimen	function
setelement	function
setformat	function
setmacro	function
setmessage	function
setmessages	function
settranslation	function
setupstrings	data table
setvariable	function
showmessage	function
storedscanners	data table
tolist	function
translations	data table
usednamespaces	data table
variables	data table
writestatus	function

io (basic lua)

loadlines

newreader

noflines

open

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

function

function

function

overloaded function

output	overloaded	$ \hbox{function} $
pathseparator	string	
popen	overloaded	$ \hbox{function} $
read	function	
readall	function	
readnumber	function	
readstring	function	
savedata	function	
size	function	
stderr	userdata	
stdin	userdata	
stdout	userdata	
tmpfile	function	
type	function	
write	function	

comment	function	narw	rappers	table
datasets	table	-	collected	
D collected			tobesaved	
F extend		pass		table
F getdata		•	check	
F setdata			collected	
D tobesaved		F	count	
disablesave	function		define	
embedded	table		find	
D collected		F	first	
D tobesaved			get	
fileobjreferences	table		getcollected	
D collected			getdata	
D tobesaved			getfield	
files	table		gettobesaved	
D collected			inlist	
F context		F	last	
B forcerun		F	list	
F run		F	save	
D tobesaved			savetagged	
getrandomseed	function	D	tobesaved	
ge ti aliuoliiseeu	Tullection	U	Lubesaveu	
initialize	function		tions	table
		posi		table
initialize	function	posi	tions	table
initialize load	function function	posi F F	tions b_column	table
initialize load loadother	function function function	posi F F	tions b_column b_region	table
initialize load loadother objects	function function function	posi F F D	tions b_column b_region c	table
initialize load loadother objects D collected	function function function	posi F F D	tions b_column b_region c collected	table
initialize load loadother objects D collected F get	function function function	posi F F D F	tions b_column b_region c collected column	table
initialize load loadother objects D collected F get F number	function function function	posi F F D F	tions b_column b_region c collected column columnofpos	table
initialize load loadother objects D collected F get F number F page	function function function	posi F F D F F F	tions b_column b_region c collected column columnofpos copy	table
initialize load loadother objects D collected F get F number F page F save	function function function	posi F F D F F F F F F F F	tions b_column b_region c collected column columnofpos copy depth	table
initialize load loadother objects D collected F get F number F page F save F set	function function function	## Proposition	tions b_column b_region c collected column columnofpos copy depth e_column	table
initialize load loadother objects D collected F get F number F page F save F set D tobesaved	function function function table	## Posi	tions b_column b_region c collected column columnofpos copy depth e_column e_region	table
initialize load loadother objects D collected F get F number F page F save F set D tobesaved pack	function function function table	## Posi	tions b_column b_region c collected column columnofpos copy depth e_column e_region enhance	table
initialize load loadother objects D collected F get F number F page F save F set D tobesaved pack packversion	function function tunction table boolean number	posi	tions b_column b_region c collected column columnofpos copy depth e_column e_region enhance extra	table
initialize load loadother objects D collected F get F number F page F save F set D tobesaved pack packversion pagestates	function function tunction table boolean number	posi	tions b_column b_region c collected column columnofpos copy depth e_column e_region enhance extra get	table
initialize load loadother objects D collected F get F number F page F save F set D tobesaved pack packversion pagestates D collected	function function tunction table boolean number	posi	tions b_column b_region c collected column columnofpos copy depth e_column e_region enhance extra get getfree	table
initialize load loadother objects D collected F get F number F page F save F set D tobesaved pack packversion pagestates D collected F countervalue	function function tunction table boolean number	posi	tions b_column b_region c collected column columnofpos copy depth e_column e_region enhance extra get getfree gethpos	table
initialize load loadother objects D collected F get F number F page F save F set D tobesaved pack packversion pagestates D collected F countervalue F extend	function function tunction table boolean number	posi	tions b_column b_region c collected column columnofpos copy depth e_column e_region enhance extra get getfree gethpos getpos	table
initialize load loadother objects D collected F get F number F page F save F set D tobesaved pack packversion pagestates D collected F countervalue F extend F realpage	function function tunction table boolean number	posi	tions b_column b_region c collected column columnofpos copy depth e_column e_region enhance extra get getfree gethpos getpos getreserved	table

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

F setspec

F settobesaved

version

number

language (basic tex)

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

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

F disable	F found
F enable	F load
T enablers	T methods
B enables	N threshold

layouts (context)

getcanvas function
getpagedimensions function

setupcanvas function

status table

F isleftpage

F leftorrightpageaction

lfs (extra lua)

attributes	overloaded	function	iswriteablefile	function
chdir	overloaded	function	link	overloaded function
currentdir	function		mkdir	overloaded function
dir	overloaded	function	mkdirs	function
isdir	overloaded	function	modification	function
isfile	overloaded	function	readlink	function
isfound	function		rmdir	overloaded function
isreadabledir	function		setexecutable	function
isreadablefile	function		symlink	function
iswriteabledir	function		touch	overloaded function

libraries (context)

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

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 Ftd Fth

include function
inherited table

S color-background-four

S color-background-one

S color-background-three

S color-background-two

S title

initialize function
inject function
lmxfile function

loadedfile	function
make	function
new	function
overloaderror	function
popupfile	function
print	function
pv	function
report	function
reset	function
result	function
set	function
show	function
showerror	function
stripcss	function
tv	function
type	function
urlescape	function
variable	function
variables	table

S color-background-blue

S color-background-body

S color-background-green

S color-background-main

S color-background-purple

S color-background-yellow

S title-default

logs (context)

application	function	setformatters	function
categories	function	setlogfile	function
direct	function	setmessenger	function
disable	function	setprocessor	function
enable	function	settarget	function
finalactions	function	settimedlog	function
flush	function	settranslations	function
loggingerrors	function	show	function
messenger	function	start_page_number	function
new	function	start_run	function
newline	function	starterrorlogging	function
poptarget	function	startfilelogging	function
private	table	status	function
F enablepagetiming		stop_page_number	function
F getpagetiming		stoperrorlogging	function
pushtarget	function	stopfilelogging	function
registerfinalactions	function	subdirect	function
report	function	subreport	function
reporter	function	texerrormessage	function
setformats	function	writer	function

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

N NoZoom		frombytes	function
N Print		fromeight	function
N Printable		frompdfdoc	function
N ReadOnly		fromsixteen	function
N ToggleNoView		getcatalog	function
N auto		getcompression	function
N hidden		getfontname	function
N printable		getfontobjectnumber	function
T widgets		getinfo	function
N Comb		getmatrix	function
N CommitOnSelChange		getmetadata	function
N DoNotScroll		getnofpages	function
N DoNotSpellCheck		getpageproperties	function
N Edit		getpagereference	function
N FileSelect		getpagetags	function
N MultiLine		getpos	function
N NoExport		getversion	function
N NoToggleToOff		getxformname	function
N Password		graycode	function
N PopUp		hasmatrix	function
N PushButton		id	function
N Radio		immediateobject	function
N RadiosInUnison		includeimage	function
N ReadOnly		injectors	table
N Required		F bitmap	
N RichText		F jp2	
N Sort		F jpg	
N file		F png	
N fixed		injectxmpinfo	function
N nocheck		insertxmpinfo	function
N protected		layerreference	function
N readonly		limited linearshade	function
N required		linearsnade literal	function
N sorted			function
N unavailable flushfonts	function	majorversion	function function
		makenametree minorversion	
flushgroup flushobject	function function		function function
flushstreamfileobject	function	nofpages null	function
flushstreamobject	function	number	function
fonts	table	object	function
F color direct	cance	object	function
F color indirect		pagereference	function
formats	data table	patternstream	function
ivimats	uata table	pacter iis crediii	runction

pdfcolor	function	setpageorder	function
pdftimestamp	function	setpagetag	function
pdfvfimage	function	settime	function
permitdetail	function	setversion	function
print	function	shareobject	function
procset	function	shareobjectreference	function
protectresources	boolean	spotcode	function
rectangle	function	stream	function
reference	function	string	function
registerannotation	function	toeight	function
registerdestination	function	topdfdoc	function
registerdocumentfinalizer	function	tosixteen	function
registerfont	function	transparency	function
registerpagefinalizer	function	transparencycode	function
registerpattern	function	transparencygroups	table
reserveobject	function	B none	
rgbcode	function	transparencyvalue	function
rotationcm	function	unicode	function
setcompression	function	usedcharacters	table
setomitcharset	function	verbose	function
setomitcidset	function		

lpeg (basic lua)

В	function	firstofsplit	function
С	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		

bytecode	table	macros	table
bytedata	data table	B enabled	tabte
bytedone	table	F loaded	
•	function		
callbytecode		F required	
collectgarbage	function	F reset	
delay	function	F resolvestring	
finalize	function	F resolving	
firstbytecode	number	F showdefinitions	
flush	function	messages	data table
flushdelayed	function	newindex	function
<pre>get_functions_table</pre>	function	newtable	function
getbytecode	function	numbers	data table
getcurrenttime	function	registercode	function
getfunctionstable	overloaded function	registeredcodes	function
getpreciseseconds	function	registerfinalizer	function
getpreciseticks	function	registername	function
getruntime	function	setbytecode	function
getstacktop	function	setexitcode	function
getstartupfile	function	startupfile	string
getversion	function	version	string
lastbytecode	number		

luatex (context)

F enable

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

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

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

math (basic lua)

abs	function
acos	function
asin	function
atan	function
atan2	function
ceil	function
ceiling	function
cos	function
cosd	function
cosh	function
deg	function
div	function
even	function
exp	function
floor	function
fmod	function
huge	number
initialseed	number
ldexp	function
log	function
log10	function
max	function
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

ult

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

md5 (extra lua)

HEX	function	sum	function
dec	function	sumHEXA	function
hex	function	sumhexa	function

N mode

N newinternal

checkformat function N nullary cm function N numeric codes table N of N addto N ofbinary N ampersand N outertag N and N parametertype N plus or minus N assignment N atleast N primarybinary N begingroup N primarydef N protection N btex N randomseed N capsule N colon N relax N comma N repeat_loop N controls N rightbrace N rightbracket N curl N rightdelimiter N cycle N declare N runscript N def N save N definedmacro N scantokens N delimiters N scope N endgroup N secondarybinary N equals N secondarydef N etex N semicolon N everyjob N setbounds N exitif N shipout N expandafter N show N fi or else N skip Nif N slash N input N step N interim N stop N internal N str N iteration N string N join N tag N leftbrace N tension N leftbracket N tertiarybinary N leftdelimiter N tertiarydef N let N thingstoadd N macrospecial N to N maketext N unary N undefinedcs N message

N until

N void

N with		includesvgbuffer	function
N within		includesvgfile	function
N write		installplugin	function
colorinitializer	function	isobject	function
comment	function	knownparameters	table
convert	function	lastlog	string
currentmpx	function	load	function
currentmpxstatus	function	maketext	function
defaultformat	string	metafonts	table
defaultinstance	string	metafun	table
defaultmethod	string	F interpolate	
directrun	function	F topath	
escaped	function	mptopdf	table
exectime	table	F convertmpstopdf	
extensiondata	data table	N nofconverted	
filterclippath	function	n	number
flush	function	nofruns	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	processing	function
F define		processplugins	function
format_number	function	properties	table
format_string	function	pushformat	function
formatnumber	function	pushscriptrunner	function
getclippath	function	pushvariable	function
getextensions	function	pushvariables	function
getextradata	function	reducetogray	boolean
gethashentries	function	registerscript	function
getinstancenames	function	remappedtext	function
getjobdata	function	remaptext	function
getparameter	function	reporterror	function
getparameterset	function	reportsvgfonts	function
getstatistics	function	reset	function
gettext	function	resetlastlog	function
graphic	function	resetplugins	function
graphic_base_pass	function	run	function

runscript	function	F reset	
scanparameters	function	F set	
scripterror	function	F setfrombuffer	
scriptindex	function	texerrors	boolean
setextensions	function		function
setoutercolor	function	texexp theclippath	function
	function	tographic	function
setparameterset settext	function	totable	function
settext	function		table
	boolean	types	table
showlog		N boolean	
showsvgpage	function	N cmykcolor	
simple	function	N color	
splitprescript	function	N dependent	
startgraphic	function	N independent	
startsvghashing 	function	N known	
stopgraphic	function	N numeric	
stopsvghashing	function	N pair	
svformat	function	N path	
svgcolorremapper	function	N pen	
svgfactors	table	N picture	
N cm		N protodependent	
N em		N string	
N ex		N structured	
N in		N suffixedmacro	
N mm		N tokenlist	
N pc		N transform	
N pt		N unknownboolean	
N px		N unknownpath	
svgglyphtomp	function	N unknownpen	
svgshapestomp	function	N unknownpicture	
svgshapestopdf	function	N unknownstring	
svgsplitcolor	function	N unsuffixedmacro	
svgtomp	function	N vacuous	
svgtopdf	function	typesvgpage	function
sxsy	function	unload	function
tex	table	untagvariable	function
F get		variables	table
-			

mime (extra lua)

function b64 function decode decodet table F base64 F quoted-printable

dot function function encode encodet table

F base64

qр

F quoted-printable eol function normalize function function

function qpwrp report function stuff function unb64 function unqp function function wrap table wrapt

> F base64 F default

F quoted-printable

F text

function wrp

autoinject	function	direct4	function
aux	table	disposehash	function
F boolean		draw	function
F color		fill	function
F direct		flatten	function
F direct1		flush	function
F direct2		format	function
F direct3		formatted	function
F direct4		fprint	function
F draw		fromhash	function
F fill		get	table
F flush		F hashentry	
F fprint		graphformat	function
F integer		inhash	function
F number		inject	function
F numeric		F boolean	
F pair		F cmykcolor	
F pairpoints		F color	
F path		F integer	
F pathpoints		F number	
F points		F numeric	
F print		F pair	
F quadruple		F path	
F quadruplepoints		F quadruplet	
F quoted		F string	
F size		F transform	
F string		F triplet	
F transform		F whatever	
F triplet		integer	function
F tripletpoints		isarray	function
F vprint		isobject	function
boolean	function	lmt_color_functions	table
cleaned	function	F shade	
color	function	F step	
dataset	function	lmt_contours_bitmap_get	function
datasets	function	<pre>lmt_contours_bitmap_set</pre>	function
F load		lmt_contours_cleanup	function
dimension	function	lmt_contours_color	function
direct	function	<pre>lmt_contours_edge_get_band</pre>	function
direct1	function	lmt_contours_edge_get_cell	function
direct2	function	lmt_contours_edge_paths	function
direct3	function	lmt_contours_edge_set	function

<pre>lmt_contours_edge_set_by_band</pre>	function	mf_map_text	function
<pre>lmt_contours_edge_set_by_cell</pre>	function	mf named color	function
lmt_contours_format	function	mf_outline_text	function
lmt_contours_function	function	mf save data	function
lmt contours maxmean	function	mf_script_index	function
lmt_contours_maxz	function	mf_start_saving_data	function
lmt_contours_minmean	function	mf_stop_saving_data	function
lmt_contours_minz	function	mf_tb_dimensions	function
lmt_contours_nofvalues	function	mf tt dimensions	function
lmt_contours_nx	function	mf_tt_initialize	function
lmt_contours_ny	function	mode	function
lmt contours range	function	n	function
lmt_contours_shade_paths	function	newhash	function
lmt_contours_shade_set	function	number	function
lmt_contours_shape_paths	function	numeric	function
lmt_contours_start	function	pair	function
lmt_contours_stop	function	pairpoints	function
lmt contours value	function	path	function
lmt_contours_xrange	function	pathpoints	function
lmt_contours_yrange	function	points	function
lmt function x	function	positionanchor	function
 lmt_mesh_set	function	positionbox	function
 lmt_mesh_update	function	positioncurve	function
 lmt_poisson_generate	function	positionpage	function
lmt surface do	function	positionpath	function
lmt_svg_include	function	positionpxy	function
mf_blob_add	function	positionregion	function
mf_blob_dimensions	function	positionwhd	function
mf_blob_index	function	positionxy	function
mf_blob_new	function	prefix	function
mf_blob_raw_content	function	print	function
mf_blob_raw_dimensions	function	processingmode	function
mf_blob_raw_reset	function	quadruple	function
mf_blob_raw_toutf	function	quadruplepoints	function
mf_blob_raw_wipe	function	quoted	function
mf_blob_size	function	report	function
mf_blob_width	function	scan	table
mf_external_figure	function	F boolean	
mf_finish_saving_data	function	F cmykcolor	
mf_formatted_text	function	F color	
mf_get_outline_text	function	F expression	
mf_graphic_text	function	F integer	
mf_inject_blob	function	F next	
mf_map_move	function	F number	

F numeric		F token	
F pair		solve	function
F path		string	function
F pen		systemmode	function
F property		texstr	function
F string		textextanchor	function
F symbol		texvar	function
F token		tohash	function
F transform		transform	function
set	table	triplet	function
size	function	tripletpoints	function
skip	table	vprint	function

mplib (extra tex)

inject_transform function

execute	function	inject_whatever	function
finder	function	new	overloaded function
finders	table	pen_info	function
F file		propertycodes	table
F mpstemplate		realtimelogging	boolean
finish	function	scan_boolean	function
getcallbackstate	function	scan_cmykcolor	function
getcodes	function	scan_color	function
getfields	function	scan_expression	function
gethashentries	function	scan_integer	function
gethashentry	function	scan_next	function
getstates	function	scan_number	function
getstatistics	function	scan_numeric	function
getstatus	function	scan_pair	function
gettype	function	scan_path	function
gettypes	function	scan_pen	function
inject_boolean	function	scan_property	function
<pre>inject_cmykcolor</pre>	function	scan_string	function
inject_color	function	scan_symbol	function
inject_integer	function	scan_token	function
inject_number	function	scan_transform	function
inject_numeric	function	showcontext	function
inject_pair	function	skip_token	function
inject_path	function	solve_path	function
inject_string	function	version	function

noads (context)

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

check_discretionaries check discretionary copy copy list count current attributes dimensions

direct F addmargins F addxoffset F addxymargins F addyoffset

F check discretionaries F check discretionary F copy F copy list

F copy only F count F current attributes F dimensions F effective glue

F end of math F exchange F fields F find attribute F find attribute range

F find node F first glyph F flatten discretionaries F flush list F flush node

F free F get attribute F get attributes F get properties table F get synctex fields F getattributelist

F getboth F getbox F getchar F getdata F getdepth function function function function

function function table

F getdirection F getdisc F getexpansion F getfam function F getfield F aetfont F getglue F getglyphdata

> F getindex F aetkern F getkerndimension F getlanguage

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F getleader F getlist F getnext

F getnormalizedline F getnucleus F getoffsets F getoptions F getorientation F getparstate F getpenalty F getpost F getpre F getprev F getproperty F getreplace F getscale F getscales F getscript

F getstate F getsub F getsubpre F getsubtype F getsup F getsuppre F gettotal F getwhd

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F getwidth F setboth F getxscale F setbox F setchar F getxyscales F getyscale F setdata F has attribute F setdepth F has dimensions F setdirection F has_field F setdisc F setexpansion F has glyph F has glyph option F setfam F setfield F hpack F hyphenating F setfont F id F setalue F ignore math skip F setglyphdata F insert after F setheight F insert before F setindex F is char F setkern F is direct F setlanguage F setleader F is glyph F setlink F is next char F is next glyph F setlist F is node F setnext F is_prev_char F setnucleus F is prev glyph F setoffsets F is_valid F setoptions F is zero glue F setorientation F kerning F setpenalty F last node F setpost F length F setpre F ligaturing F setprev F setproperty F make extensible F migrate F setreplace F mlist to hlist F setscales F naturalwidth F setscript F setshift F new F protect glyph F setsplit F protect_glyphs F setstate F protrusion skippable F setsub F rangedimensions F setsubpre F setsubtype F remove F reverse F setsup F set attribute F setsuppre F set attributes F settotal F setwhd F set synctex fields

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F setwidth

		han akkudhuka	£
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vpack write function
function

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сору	function	getchar	function
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F flush

F flush components

F getpost

F getpre

F getprev F kerning F last node F getprop F getreplace F leftmarginwidth F getruledata F length F getscale F ligaturing F getscales F link F getscript F linked F getshift F locate F getstate F migrate F getsub F mlist to hlist F nestedtracedslide F getsubpre F new F getsubtype F getsup T pool F getsuppre F accent F getsurround F baselineskip F getsynctexfields F boundary F gettotal F choice F cleanup F getvalue F delim F getwhd F delimiter F getwidth F getxscale F direction F getxyscales F directliteral F getyscale F disc F has attribute F emptyrule F has dimensions F fence F fontkern F has field F has glyph F fraction F has glyph option F glue F hpack F gluespec F hyphenating F glyph F hlist F insert after F insert before F indentskip F insert list after F italickern F is display math F kern F is node F latelua F is nut F leader F lefthangskip F is zero glue F ischar F leftmarginkern F isdone F leftskip F isglyph F lineskip F isnextchar F literal F isnextglyph F mathchar F mathtextchar F isprevchar

F isprevglyph

F negatedglue

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penaltycodes	data table	T data	
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B enabled		setfont	function
F hpack_filter		setleader	function
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F pre_linebreak_filter

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F handler		toinches	function
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showlist	function	tonode	function
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F new		F start	
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F replaceaction F restart		F codes F features	
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F message		unprotect_glyphs	function
F messages		unset_attribute	function
F nofsteps		unsetattribute	function
F register		unsetattributes	function
F reset		usedlist	function
F start		uses_font	function
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F vpack

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function

	function
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${\it formattedfloat}$	function
idiv	function
maxdimen	number
nopts	function
percent	function
points	function
pts	function
signed	function
sparseexponent	function
splitdimen	function
to16dot16	function

tobasepoints	function
tobitstring	function
tocentimeters	function
tociceros	function
tocontext	function
todidots	function
todimen	function
toevenhex	function
toinches	function
tomillimeters	function
tonumberf	function
tonumberg	function
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dimensions	function	reference	function
found	function	register	function
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F	fetch			F setconsole	
F	getversion			F setfindfile	
F	initialize			F setopenfile	
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ghos	stscript	table		F setseekfile	
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kpse	е	table		F open	
F	expand_braces		pos	tgress	table
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F	var_value			F getmessage	
load	ded	table		F initialize	
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F	execute			F execute	
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isleapyear	function	time	function
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localtime	function	today	function
name	string	type	string
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package (basic lua)

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

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F setarea

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F block		F	setlines	
F check		F	setpropertie	es.
F currentcolum	mn	F	setstart	
F define		F	setvsize	
F finishflush		inje	ctions	table
F flushareas		F	flushafter	
F flushcolumn		F	flushbefore	
F flushrest		F	save	
F goto		mixe	dcolumns	table
F noto		F	cleanup	
F prepareflush	h	F	finalize	
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F registerarea	a	F	getrest	
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F setsplit

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pdfe (extra tex)

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close	function	ge
closestream	function	ge
dictionarytotable	function	ge
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getbox	function	ge
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getfromarray	function	ok
getfromdictionary	function	op
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getinfo	function	pa
getinteger	function	re
getmemoryusage	function	re
getname	function	ty
getnofobjects	function	ur
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getnumber	function
getpage	function
getpages	function
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F registerunit

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D tables

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expand	function
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splitmask function
tocmyk function

addtexentry analyze anywhere authorcache authorcollapsers authorhashers Finvertedshort Fnormal Fnormalinverted Fnormalshort Fsequential Fsequentialshort Fshort	function function function data table data table table	Currentspecification table S author T categories T article S category T extra T fields S author S editor S journal S keywords S note S number
authormap	data table	S pages
authortoregister	function	S title
casters	table	S volume
F author		S year
F keyword		T optional
F pagenumber		T required
F range		T sets
checkeddataset	function	T author
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F authornum		S category
F authoryear		T extra
F authoryears		T fields
F category		S address
F default		S author
F entry		S edition
F index		S editor
F keywords		S keywords
F num		S note
F page		S number
F short		S publisher
F tag		S subtitle
F textnum		S title
F year		S volume
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F author		T required
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converttoxml	function	T author

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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	
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T optional	S arguments	
T required	T askip	
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T required	get	function
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T authors	getdetail	function
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S keywords	F add	
S number	F expanded	
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S S T S

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F collectentries		F xml	
F combiinlist		loadreplacementfile	function
F fetchentries		new	function
F filterall		okay	function
F flushcombi		oneorrange	function
F flushentry		parenttag	function
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T methods		prerollcmdstring	function
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F force		resolvedname	function
F global		save	function
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T sorters		setcategory	function
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loadbibdata	function	statistics	table
loaddefinitionfile	function	N nofbytes	
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F bbl		N nofdefinitions	
F bib		N nofshortcuts	
F buffer		tables	table
F endnote		D implicits	
F json		D origins	
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F showtables

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disable	function	process	function
enable	function	push	function
fromregime	function	toregime	function
list	function	translate	function

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

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

wildcardpattern

function

function

function

resetextrapaths 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

autofontfeature table

F disable

F enable F handler

colors decomposehangul function

data table

defaults table

N inter char half shrink factor

N inter_char_half_stretch_factor

N inter char hangul penalty

N inter char quarter shrink factor

N inter_char_quarter_stretch_factor

N inter_char_shrink_factor

N inter char stretch factor

N inter word stretch factor

getdata getinjector function function

getsplitter qetstatus

function

function

handlers data table hash table injectors data table

inserters table

F nobreakspace after

F nobreakspace before

F space after F space before

setstatus

F zerowidthspace after

F zerowidthspace before

installdataset function installmethod function numbertodataset data table numbertohandler data table function reset function set

splitters data table

function

set (context)

contains function
create function
tolist function

tonumber function
totable function

sha2 (extra lua)

HASH256	function	hash256	function
HASH384	function	hash384	function
HASH512	function	hash512	function
HEX256	function	hex256	function
HEX384	function	hex384	function
HEX512	function	hex512	function
digest256	function	sum256	function
digest384	function	sum384	function
digest512	function	sum512	function

sio (extra lua)

read2dot14	function	readfixed2	function
readbytes	function	readfixed4	function
readbytetable	function	readinteger1	function
readcardinal1	function	readinteger1le	function
readcardinal1le	function	readinteger2	function
readcardinal2	function	readinteger2le	function
readcardinal2le	function	readinteger3	function
readcardinal3	function	readinteger3le	function
readcardinal3le	function	readinteger4	function
readcardinal4	function	readinteger4le	function
readcardinal4le	function	readintegertable	function
readcardinaltable	function		

BLOCKSIZE number S content-range DATAGRAMSIZE number S content-transfer-encoding SETSIZE number S content-type **SOCKETINVALID** number S cookie bind function S date choose function S diagnostic-code connect function S dsn-gateway connect4 function S etaq connect6 function S expect dns table S expires F getaddrinfo S final-log-id F gethostname S final-recipient F getnameinfo S from F tohostname S host F toip S if-match aettime function S if-modified-since headers table S if-none-match T canonic S if-range S accept S if-unmodified-since S accept-charset S in-reply-to S accept-encoding S keywords S accept-language S last-attempt-date S last-modified S accept-ranges S action S location S age S max-forwards S allow S message-id S alternate-recipient S mime-version S arrival-date S original-envelope-id S authorization S original-recipient S hcc S pragma S cache-control S proxy-authenticate S cc S proxy-authorization S comments S range S connection S received S content-description S received-from-mta S content-disposition S references S content-encoding S referer S content-id S remote-mta S content-language S reply-to S content-length S reporting-mta S content-location S resent-bcc S content-md5 S resent-cc

Sı	resent-date	report	function
Sı	resent-from	select	function
Sı	resent-message-id	sink	function
S i	resent-reply-to	sinkt	table
S i	resent-sender	F close-when-do	one
Sı	resent-to	F default	
Sı	retry-after	F http-chunked	
Sı	return-path	F keep-open	
S	sender	skip	function
S	server	sleep	function
S	smtp-remote-recipient	source	function
S	status	sourcet	table
S	subject	F by-length	
S t	e	F default	
S t		F http-chunked	
S t	railer	F until-closed	
S t	ransfer-encoding	tcp	function
Sι	ıpgrade	tcp4	function
Sι	user-agent	tcp6	function
S١	vary	tp	table
S١	via	N TIMEOUT	
S v	varning	F connect	
S v	vill-retry-until	try	function
S v	ww-authenticate	udp	function
S >	(-mailer	udp4	function
F lo	wer	udp6	function
F no	rmalize	url	table
http	table	F absolute	
N TI	MEOUT	F build	
S US	ERAGENT	F build_path	
F ge	nericform	F escape	
F op	en	F parse	
F re	quest	F parse_path	
newtry	function	F unescape	

protect

function

sorters (context)

Врс

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

update

function

statistics (context)

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

status (basic tex)

getbufferstate	function	getmarksstate	function
getcallbackstate	function	getneststate	function
getconstants	function	getnodestate	function
geterrorlinestate	function	getparameterstate	function
geterrorstate	function	getpoolstate	function
getexpandstate	function	getreadstate	function
getextrastate	function	getsavestate	function
getfilestate	function	getsparsestate	function
getfontstate	function	getstringstate	function
gethalferrorlinestate	function	gettexstate	function
gethashstate	function	gettokenstate	function
getinputstate	function	getwarningstate	function
getlanguagestate	function	iocodes	table
getlookupstate	function	list	function
getluastate	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		

autodouble	function	optionalquoted	function
autosingle	function	pack	function
booleanstring	function	packsize	function
byte	function	quote	function
bytepairs	function	quoted	function
bytes	function	rep	function
bytetable	function	replacenewlines	function
char	function	reverse	function
characterpairs	function	split	function
characters	function	splitlines	function
checkedsplit	function	splitup	function
collapsespaces	function	strip	function
containsws	function	sub	function
count	function	tformat	function
dawson	function	toHEX	function
dump	function	toboolean	function
erf	function	tobytes	function
erfc	function	tocontext	function
erfcx	function	todec	function
erfi	function	todimen	function
escapedpattern	function	tohex	function
escapedquotes	function	tonodes	function
explode	function	topattern	function
f6	function	totable	function
find	function	tounicode16	function
format	function	toutf	function
formatter	function	toutf32	function
formatters	function	toutf8	function
fullstrip	function	tracedchar	function
gmatch	function	tracedchars	table
gsub	function	unpack	function
is_boolean	function	unquote	function
is_empty	function	unquoted	function
itself	function	upper	function
len	function	utfcharacter	function
limit	function	utfcharacters	function
linetable	function	utfcharactertable	function
longtostring	function	utflength	function
lower	function	utfpadd	function
match	function	utfpadding	function
nospaces	function	utfvalue	function
nspaces	table	utfvalues	function

utfvaluetable function valid

function

voigt voigt_hwhm

function function

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

D data		F savedlistnumber	
F define		F savedlistprefixednumber	
F getdata		F savedlisttitle	
F getlocation		D sectionblocks	
F getname		F sectionnumber	
F getnumber		F size	
F setlocation		F title	
F setup		D tobesaved	
D stored		F userdata	
itemgroups	table	F uservalue	
lists	table	marks table	e
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	e
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 reordered		F listindex	
T result		D numbers	

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

D runners	F enhance
F set	F extend
F setandgetattribute	F filter
F setcomponent	F filtercollected
F setinternalreference	F finalize
F setlinkmethod	F findinternal
F setnextinternal	F flush
F setnextorder	F get
F setreferencerealpage	F prepare
D specials	F process
F splitcomponent	F setmethod
F splitprefix	F sort
F splitreference	F store
F synchronizepage	D tobesaved
T testrunners	F unique
Finner	F userdata
F special	sections table
F special operation	F autodepth
F special operation 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	F 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	F popblock
registers table	F prefixedconverted
F analyze	F pushblock
D collected	F register
F compare	D registered
F define	F reportstructure

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

F setsynonym D specifications
F settablecell F start
F settabulatecell F stop
F settagdelimitedsymbol F strip
F settagsubsentencesymbol D taglist
F setupexport T usewithcare
F setuserproperties T images

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		

attribute	table	getdelcode	function
badness	function	getdelcodes	function
box	table	getdimen	function
boxresources	table	getdimensionvalue	function
F getbox		geterrorvalues	function
F getdimensions		getflagvalues	function
F save		getfontoffamily	function
F use		getfrozenparvalues	function
catcode	table	getglue	function
chardef	function	getglyphdata	function
conditionals	data table	getglyphoptionvalues	function
constants	data table	getglyphscript	function
count	table	getglyphstate	function
cprint	function	getgroupvalues	function
ctdcatcodes	number	gethelptext	function
ctxcatcodes	number	gethyphenationvalues	function
definefont	function	getintegervalue	function
delcode	table	getinteraction	function
dimen	table	getiovalues	function
dimensiondef	function	getlargestusedmark	function
directives	data table	getlccode	function
enableprimitives	function	getlinedir	function
error	function	getlist	function
experiments	data table	getlocallevel	function
extraprimitives	function	getmark	function
fatalerror	function	getmath	function
flagcodes	data table	getmathcode	function
fontidentifier	function	getmathcodes	function
fontname	function	getmathdir	function
forcehmode	function	getmodevalues	function
forcesynctexline	function	getmuglue	function
forcesynctextag	function	getmuskip	function
fprint	function	getnest	function
frozenparcodes	data table	getnormalizevalues	function
get	function	getoutputactive	function
getattribute	function	getpagestate	function
getbox	function	getpardir	function
getboxdir	function	getprimitiveorigins	function
getboxresourcebox	function	getsfcode	function
getboxresourcedimensions	function	getskip	function
getcatcode	function	getsynctexline	function
getcount	function	getsynctexmode	function

getsynctextag	function	nest	table
gettextdir	function	nilcatcodes	number
gettoks	function	normalizecodes	data table
getuccode	function	notcatcodes	number
glue	table	number	function
glyphoptioncodes	data table	poplocal	function
groupcodes	data table	primitives	function
hashtokens	function	print	function
hyphenationcodes	data table	prtcatcodes	number
ifs	data table	pushlocal	function
inicatcodes	number	quitlocal	function
integerdef	function	quittoks	function
isattribute	function	resetparagraph	function
isbox	function	rlncatcodes	number
iscount	overloaded functio	n romannumeral	function
isdefined	function	round	function
isdimen	overloaded function	n runlocal	function
isglue	function	runtoks	function
ismuglue	function	saveboxresource	function
ismuskip	overloaded function	n scale	function
isprintable	function	scantoks	function
isskip	overloaded function		function
istoken	function	setattribute	function
istoks	function	setbox	function
lastnodetype	function	setboxdir	function
lccode	table	setcatcode	function
linebreak	function	setcount	function
lists	table	setdelcode	function
luacatcodes	number	setdimen	function
magicconstants	table	setdimensionvalue	function
N maxdimen		setglue	function
N running		setglyphdata	function
N trueinch		setglyphscript	function
mathchardef	function	setglyphstate	function
mathcode	table	setintegervalue	function
modelevels	table	setinteraction	function
N horizontal		setlccode	function
N math		setlinedir	function
N unset		setlist	function
N vertical		setmath	function
modes	data table	setmathcode	function
mprint	function	setmathdir	function
muglue	table	setmuglue	function
muskip	table	setmuskip	function

setnest function setpardir function setsfcode function setskip function setsynctexline function setsynctexmode function setsynctextag function settextdir function settoks function setuccode function sfcode table shipout function showcontext function skip table function sp function **splitbox** sprint function systemmodes data table takebox texcatcodes toks tonumber toscaled tpacatcodes tpbcatcodes tprint trackers triggerbuildpage txtcatcodes tvpe uccode uprint useboxresource vrbcatcodes

write

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

texconfig (basic tex)

buffer_size	number	max_in_open	number
error_line	number	max_pool	number
expand_depth	number	max_print_line	number
firstline	string	max_strings	number
formatname	string	nest_size	number
function_size	number	node_size	number
half_error_line	number	param_size	number
hash_extra	number	<pre>properties_size</pre>	number
init	overloaded function	save_size	number
kpse_init	boolean	shell_escape	string
level_chr	number	stack_size	number
level max	number	token size	number

texio (basic tex)

closeinput function
terminal function

write function
write_nl function

accessors	table	get tolerant	function
F active		getcommandid	function
F cmd		getcommandvalues	function
F cmdchrcs		getfunctionvalues	function
F cmdname		getprimitives	function
F command		gobble	function
F csname		gobble dimen	function
F expandable		gobble_integer	function
F frozen		is_defined	function
Findex		is next char	function
F name		is_token	function
F protected		new	function
F range		peek_next	function
create	function	peek_next_char	function
expand	function	peek_next_expanded	function
expand_macro	function	pop_macro	function
future_expand	function	push_macro	function
get_active	function	put_back	function
get_cmdchrcs	function	put_next	function
get_cmdname	function	save_lua	function
get_command	function	scan_argument	function
get_csname	function	scan_box	function
get_cstoken	function	scan_cardinal	function
get_dimension	function	scan_char	function
get_expandable	function	scan_cmdchr	function
get_fields	function	scan_cmdchr_expanded	function
get_flags	function	scan_code	function
get_frozen	function	scan_csname	function
get_id	function	scan_delimited	function
get_immutable	function	scan_dimen	function
get_index	function	scan_dimen_argument	function
get_instance	function	scan_float	function
get_integer	function	scan_glue	function
get_macro	function	scan_integer	function
get_meaning	function	scan_integer_argument	function
get_noaligned	function	scan_key	function
get_parameters	function	scan_keyword	function
get_permanent	function	scan_keyword_cs	function
get_primitive	function	scan_letters	function
get_protected	function	scan_luacardinal	function
get_range	function	scan_luainteger	function
get_tok	function	scan_luanumber	function

scan_next	function	scan_word	function
scan_next_char	function	serialize	function
scan_next_expanded	function	set_char	function
scan_real	function	set_dimension	function
scan_scale	function	set_integer	function
scan_skip	function	set_lua	function
scan_string	function	set_macro	function
scan_token	function	skip_next	function
scan_token_code	function	skip_next_expanded	function
scan_tokenlist	function	type	function
scan_toks	function	undefine_macro	function
scan_value	function		

astable	function	U loadfo	undtypescriptfile
bits	table		txscanner
N active		U rlap	
N alignmen	t	U second	oftwoarguments
N begingro	up	U setfal	sevalue
N characte		U setsec	tionblock
N close		U setups	ystem
N comment		U startc	olumns
N endgroup		U startt	abulate
N endoflin	e	U startt	itle
N escape		U startx	title
N ignore		U stopco	lumns
N invalid		U stopta	bulate
N letter		U stopti	tle
N mathshif	t	U stopxt	itle
N open		U texset	up
N other		U xmlw	
N paramete	r	commands	data table
N space		compile	function
N subscrip	t	constant	function
N superscr	ipt	converter	s table
N whitespa	ce	S tobool	ean
cache	table	S todime	n
U NC		S toglue	
U NR		S tonumb	er
U bf		S tostri	ng
U buff_fin	ish	create	function
U c_font_c	ompact	defined	function
U color		flags	function
U colordef		getintege	
U colordef		getters	table
U colordef		F box	
U colordef		F count	
U dofinish		F cstoke	n
U dostartt		F dimen	
U finishjo		F glue	
U firstofo	•	F macro	
	woarguments	F meanin	g
U gobbleon	eargument	F skip	
U goto		F token	function
U iftrue		isdefined	
U input		istoken	function

new	function		integerargument
pickup	function	F	ischar
popmacro	function		key
presets	table		keyword
T 1 argumen	t	F	keywordcs
T 1 string		F	letters
T 2 argumen	ts	F	list
T 2 strings		F	luacardinal
T 3 argumen			luainteger
T 3 strings			luanumber
T 4 argumen	ts		lxmlid
T 4 strings			next
T 5 strings		F	nextexpanded
T 6 strings		F	number
T 7 strings		F	optional
T 8 strings			peek
pushmacro	function	F	peekchar
scanners	table		peekexpanded
F argument		F	real
F argumenta	sis		scanclose
F array			scanopen
F boolean			skip
F box			skipexpanded
F bracketed			string
F bracketed	asis		table
F cardinal			token
F char			tokencode
F cmdchr			tokenlist
F cmdchrexp	anded		tokens
F code			toks
F condition	al		value
F count			vbox
F csname			verbatim
F delimited			vtop
F dimen			whd
F dimenargu			word
F dimension			nteger function
F float		sett	
F glue			box
F gluespec			char
F gluevalue	S		count
F hash			dimen
F hbox			glue
F integer		F	lua

F macro F scanglue F skip F scangluespec shortcuts table F scangluevalues T hits F scanhash N active F scanhbox F scaninteger N alignment N begingroup F scanintegerargument N character F scankeyword N close F scankeywordcs N comment F scanletters F scanlist N endgroup N endofline T scanners N escape F argument N ignore F argumentasis N invalid F array N letter F boolean N mathshift F box N open F bracketed N other F bracketedasis F cardinal N parameter N space F char N subscript F cmdchr N superscript F cmdchrexpanded N whitespace F code N close F conditional F inspect F count F csname N open F delimited F report F dimen F scanargument F scanarqumentasis F dimenargument F scanarray F dimension E scanboolean F float F scanbox F glue F scanbracketed F gluespec F scanbracketedasis F gluevalues F scancardinal F hash F scanclose F hbox F scancode F integer F scanconditional F integerargument F scancsname F ischar F scandelimited F key F scandimen F keyword F scandimenargument F keywordcs F scandimension F letters

F list	F astable
F luacardinal	T cache
F luainteger	U NC
F luanumber	U NR
F lxmlid	U bf
F next	U buff_finish
F nextexpanded	U c_font_compact
F number	U color
F optional	U colordefalc
F peek	U colordefflc
F peekchar	U colordefflt
F peekexpanded	U colordefrlt
F real	U dofinishreference
F scanclose	U dostarttext
F scanopen	U finishjob
F skip	U firstofoneargument
F skipexpanded	U firstoftwoarguments
F string	U gobbleoneargument
F table	U goto
F token	U iftrue
F tokencode	U input
F tokenlist	U loadfoundtypescriptfile
F tokens	U resetctxscanner
F toks	U rlap
F value	U secondoftwoarguments
F vbox	U setfalsevalue
F verbatim	U setsectionblock
F vtop	U setupsystem
F whd	U startcolumns
F word	U starttabulate
scannumber	U starttitle
scanopen	U startxtitle
scanoptional	U stopcolumns
scanstring	U stoptabulate
scantable	U stoptitle
scantokenlist	U stopxtitle
scantoks	U texsetup
scanvbox	U xmlw
scanverbatim	D commands
scanvtop	F compile
scanword	F constant
toboolean	T converters
todimen	S toboolean
tokens	S todimen

F

Т

S toglue F scanbox S tonumber F scanbracketed S tostring F scanbracketedasis F create F scancardinal F defined F scanclose F flags F scancode F getinteger F scanconditional T getters F scancsname F scandelimited F box F count F scandimen F scandimenargument F cstoken F dimen F scandimension F glue F scanglue F macro F scangluespec F meaning F scangluevalues F skip F scanhash F token F scanhbox F isdefined F scaninteger F istoken F scanintegerargument F new F scankeyword F pickup F scankeywordcs F popmacro F scanletters T presets F scanlist F pushmacro F scannumber F setinteger F scanopen T setters F scanoptional F box F scanstring F char F scantable F count F scantokenlist F dimen F scantoks F glue F scanvbox F lua F scanverbatim F macro F scanvtop F skip F scanword T shortcuts F toboolean N close F todimen F tonumber F inspect F tostring N open D values F report F scanargument F tonumber F scanargumentasis F tostring F scanarray values data table

F scanboolean

tracers (context)

printerror function
printwarning function

showlines function

trackers (context)

data	data table	name	string
default	function	register	$ \hbox{function} $
disable	function	report	function
done	table	reset	function
dumphashtofile	function	savehash	$ \hbox{function} $
enable	function	show	$ \hbox{function} $
list	function	value	function

alianments	+ahla	F :	
alignments	table	F installhandler	
F handler		F processmath	
F set	+ah1 a	F set	
breakpoints	table	F setcolor	
F define		F setmath	
F handler		F tomode	
D mapping		firstlines	table
T methods		T actions	
T numbers		F default	
F set		F line	
F setreplacement		F word	
cases	table	F handler	
T actions		F set	
F handler		fontkerns	table
F register		F handler	
F set		initials	table
characteralign	table	T actions	
F handler		F default	
F resetcharacter	align	F addanchortoline	е
F setcharacteral	ign	F addtoline	
characters	table	F calculatedelta	
F handler		F checkline	
T methods		F handler	
F replacenbsp		F moveinline	
F replacenbspace	s	F set	
checkers	table	injectors	table
F handler		F check	
F reset		T list	
F set		F mark	
cleaners	table	F reset	
F handler		F set	
F set		F show	
digits	table	italics	table
T actions		F enablemath	
F handler		F enabletext	
F set		F forcevariant	
directions	table	F handler	
F getfences		F reset	
F getglobal		F set	
F getmethod		kerns	table
F handler		D factors	
T handlers		F handler	

F keepligature F reset D mapping F split F set F startapply manipulators table F stopapply F apply F stripped F applyspecification F tostring rubies table T methods F Word F attach F check F Words F abbreviatedjournal showsuspects function table spacings F expandedjournal F define F lowercase F stripperiod F handler F uppercase D mapping T patterns T numbers U list T frenchpunctuation U pair T characters F splitspecification S name margins table N number F finalhandler F reset F globalhandler F set F localhandler F setup F save wrappers table marksuspects function F handler table paragraphs table xtables F addanchortoline F cleanup F addtoline F construct F calculatedelta F create F checkline F finish row F handler F flush F moveinline F initialize construct F set F initialize reflow height periodkerns table F initialize reflow width D factors F next row F handler F reflow height D mapping F reflow width F set F set construct processors table F set reflow height F apply F set reflow width F register

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 (basic lua)

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

debugger	table	C cotposition	
F disable	table	F setposition F size	
F enable F savestats		F skip	
		F skiplong	
F showstats		F skipposition	
F showtraceback files	table	F skipshort	
	table	F writebyte	
F close		F writecardinal1 F writecardinal1le	
F getposition			
F getsize		F writecardinal2 F writecardinal2le	
F look		F writecardinat2te	
F open		F writecardinat3	
F read2dot14		F writecardinal4	
F readbyte		F writecardinat4	
F readbytes F readbytetable			
F readcardinal		F writeintegerl F writeintegerlle	
F readcardinal		J .	
F readcardinalle		F writeinteger2	
F readcardinatite		F writeinteger2le	
F readcardinal2le		F writeinteger3	
F readcardinative		F writeinteger3le	
F readcardinats		F writeinteger4	
F readcardinal4		F writeinteger4le F writestring	
F readcardinal4le		formatters	table
F readcardinaltable	2	F formatcolumns	tabte
F readchar	5	F list	
F readfixed2		F stripzeros	
F readfixed4		garbagecollector	table
F readinteger		F check	tabte
F readinteger1		N criterium	
F readinteger1		B enabled	
F readinteger2		ghostscript	table
F readinteger2le		F convert	tubte
F readinteger3		F statistics	
F readinteger3le		graphicmagick	table
F readinteger4		F convert	
F readinteger4le		F statistics	
F readintegertable		graphicsmagick	table
F readsignedbyte		F convert	200 00
F readstring		F statistics	
F readtag		lua	table
cautug			

B alwaysstripcode	B paper
F checkmemory	B rightpage
F compile	B text
F loadedluacode	F iterator
F loadstring	F keq_to_hash
F loadstripped	F listitem
N nofstrippedbytes	F make_settings_to_hash_pattern
N nofstrippedchunks	F mergehashes
F registerfinalizer	F options_to_array
B stripcode	F options_to_hash
T strippedchunks	T patterns
F strippedloadstring	U settings_to_array
T suffixes	U settings_to_hash_a
S lua	U settings_to_hash_b
S luc	U settings_to_hash_c
S lui	U settings_to_hash_d
S luj	U unittotex
S luv	F process_stripped_settings
S tma	F rfc4180splitter
S tmc	F runtime
S tua	F settings_to_array
S tuc	F settings_to_array_obey_fences
packers table	F settings_to_array_with_repeat
F hashed	F settings_to_hash
F new	F settings_to_hash_colon_too
F pack	F settings_to_hash_strict
F simplehashed	F settings_to_hash_tolerant
F strip	F settings_to_numbers
F unpack	F settings_to_set
N version	F simple_hash_to_string
parsers table	F splitmethod
F add_settings_to_array	F splitthousands
F arguments_to_table	F stepper
F array_to_string	F stripped_settings_to_array
F csvsplitter	F totime F unittotex
F getparameters	
F groupedsplitat	F unittoxml randomizer table
<pre>F hash_to_string T hashes</pre>	F get
T settings to set	F getnumber
T text,hidden,paper,page,leftpage,rightpage	F getseed
i cext, intuden, paper, page, certpage, i tylitpage	1 40.130.04
B hidden	-
B hidden	F popseed
B hidden B leftpage B page	-

F setseed		F getsize	
F setseedi		F getstring	
randomizers	table	F look	
F poisson		F open	
sequencers	table	F openstring	
F appendaction		F read2dot14	
F appendgroup		F read2dot4	
F compile		F readbyte	
F disableaction		F readbytes	
F disablegroup		F readbytetable	
F enableaction		F readcardinal	
F enablegroup		F readcardinal1	
D functions		F readcardinal2	
F localize		F readcardinal2le	
F new		F readcardinal3	
F nodeprocessor		F readcardinal3le	
F prependaction		F readcardinal4	
F prependgroup		F readcardinal4le	
F removeaction		F readcardinaltable	
F replaceaction		F readchar	
F setkind		F readfixed2	
F tostring		F readfixed4	
setters	table	F readinteger	
F disable		F readinteger1	
F enable		F readinteger2	
F initialize		F readinteger2le	
F list		F readinteger3	
F new		F readinteger3le	
F register		F readinteger4	
F report		F readinteger4le	
F reset		F readintegertable	
F show		F readsignedbyte	
stacker	table	F readstring	
F new		F setposition	
storage	table	F size	
F allocate		F skip	
F checked		F skipbytes	
F mark		F skiplong	
F marked		F skipshort	
F setinitializer		strings tabl	e
F sparse		F collapse	
streams	table	F collapsecrlf	
F close		T formatters	
F getposition		F add	

F new F encapsulate F newcollector F insertaftervalue F newrepeater F insertbeforevalue F nice F migratetable T striplinepatterns F removevalue U collapse F replacevalue table templates U prune U prune and collapse F load U prune and no empty F replace U prune and to space F replacer U retain F resolve zipfiles table U retain and collapse U retain and no empty F close F striplines F found F gunzipfile F striplong F tabtospace F hash T tracers F list tables table F open F accesstable F unzip

F unzipdir

F zipdir

F definedtable

F definetable

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		

I	function	F tan
add	function	F tanh
div	function	F topair
eq	function	F tostring
oq inde		F mul
F I	ed to	S name
	_add	Fpow
	_div	F sub
· _ F	_	Ftostring
_	index	F unm
' _ F	_	F abs
	add	F acos
	div	F acosh
	eq	F arg
	mul	F asin
	name	F asinh
	pow	F atan
	sub	F atanh
	tostring	F conj
	unm	F cos
	abs	F cosh
	acos	F exp
	acosh	Fi
	arg	F imag
	asin	F log
	asinh	F new
	atan	F pow
	atanh	F proj
	conj	F real
	cos	F sin
F	cosh	F sinh
F	exp	F sqrt
F	i	F tan
F	imag	F tanh
F	log	F topair
F	new	F tostring
F	pow	mul function
F	proj	name string
F	real	pow function
F	sin	sub function
F	sinh	tostring function
F	sqrt	unm function

_			
abs	function	imag	function
acos	function	log	function
acosh	function	new	function
arg	function	pow	function
asin	function	proj	function
asinh	function	real	function
atan	function	sin	function
atanh	function	sinh	function
conj	function	sqrt	function
cos	function	tan	function
cosh	function	tanh	function
exp	function	topair	function
i	function	tostring	function

xdecimal (extra lua)

add	function	Fln
band	function	F log
bor	function	F max
bxor	function	F min
div	function	F minus
eq	function	F new
idiv	function	F plus
index	table	F pow
Fadd		F rotate
Fband		F setprecision
Fbor		F shift
Fbxor		F sqrt
Fdiv		F tonumber
Feq		F tostring
Fidiv		F trim
Tindex		Fle
Fadd		Flt
Fband		Fmod
Fbor		Fmul
Fbxor		Sname
Fdiv		Fpow
Feq		Fshl
Fidiv		Fshr
Fle		Fsub
Flt		Ftostring
Fmod		Funm
Fmul		F abs
Sname		F band
Fpow		F bor
Fshl		F bxor
Fshr		F conj
Fsub		F copy
Ftostri	ng	F exp
Funm		F getprecision
F abs		F ln
F band		F log
F bor		F max
F bxor		F min
F conj		F minus
F copy		F new
F exp		F plus
F getpreci	sion	F pow

F rotate		bxor	function
F setprecisi	on	conj	function
F shift		сору	function
F sqrt		exp	function
F tonumber		getprecision	function
F tostring		ln	function
F trim		log	function
le	function	max	function
lt	function	min	function
mod	function	minus	function
mul	function	new	function
name	string	plus	function
pow	function	pow	function
shl	function	rotate	function
shr	function	setprecision	function
sub	function	shift	function
tostring	function	sqrt	function
unm	function	tonumber	function
abs	function	tostring	function
band	function	trim	function

function

bor

xmath (extra lua)

acos	function	isnormal	function
acosh	function	j0	function
asin	function	j1	function
asinh	function	jn	function
atan	function	ldexp	function
atan2	function	lgamma	function
atanh	function	log	function
cbrt	function	log10	function
ceil	function	log1p	function
copysign	function	log2	function
cos	function	logb	function
cosh	function	modf	function
deg	function	nan	number
erf	function	nearbyint	function
erfc	function	nextafter	function
exp	function	pi	number
exp2	function	pow	function
expm1	function	rad	function
fabs	function	remainder	function
fdim	function	remquo	function
floor	function	round	function
fma	function	scalbn	function
fmax	function	sin	function
fmin	function	sinh	function
fmod	function	sqrt	function
frexp	function	tan	function
gamma	function	tanh	function
hypot	function	tgamma	function
inf	number	trunc	function
isfinite	function	y0	function
isinf	function	y1	function
isnan	function	yn	function

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

F oneof		T xml	
F print		F all	
F quit		Fatt	
F tag		F attribute	
F text		F attributes	
F undefined		F cdata	
F upper		F chainattribute	
fillin	function	F count	
filter	function	F default	
finalizers	table	F elements	
F paragraphs	cubic	F empty	
T tex		F first	
Fall		F function	
F attribute		F index	
F chainattribute		F last	
		r last F lowerall	
F chainpath F command		F match	
F concat		F name	
F concatrange		F position	
F context		F reverse	
F context F count			
F ctxtext		F table	
		F tag	
F default		F tags F text	
F depth F first			
F function		F texts	
F index		F upperall first	function
F index F last		found	function
F lettered		functions	table
F lower		F classes	tabte
F lowerall		F hasclass	
F match		getbuffer	function
F name		gethandlers	function
F param		gethandlersfunction	function
F parameter		helpers	table
F position		F recursetext	tabte
F reverse		include	function
F stripped		inclusion	function
F tag		inclusions	function
F tags		index	function
F text		inheritattributes	function
F upper		inheritedconvert	function
F upperall		inject	function
F xml		inject_element	function
r xIIIt		inject_ctement	Tunction

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

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

xzip (extra lua)

adler32	function
compress	function
crc32	function

decompress function
expandsize function

zip (extra lua)

archives table
closearchive function

openarchive function
registeredfiles table

zlib (extra lua)

adler32 function compress function crc32 function

decompress function
expandsize function