

MP attributes backends **bit32** blobs boolean
buffers builders caches **callback** callbacks
catcodes characters chemistry chgstrcp
commands containers context converters
coroutine ctxrunner **debug** dir directives
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experiments ffi figures **file** **fio** floats **font**
fonts functions global graphics **gzip** images
img interactions interfaces **io** job **lang**
languages layouts **lfs** libraries lltxplatform
lmx logs lpdf **lpeg** ltn12 **lua** luatex lxml **math**
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objects **os** **package** pagebuilders parametersets
pdf **pdfe** pdfscanner physics publications
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socket sorters statistics **status** storage
streams **string** structures **table** **tex**
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texio texitdefined texmodes texsystemmodes
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ConTEXT MkIV

global (alias: _G)

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assert	function	fonts	table
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<code>lpeg</code>	table	<code>sandbox</code>	table
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<code>lua</code>	table	<code>select</code>	function
<code>luatex</code>	table	<code>set</code>	table
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<code>module</code>	function	<code>statistics</code>	table
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<code>node</code>	table	<code>tex</code>	table
<code>nodes</code>	table	<code>texconditionals</code>	data table
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<code>objects</code>	table	<code>texconstants</code>	data table
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<code>pagebuilders</code>	table	<code>texmodes</code>	data table
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<code>pcall</code>	function	<code>toboolean</code>	function
<code>pdf</code>	table	<code>todecimal</code>	function
<code>pdfc</code>	table	<code>token</code>	table
<code>pdfscanner</code>	table	<code>tokens</code>	table
<code>physics</code>	table	<code>tonumber</code>	function
<code>print</code>	function	<code>tostring</code>	function
<code>publications</code>	table	<code>tracers</code>	table
<code>rawequal</code>	function	<code>trackers</code>	table
<code>rawget</code>	function	<code>type</code>	function
<code>rawlen</code>	function	<code>typesetters</code>	table
<code>rawset</code>	function	<code>unpack</code>	function
<code>readarray</code>	function	<code>updaters</code>	table
<code>regimes</code>	table	<code>url</code>	table
<code>require</code>	function	<code>userdata</code>	table
<code>required</code>	function	<code>utf</code>	table
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utilities	table	xpcall	function
v	string	xzip	table
vf	table	zip	table
visualizers	table	zlib	table
xml	table		

attributes (context)

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

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

D registered

F resolve_begin

F resolve_end

F resolve_reset

F resolve_step

D scopes

F setfeatures

F start

F stop

B supported

D values

backends (context)

codeinjections table

- F boxresourcedimensions
- F registerboxresource
- F restoreboxresource

current string

defaults table

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

included table

- B context
- B date
- B id
- B metadata
- B pdf

install function

nodeinjections table

noflatelua function

nothing function

pdf table

- T codeinjections
- F addbookmarks
- F analyzenormalsymbol
- F analyzesymbol
- F attachmentid
- F clonefield
- F copyimage
- F definefield
- F definefieldset
- F defineviewerlayer
- F embedfile
- F embedimage
- F enabletags
- F exportformdata
- F fieldsurrounding

- F flushmergelayer
- F getbookmarks
- F getdefaultfieldvalue
- F getfieldcategory
- F getfieldset
- F getformatoption
- F getidentityvariable
- F getinfo
- F getpreviewfigure
- F insertrenderingwindow
- F maptag
- F mergebookmarks
- F mergecomments
- F mergefields
- F mergereferences
- F mergeviewerlayers
- F newimage
- F prerollreference
- F presetsymbol
- F presetsymbollist
- F processrendering
- F registerdocumentcloseaction
- F registerdocumentopenaction
- F registeredsymbol
- F registerpagecloseaction
- F registerpageopenaction
- F registersymbol
- F scanimage
- F setattachmentsupport
- F setfieldcalculationset
- F setfigurealternative
- F setfigurecolorspace
- F setfiguremask
- F setformat
- F setformsmethod
- F setpagetransition
- F settaggingsupport
- F setupcanvas
- F setupidentity
- F setxmpfile
- F startlayer

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

bit32 (basic lua)

arshift function
band function
bnot function
bor function
btest function
bxor function

extract function
lrotate function
lshift function
replace function
rrotate function
rshift function

blobs (context)

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

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

boolean (context)

tocontext function

tonumber function

buffers (context)

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

builders (context)

checksidefloat function

kernel table

- F hyphenating
- F hyphenation
- F kerning
- F ligaturing
- F mlist_to_hlist

paragraphs table

T constructors

N attribute

F define

F disable

F enable

F handler

T methods

F basic

F default

F hpack

F oneline

D names

D numbers

F set

F start

F stop

T expansion

F trace

F kepttogether

F registertogether

T solutions

T splitters

F define

F optimize

T registered

F reset

F set

F split

F start

F stop

F tag

profiling table

F add

F distance

F fixedprofile

F get

F list

F pagehandler

F profilebox

F set

vspacing table

F analyze

D categories

F collapsevbox

T data

D map

D skip

D snapmethods

F definesnapmethod

B fixed

F forcepageflush

F forcestrutdepth

F getnofpreviouslines

F pagehandler

F pageoverflow

F popatsame

F pushatsame

F setmap

F setskip

F snapbox

F synchronizepage

F tocategories

F tocategory

F vboxhandler

cache (context)

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

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

freeze function

functions table

F process_rule

F start_page_number

F stop_page_number

known function

list data table

pop function

push function

register function

report function

supported table

B append_to_vlist_filter

B build_page_insert

B buildpage_filter

B call_edit

B contribute_filter

B define_font

B find_cidmap_file

B find_data_file

B find_enc_file

B find_font_file

B find_format_file

B find_image_file

B find_map_file

B find_opentype_file

B find_output_file

B find_pk_file

B find_read_file

B find_truetype_file

B find_type1_file

B find_vf_file

B find_write_file

B finish_pdffile

B finish_pdfpage

B finish_synctex

B font_descriptor_objnum_provider

B glyph_info

B glyph_not_found

B glyph_stream_provider

B hpack_filter

B hpack_quality

B hyphenate

B insert_local_par

B kerning

B ligaturing

B linebreak_filter

B make_extensible

B mlist_to_hlist

B new_graf

B open_read_file

B page_order_index

B post_linebreak_filter

B pre_dump

B pre_linebreak_filter

B pre_output_filter

B process_input_buffer

B process_jobname

B process_output_buffer

B process_pdf_image_content

B process_rule

B provide_charproc_data

B read_cidmap_file

B read_data_file

B read_enc_file

B read_font_file

B read_map_file

B read_opentype_file

B read_pk_file

B read_truetype_file

B read_type1_file

B read_vf_file

B show_error_hook

B show_error_message

B show_lua_error_hook

B show_warning_message

B start_file

B start_page_number

B start_run

B stop_file

B stop_page_number

B stop_run

B vpack_filter
B vpack_quality
B wrapup_run

catcodes (context)

names data table
numbers data table

register function

characters (context)

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

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

chgstrcp (context)

syscptoutf8 function

utf8tosyscp function

containers (context)

cleanname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

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

D data

F translate

weekday

function

word

function

words

function

coroutine (basic lua)

create function
isyieldable function
resume function
running function

status function
wrap function
yield function

ctxrunner (context)

load function
preparedfile function

prefiles data table
resolve function

dir (context)

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

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

directives (context)

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

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

document (context)

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

documentdata (context)

variable function

drivers (context)

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

environment (context)

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

experiments (context)

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

register	function
report	function
reset	function
show	function
value	function

figures (context)

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

setorder
setpaths

function
function

suffixes
used

data table
data table

file (basic lua)

addsuffix	function	needsupdating	function
basename	function	pathpart	function
checksum	function	readdata	function
collapsepath	function	removesuffix	function
copy	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
read2dot14 function
readbytes function
readbytetable function
readcardinal1 function
readcardinal2 function
readcardinal3 function
readcardinal4 function
readcardinaltable function
readfixed2 function

readfixed4 function
readinteger1 function
readinteger2 function
readinteger3 function
readinteger4 function
readintegertable function
readline function
setposition function
skipposition function

floats (context)

analysemethod	function
checkedpagefloat	function
collect	function
consult	function
flush	function
getvariable	function
hasstacked	function

nofstacked	function
pop	function
push	function
resave	function
save	function
stacked	function

font (basic tex)

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

fonts (context)

analyzers table

- D features
- D initializers
- D methods
- F setstate
- D states
- B useunicodemarks

checkers table

- F getmissing
- F missing
- F placeholder

cid table

- F getmap
- F loadfile

collections table

- F checkenabled
- F clonevector
- F define
- T definitions
- F found
- F prepare
- F process
- F registermain
- F report
- F reset
- T vectors

constructors table

- F addcharacters
- F addcoreunicodes
- B addtounicode
- F aftercopyingcharacters
- F applymanipulators
- F assignmathparameters
- B autocleanup
- F beforecopyingcharacters
- D cache
- B cacheintex
- F calculatyscale
- F checkedfeatures
- F checkedfilename
- F cleanupable

- F collectprocessors
- F currentfonthasfeature
- D designsizes
- D dontembed
- F enhanceparameters
- T enhancers
- T afm
 - F apply
 - F patch
- T patches
 - F register
 - F report
- F register
- F report
- T otf
 - F addfeature
 - F apply
 - F enhance
 - F patch
- T patches
 - F register
 - F report
- F register
- F report
- T tfm
 - F apply
 - F patch
- T patches
 - F register
 - F report
- F register
- F report
- N factor
- T features
 - D afm
 - D otf
 - D tfm
- F finalize
- B fixprotrusion
- F getfeatureaction
- F getmathparameter

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

F topdf	F ligature
D pngcache	F multiple
B pngenabled	F reversechainedcontextsingle
T readers	F single
F addunicodetable	F gvar
F avar	F head
F cbdt	T helpers
F cblc	F axistofactors
F cff	F cleanname
F cff2	F getaxisscale
F cffcheck	F getfactors
T cffencoder	F getscales
F checkhash	F gotodatatable
F cmap	F normalizedaxis
F colr	T normalizedaxishash
F compact	F readvariationdata
F cpal	F reportskippedtable
F ebdt	F setvariabledata
F eblc	F hhea
F ebsc	F hmtx
F expand	F hvar
F extend	F kern
F fvar	F loadfont
F gdef	F loadshapes
F getcomponents	F loca
F getinfo	F math
F glyf	F maxp
F gpos	F mvar
T gposhandlers	F name
F chainedcontext	F os/2
F context	F pack
F cursive	F parsecharstrings
F extension	F post
F marktobase	F registerextender
F marktligature	F rehash
F marktmark	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 readbyte	F vhea
F readbytes	F vmtx
F readbytetable	F vorg
F readcardinal	F vvar
F readcardinal1	F woff2otf
F readcardinal2	F registerpalette
F readcardinal2le	F registerplugin
F readcardinal3	F reorderlookups
F readcardinal3le	F scriptandlanguage
F readcardinal4	F setdynamics
F readcardinal4le	F setfeatures
F readcardinaltable	T statistics
F readchar	D usedfeatures
F readfixed2	F storepdfdata
F readfixed4	T svg
F readinteger	F filterglyph
F readinteger1	F topdf
F readinteger2	D svgcache
F readinteger2le	B svgenabled
F readinteger3	T tables
F readinteger3le	D baselines
F readinteger4	D features
F readinteger4le	D featuretypes
F readintegertable	D languages
F readsignedbyte	D scripts
F readstring	N version
F readtag	T pfb
F setposition	F loadvector
F size	T tfm
F skip	D cache
F skiplong	D features
F skipposition	N maxnestingdepth
F skipshort	N maxnestingsize
F writebyte	T readers
F writecardinal2	F loadpk
F writecardinal2le	F loadtfm
F writecardinal4	F loadtfmvf
F writecardinal4le	F loadvf
F writestring	F pktopdf
F stripredundant	F showpk
F svg	F reencode
N tableversion	F setfeatures
F unifymissing	N version
F unpack	T vf

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

F resetfeature
 B resolvevirtualtoo
 F scale
 F scaled
 F setfactor
 F setfeature
 F setmathparameter
 F setname
 B sharefonts
 F trytosharefont
 N version

current function

currentid function

definers table

F addlookup
 F analyze
 F applypostprocessors
 F checkedmode
 F checkedscript
 S defaultlookup
 F define
 F getspecification
 F internal
 F loadfont
 F makespecification
 T methods
 F install
 D variants
 F read
 F register
 F registered
 F registersplit
 F resetnullfont
 F resolve
 T resolvers
 F file
 F name
 F spec

definetypeface function

encodings table

T agl
 D ctxcodes
 D extras
 D names

D synonyms
 D unicodes
 D cache
 F is_known
 D known
 F load
 F make_unicode_vector
 D math
 N version

enhanceid function

expansions data table

formats data table

getalternate function

getindices function

getkern function

getmultiple function

getsubstitution function

getters table

T alternate
 F opentype
 T kern
 F opentype
 F type1
 F type3
 T multiple
 F opentype
 T substitution
 F opentype

goodies table

D colorschemes
 T data
 T dejavu-math
 S author
 S comment
 S copyright
 B initialized
 T mathematics
 T alternates
 T dotless
 S comment
 S feature
 N value
 T kerns
 S name

S version

D designsizes

D filenames

F getcompositions

T list

F load

F prepare_features

F register

F registerpostprocessor

F report

T suffixes

handlers table

 T typethree

 F register

hashes table

 D characters

 D classes

 D csnames

 D descriptions

 D dynamics

 D emwidths

 D exheights

 D extensibles

 D features

 D identifiers

 D italics

 D lastmathids

 D marks

 D mathparameters

 D modes

 D originals

 D parameters

 T processes

 D properties

 D quads

 D resources

 T setdynamics

 T shapes

 D spaces

 D spacings

 T streams

 D unicodes

 D variants

 D xheights

helpers table

 F addextraprivate

 F addprivate

 F appendcommands

 F appendcommandtable

 F checkflags

 F checkmerge

 F checksteps

 F collectanchors

 D commands

 F descriptiontoslot

 F dimenfactor

 F expandglyph

 T extraprivates

 F fontpatternhassize

 F getcoloredglyphs

 F getdigitwidth

 F getinstancespec

 F getparameters

 F getprivatecharornode

 F getprivatenode

 F getprivates

 F getprivateslot

 F hasprivate

 F indextoslot

 F name

 F nametoslot

 F newprivateslot

 F prependcommands

 F prependcommandtable

 F privateslot

 F setdigitwidth

 F splitfontpattern

 F tochar

infofont function

iterators table

 F characters

 F descriptions

 F glyphs

loggers table

 F add_placeholders

 D category_to_placeholder

 F format

 F onetimemessage

F register		F otf	
F reportdefinedfonts		F pfb	
F reportusedfeatures		D sequence	
mappings	table	F tfm	
F addtounicode		F ttc	
F fromunicode16		F ttf	
F loadfile		F woff	
F loadline		reserveid	function
F makenameparser		select	table
D overloads		D alternatives	
F reset		F bodyfont	
F tounicode		D data	
F tounicode16		F default	
F tounicode16sequence		D defaults	
metapost	table	F definefallbackfamily	
F boundingbox		F definefontfamily	
F boxtomp		F definefontfamilypreset	
F draw		D extras	
F fill		F fallback	
F maxbounds		D fallbacks	
F output		F features	
F paths		F filefallback	
F widthline		F fontdata	
F zeroline		F fontfallback	
mp	table	F fontsynonym	
D cache		F goodies	
B inline		F mathfallback	
N version		D methods	
names	data table	D presets	
nulldata	data table	F registerfallback	
privateoffsets	table	F registerfiles	
B keepnames		F registerfontalternative	
N mathbase		F registerfontfamily	
N mathextrabase		F textfallback	
N textbase		F typeface	
N textextrabase		F typescript	
protrusions	data table	F userdata	
readers	table	specifiers	table
F afm		D contextmerged	
F check_lua		F contextnumber	
F check_tfm		D contextnumbers	
F lua		D contextsetups	
F ofm		F contexttostring	
F opentype		F definecontext	

F mergecontext
F presetcontext
F registercontext
F showcontext
F splitcontext
D synonyms
D variants
symbols table
T emoji
F checked
F resolved
F uselibrary
tables table

D data
F savefont
F saveoriginal
tracers table
treatments table
F applyfixes
D data
S filename
F ignoredfile
F report
F trace
typefaces table

functions (context)

dummy function

graphics (context)

backgrounds table

F fetchmultipart

F pair

F path

F point

identifiers table

F bitmap

F jp2

F jpg

F png

identify function

gzip (extra lua)

close function
compress function
compressed function
decompress function
lines function

load function
open function
save function
suffix function

images (context)

check function
checksize function
copy function
create function
embed function
keys table
print function
scan function
serialize function
sizes table

- B art
- B bleed
- B crop
- B media

- B none
- B trim

totable function
types table

- N jbig2
- N jp2
- N jpg
- N memstream
- N none
- N pdf
- N png
- N stream

wrap function

img (basic tex)

new overloaded function

interactions (context)

attachments data table

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F setupidentity

help table

F collect

F reference

F register

javascripts table

F addtopreamble

F code

D codes

F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedList data table

pages table

F setpagetransition

F setupcanvas

references table

F setclosedocument

F setclosepage

F setopendocument

F setopenpage

renderings data table

soundclips data table

interfaces (context)

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

F define

F list	
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
setuserinterface	function
setvalidkeys	function
setvariable	function
showmessage	function
storedscanners	data table
strings	table
syntax	data table
tolist	function
translations	data table
usednamespaces	data table
variables	data table
writestatus	function

io (basic lua)

ask	function	output	overloaded function
bytes	function	pathseparator	string
characters	function	popen	overloaded function
close	function	read	function
copydata	function	readall	function
exists	function	readnumber	function
fileseparator	string	readstring	function
flush	function	savedata	function
input	overloaded function	size	function
lines	overloaded function	stderr	userdata
loadchunk	function	stdin	userdata
loaddata	function	stdout	userdata
loadlines	function	tmpfile	function
newreader	function	type	function
noflines	function	write	function
open	overloaded function		

job (context)

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

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

lang (basic tex)

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

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

languages (context)

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

T enablers

B enables

F found

F load

T methods

N threshold

layouts (context)

status table

F leftorrightpageaction

F isleftpage

lfs (extra lua)

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

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

ltxplatform (context)

get_inactive_fonts function

get_installed_fonts function

lrx (context)

color	function	loadedfile	function
convert	function	make	function
convertfile	function	new	function
convertstring	function	overloaderror	function
einject	function	popupfile	function
eprint	function	print	function
escape	function	pv	function
finalized	function	report	function
finject	function	reset	function
fprint	function	result	function
get	function	set	function
getvariables	function	show	function
htmfile	function	showdebuginfo	function
html	table	showerror	function
F a		stripcss	function
F td		tv	function
F th		type	function
include	function	urlescape	function
inherited	table	variable	function
S color-background-four		variables	table
S color-background-one		S color-background-blue	
S color-background-three		S color-background-body	
S color-background-two		S color-background-green	
S title		S color-background-main	
initialize	function	S color-background-purple	
inject	function	S color-background-yellow	
lrxfile	function	S title-default	

logs (context)

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

lpdf (context)

action	function	destinationsspecification	function
adddocumentcolorspace	function	dictionary	function
adddocumenttextgstate	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	
annotationsspecification	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	
commentssymbols	function	escaped	function
compresslevel	function	finalizedocument	function
constant	function	finalizefonts	function
copyarray	function	finalizepage	function
copyboolean	function	finishtransparencycode	function
copyconstant	function	flags	table
copydictionary	function	T annotations	
copyfloat	function	N AutoView	
copyinteger	function	N Hidden	
copynumber	function	N Invisible	
copystring	function	N Locked	
copyunicode	function	N LockedContents	
delayedobject	function	N NoRotate	

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

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

lpeg (basic lua)

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

ltn12 (context)

BLOCKSIZE number

filter table

F chain

F cycle

pump table

F all

F step

sink table

F chain

F error

F file

F null

F simplify

F table

source table

F cat

F chain

F empty

F error

F file

F rewind

F simplify

F string

lua (basic tex)

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

luatex (context)

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

lxml (context)

addindex	function	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	inlineverbatimim	function
context	function	installsetup	function
convert	function	last	function
count	function	lastatt	function
delete	function	lastmatch	function
direct	function	lastpar	function
directives	table	load	function
F after		loadbuffer	function
F before		loaddata	function
F handle		loaded	table
F load		main	function
F setup		match	function
displayverbatimim	function	name	function
doif	function	namespace	function
doifelse	function	nonspace	function
doifelseempty	function	par	function
doifsetext	function	param	function
doifempty	function	parameter	function
doifnot	function	path	function
doifnotempty	function	popmatch	function
doifnottext	function	pos	function
doiftext	function	position	function
element	function	pure	function
elements	function	pushmatch	function
entities	data table	raw	function
filter	function	rawroot	function
filterlist	function	rawtex	function
first	function	refatt	function

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

F add

math (basic lua)

abs	function	maxinteger	number
acos	function	min	function
asin	function	mininteger	number
atan	function	mod	function
atan2	function	modf	function
ceil	function	odd	function
ceiling	function	pi	number
cos	function	pow	function
cosd	function	rad	function
cosh	function	random	overloaded function
deg	function	randomseed	function
div	function	round	function
even	function	setrandomseedi	function
exp	function	sin	function
floor	function	sind	function
fmod	function	sinh	function
frexp	function	sqrt	function
huge	number	tan	function
initialseed	number	tand	function
ldexp	function	tanh	function
log	function	tointeger	function
log10	function	type	function
max	function	ult	function

mathematics (context)

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

md5 (extra lua)

HEX function
crypt function
dec function
decrypt function
exor function

hex function
sum function
sumHEXA overloaded function
sumhexa overloaded function

metapost (context)

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

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

mime (extra lua)

b64	function	qpwrp	function
decode	overloaded function	report	function
decodet	overloaded table	stuff	overloaded function
	F base64	unb64	function
	F quoted-printable	unqp	function
dot	function	wrap	overloaded function
encode	overloaded function	wrapt	overloaded table
encodet	overloaded table		F base64
	F base64		F default
	F quoted-printable		F quoted-printable
eol	function		F text
normalize	overloaded function	wrp	function
qp	function		

mp (context)

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

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

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

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

mplib (extra tex)

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

noads (context)

handlers

F align
F alternates
F autofences
F classes
F collapse
F domains
F families
F fixscripts
F italics
F kernpairs
F makeup
F relocate
F render

table

F resize
F showtree
F tags
F unscript
F unstack
F variants

process function

processnested function

processors table

F mlist_to_hlist

T unscript

T unstack

processouter function

node (basic tex)

check_discretionaries	function	F getglue
check_discretionary	function	F getheight
copy	function	F getid
copy_list	function	F getkern
count	function	F getlang
current_attr	function	F getleader
dimensions	function	F getlist
direct	table	F getnext
F check_discretionaries		F getnucleus
F check_discretionary		F getoffsets
F copy		F getpenalty
F copy_list		F getprev
F count		F getproperty
F current_attr		F getshift
F dimensions		F getsub
F effective_glue		F getsubtype
F end_of_math		F getsup
F find_attribute		F getwhd
F first_glyph		F getwidth
F flatten_discretionaries		F has_attribute
F flush_list		F has_field
F flush_node		F has_glyph
F flush_properties_table		F hpack
F free		F hyphenating
F get_attribute		F insert_after
F get_properties_table		F insert_before
F get_synctex_fields		F is_char
F getattributelist		F is_direct
F getboth		F is_glyph
F getbox		F is_node
F getchar		F is_zero_glue
F getcomponents		F kerning
F getdata		F last_node
F getdepth		F length
F getdir		F ligaturing
F getdirection		F new
F getdisc		F prepend_prevdepth
F getexpansion		F protect_glyph
F getfam		F protect_glyphs
F getfield		F protrusion_skippable
F getfont		F rangedimensions

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

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

nodes (context)

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

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

F get		F firstcharacter
mathcodes	data table	F firstcharinbox
maxboxwidth	function	F firstglyph
mlist_to_hlist	function	F flatten_discretionaries
new	function	F flush
noadcodes	data table	F flush_list
noadoptions	table	F flush_node
N axis		F free
N exact		F fullhpack
N left		F get_components
N middle		F get_synctex_fields
N no_axis		F getattr
N right		F getattribute
N set		F getattributelist
N unused_1		F getattrlist
N unused_2		F getboth
nodecodes	data table	F getbox
nopts	function	F getboxglue
nuts	table	F getchar
F append		F getcomponents
F apply		F getdata
F applyvisuals		F getdepth
F check_discretionaries		F getdir
F concat		F getdirection
F copy		F getdisc
F copy_list		F getdiscretionary
F copy_no_components		F getexpansion
F copy_node		F getfam
F copy_only		F getfield
F copy_only_glyphs		F getfont
F copy_properties		F getglue
F copyvisual		F getglyphdata
F count		F getheight
F count_components		F getid
F countall		F getkern
F current_attr		F getlang
F delete		F getlanguage
F dimensions		F getleader
F dirdimensions		F getlist
F effective_glue		F getnext
F end_of_math		F getnormalizedline
F find_attribute		F getnucleus
F find_node		F getoffsets
F first_glyph		F getorientation

F getpenalty	T pool
F getpost	F accent
F getpre	F baselineskip
F getprev	F boundary
F getprop	F choice
F getreplace	F cleanup
F getruledata	F delim
F getshift	F delimiter
F getstate	F direction
F getsub	F directliteral
F getsubtype	F disc
F getsup	F emptyrule
F getsurround	F fence
F getvalue	F fontkern
F getwhd	F fraction
F getwidth	F glue
F has_attribute	F glyph
F has_dimensions	F hlist
F has_field	F indentskip
F has_glyph	F italickern
F hpack	F kern
F hyphenating	F latelua
F insert_after	F leader
F insert_before	F lefthangskip
F insert_list_after	F leftmarginkern
F is_direct	F leftskip
F is_display_math	F lineskip
F is_node	F literal
F is_nut	F mathchar
F is_zero_glue	F mathtextchar
F ischar	F negatedglue
F isdone	F noad
F isglyph	F originliteral
F kerning	F outlinerule
F last_node	F pageliteral
F leftmarginwidth	F penalty
F length	F radical
F ligaturing	F rawliteral
F link	F register
F linked	F restore
F locate	F righthangskip
F mlist_to_hlist	F rightmarginkern
F nestedtracedslide	F rightskip
F new	F rule

F save	F setattributelist
F savepos	F setattributes
F setmatrix	F setattrlist
F shrink	F setboth
F stretch	F setbox
F subbox	F setboxglue
F submlist	F setchar
F temp	F setcomponents
F usage	F setdata
T userids	F setdepth
N margins.inline	F setdir
N splitters.one	F setdirection
N splitters.two	F setdisc
F usernode	F setdiscretionary
F userrule	F setexpansion
F vlist	F setfam
F wordboundary	F setfield
F prepend	F setfont
F processranges	F setglue
F processwords	F setglyphdata
F protect_glyph	F setheight
F protect_glyphs	F setkern
F protrusion_skippable	F setlang
F rangedimensions	F setlanguage
F rawprop	F setleader
F reference	F setlink
F rehpack	F setlist
F remove	F setnext
F repackhlist	F setnucleus
F replace	F setoffsets
F rightmarginwidth	F setorientation
T rules	F setparproperty
T ruleactions	F setpenalty
F box	F setpost
F draw	F setpre
F fill	F setprev
F mp	F setprop
F stroke	F setreplace
F userrule	F setruledata
F set_attribute	F setshift
F set_components	F setsplit
F set_synctex_fields	F setstate
F setattr	F setsub
F setattribute	F setsubtype

F setup	F tohbox	
F setsurround	F tohpack	
F setunsetattributes	F tonodes	
F setvalue	F tovbox	
F setvisual	F tovpack	
F setvisuals	F unprotect_glyph	
F setwhd	F unprotect_glyphs	
F setwidth	F unset_attribute	
F slide	F unsetattribute	
F somepenalty	F unsetattributes	
F somespace	F untracedslide	
F splitbox	F usedlist	
F start_of_par	F uses_font	
F striprange	F vianodes	
F tail	F vianuts	
F takeattr	F vpack	
F takebox	F write	
F takelist	packlist	function
F theprop	penaltycodes	data table
F tonode	plugindata	table
F tonodes	F finalizer	
F tonut	F initializer	
F tosequence	S name	
F tostring	T namespace	
F tracedslide	N attribute	
F traverse	D data	
F traverse_char	F enable	
F traverse_glyph	F handler	
F traverse_id	F register	
F traverse_list	D registered	
T traversers	D values	
F boundary	F processor	
F char	points	function
F dir	pool	table
F disc	F baselineskip	
F glue	F cleanup	
F glyph	F directliteral	
F hlist	F glyph	
F list	F hlist	
F next	F latelua	
F node	F lineskip	
F vlist	F literal	
F whatsit	F originliteral	
T typesetters	F register	

F restore		serialize	function
F save		serializebox	function
F savepos		set_attribute	function
F setmatrix		setattr	function
F special		setattribute	function
F usage		setattributes	function
F vlist		setboth	function
prepend	function	setbox	function
print	function	setboxtonaturalwd	function
processors	table	setchar	function
F contribute_filter		setfield	function
B enabled		setfont	function
F hpack_filter		setglue	function
F post_linebreak_filter		setleader	function
F pre_linebreak_filter		setlink	function
F tracer		setlist	function
properties	table	setnext	function
T data		setnormalizeline	function
protect_glyph	function	setprev	function
protect_glyphs	function	setunsetattributes	function
protrusion_skippable	function	shifts	table
pts	function	D data	
radicalcodes	data table	F define	
rangedimensions	function	F enable	
reference	function	F handler	
references	table	show	function
N attribute		showboxes	function
T done		showcodes	function
F handler		showlist	function
T stack		showsimplelist	function
reheap	function	skipcodes	data table
remove	function	skipvalues	data table
repackhlist	function	slide	function
replace	function	snapshots	table
report	function	F getparameters	
rightmarginwidth	function	F getsamples	
rulecodes	data table	F resetsamples	
rules	table	F takesample	
D data		somepenalty	function
F define		spacespace	function
F enable		splitbox	function
F handler		start_of_par	function
F userrule		stripdiscretionaries	function
save	function	stripping	table

T glyphs		T characters	
F set		F collect	
subtypes	data table	F equal	
tail	function	F start	
takeattr	function	F string	
takebox	function	F unicodes	
tasks	table	T colors	
F actions		F reset	
F appendaction		F set	
F disableaction		F setlist	
F disablegroup		F directions	
F enableaction		F fontchar	
F enablegroup		T frequencies	
F freeze		F register	
F freezegroup		T pool	
F new		T nodes	
F prependaction		F rule	
F removeaction		T nuts	
F replaceaction		F rule	
F restart		F resetproperties	
F setaction		F rule	
F showactions		F setlist	
F table		F setproperties	
tobasepoints	function	F start	
tocentimeters	function	T steppers	
tociceros	function	F check	
todidots	function	F codes	
todimen	function	F features	
toinches	function	F font	
tomillimeters	function	F glyphs	
tonewciceros	function	F message	
tonewdidots	function	F messages	
tonode	function	F nofsteps	
tonodes	function	F register	
tonut	function	F reset	
topics	function	F start	
topoints	function	F stop	
toscaledpoints	function	F stop	
tosequence	function	T transparencies	
tostring	function	F reset	
totable	function	F set	
totree	function	F setlist	
toutf	function	traverse	function
tracers	table	traverse_char	function

traverse_glyph	function	usedlist	function
traverse_id	function	usercodes	data table
traverse_list	function	uses_font	function
traversers	table	vianodes	function
F char		vianuts	function
F glyph		visualizebox	function
F list		visualizers	table
F node		F attribute	
typesetters	table	T attributes	
F hbox		F box	
F hpack		F handler	
F tohbox		F markfonts	
F tohpack		F register	
F tonodes		F setfont	
F tovbox		F setlayer	
F tovpack		F setruledglyph	
F vpack		F setvisual	
unprotect_glyph	function	vpack	function
unprotect_glyphs	function	whatcodes	data table
unset_attribute	function	whatsitcodes	data table
unsetattribute	function	write	function
unsetattributes	function		

number (context)

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

objects (context)

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

os (basic lua)

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

package (basic lua)

config	string	luapaths	function
cpath	string	path	string
extralibpath	function	poplibpath	function
extralibpaths	function	popluapath	function
extralupath	function	preload	table
extralupaths	function	pushlibpath	function
helpers	table	pushluapath	function
libpaths	function	searchers	table
loaded	table	searchpath	function
loaders	table	seeall	function
loadlib	function		

pagebuilders (context)

columnsets table

F add
F block
F check
F currentcolumn
F define
F finishflush
F flushareas
F flushcolumn
F flushrest
F goto
F noto
F prepareflush
F put
F registerarea
F reset
F setarea

F sethsize
F sethspace
F setlines
F setproperties
F setstart
F setvsize

injections table

F flushafter
F flushbefore
F save

mixedcolumns table

F cleanup
F finalize
F getlist
F getrest
F getsplit
F setsplit

pdf (basic tex)

`immediateobj` function

pdf (extra tex)

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

pdfscanner (context)

scan function

physics (context)

units table

D tables

F registerunit

publications (context)

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

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

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

D privates

D sets

D specials

D types

D virtuals

tags

function

tracers

table

F showdatasetauthors

F showdatasetcompleteness

F showdatasetfields

F showentry

F showfields

F showhashedauthors

F showtables

F showvariants

typesetters

table

F author

F string

usedataset

function

usedentries

function

writers

table

F author

F keyword

F pagenumber

F range

regimes (context)

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

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

resolvers (context)

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

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

sandbox (context)

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

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

scripts (context)

autofontfeature	table	hash	table
F disable		injectors	data table
F enable		inserters	table
F handler		F nobreakspace_after	
categorytonumber	data table	F nobreakspace_before	
colors	data table	F space_after	
decomposehangul	function	F space_before	
defaults	table	F zerowidthspace_after	
N inter_char_half_shrink_factor		F zerowidthspace_before	
N inter_char_half_stretch_factor		installdataset	function
N inter_char_hangul_penalty		installmethod	function
N inter_char_quarter_shrink_factor		numbertocategory	data table
N inter_char_quarter_stretch_factor		numbertodataset	data table
N inter_char_shrink_factor		numbertohandler	data table
N inter_char_stretch_factor		reset	function
N inter_word_stretch_factor		set	function
handlers	data table	splitters	data table

set (context)

contains function
create function
tolist function

tonumber function
totable function

sha2 (extra lua)

HASH256 function
HASH384 function
HASH512 function
digest256 function
digest384 function

digest512 function
hash256 function
hash384 function
hash512 function

sio (extra lua)

read2dot14 function
readbytes function
readbytetable function
readcardinal1 function
readcardinal2 function
readcardinal3 function
readcardinal4 function
readcardinaltable function

readfixed2 function
readfixed4 function
readinteger1 function
readinteger2 function
readinteger3 function
readinteger4 function
readintegertable function

socket (extra lua)

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

S proxy-authenticate		F request	
S proxy-authorization		newtry	function
S range		protect	function
S received		report	function
S received-from-mta		select	function
S references		sink	overloaded function
S referer		sinkt	overloaded table
S remote-mta		F close-when-done	
S reply-to		F default	
S reporting-mta		F http-chunked	
S resent-bcc		F keep-open	
S resent-cc		skip	function
S resent-date		sleep	function
S resent-from		sntp	table
S resent-message-id		S DOMAIN	
S resent-reply-to		N PORT	
S resent-sender		S SERVER	
S resent-to		N TIMEOUT	
S retry-after		S ZONE	
S return-path		F message	
S sender		F open	
S server		F send	
S smtp-remote-recipient		source	overloaded function
S status		sourcec	overloaded table
S subject		F by-length	
S te		F default	
S to		F http-chunked	
S trailer		F until-closed	
S transfer-encoding		tcp	function
S upgrade		tcp4	function
S user-agent		tcp6	function
S vary		tp	overloaded table
S via		N TIMEOUT	
S warning		F connect	
S will-retry-until		try	overloaded function
S www-authenticate		udp	function
S x-mailer		udp4	function
F lower		udp6	function
F normalize		url	overloaded table
http	overloaded table	F absolute	
N TIMEOUT		F build	
S USERAGENT		F build_path	
F genericform		F escape	
F open		F parse	

F parse_path

F unescape

sorters (context)

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

statistics (context)

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

status (basic tex)

list function
resetmessages function

setexitcode function

storage (context)

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

streams (context)

collect function
disable function
enable function
flush function
initialize function

push function
start function
stop function
synchronize function

string (basic lua)

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

structures (context)

allocation

function

F next

blocks

table

F prev

D collected

F previous

F define

F raw

F print

F record

F save

F reset

F select

F restart

F setstate

F restore

D states

F save

D tobesaved

F set

F uservariable

F setlevel

bookmarks

table

F setoffset

T extras

F setown

F get

F setstate

F mergesections

F setvalue

F register

T specials

F reset

F userpage

F tosections

F subs

F finalize

D tobesaved

F flatten

F value

F installhandler

F way

F merge

currentsectionnumber function

S method

descriptions table

F overload

documents table

F place

D data

F register

F initialize

F setopened

F preset

F setup

F reset

counters

table

F add

floats table

F analyze

formulas table

F check

helpers table

D collected

F analyze

F compact

F formulanumber

F converted

F merged

F currentvalue

F page

D data

F pageofinternal

F define

F prefix

F first

F prefixlastpage

F get

F prefixpage

F last

F simplify

F title

F touserdata
inserts table
D data
F define
F getdata
F getlocation
F getname
F getnumber
F setlocation
F setup
D stored

itemgroups table
lists table

F addto
F analyze
B autoreorder
D cached
D collected
F discard
F enhance
T enhancers
F filter
F formulnumber
F getresult
F groupindex
F hasnumberdata
F haspagedata
F hastitledata
F iscached
D kinds
F label
F location
D names
F number
D ordered
F page
F popnesting
F prefix
F prefixednumber
F prefixedpage
F process
D pushed
F pushnesting
F realpage

F reordered
T result
F savedlistnumber
F savedlistprefixednumber
F savedlisttitle
D sectionblocks
F sectionnumber
F size
F title
D tobosaved
F userdata
F uservalue

marks table

D data
F define
F exists
F fetch
F fetchallmarks
F fetched
F fetchonemark
F fetchtwomarks
F get
F number
F relate
F reset
F set
F show
F synchronize
F title
T tracers
F showtable

notes table

F check_spacing
F checkpagechange
F define
F doifonsamepageasprevious
F get
F getdeltapage
F getinternal
F getn
F getstate
F hascontent
F internal
F internalid

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

pages table

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

references table

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

T files
T data
F define
F found
F get
F filter
F filterdefault
D filters
D flaginternals
F from
D functions
F get
F getcurrentmetadata
F getcurrentprefixspec
F getinnermethod
F getinternalcachedlistreference
F getinternallistreference
F getinternalreference
F getoutermethod
D handlers
F identify
F import
F inject
F injectcurrentset
S innermethod
D internals
F load
F loadpresets
F mark
S outermethod
D pages
U prefixsplitter
D productdata
T programs
T data
F define
F get
F realpageofpage
U referencesplitter
D referred
F referredpage
F registerfinalizer
F registerinitializer
F registerpage

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

registers

table

- F analyze
- D collected
- F compare

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

sections

table

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

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

sets table

F define
F get
F getall
D setlist

specials table

D collected
F retrieve
F store
D tobesaved

synonyms table

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

F registerused
F resetshown
F resetused
F sort
F synonym
D tobesaved

tags table

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

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

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

table (basic lua)

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

tex (basic tex)

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

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

texconfig (basic tex)

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

texio (basic tex)

closeinput function
setescape function

write function
write_nl function

token (basic tex)

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

tokens (context)

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

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

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

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

F scanopen	F tonumber
F scanstring	F tostring
F scantable	U vbox
F scanvbox	U vtop
F scanverbatim	F tonumber
F scanvtop	F tostring
F scanword	vbox userdata
F toboolean	vtop userdata
F todimen	

tracers (context)

count	function
cs	function
dimen	function
knownlist	function
lists	table
T context	
T internals	
T scratch	
name	function

primitive	function
printerror	function
printwarning	function
showlines	function
strings	table
S undefined	
toks	function
type	function

trackers (context)

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

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

typesetters (context)

alignments table

F handler

F set

breakpoints table

F define

F handler

D mapping

T methods

T numbers

F set

F setreplacement

cases table

T actions

F handler

F register

F set

characteralign table

F handler

F resetcharacteralign

F setcharacteralign

characters table

F handler

T methods

F replacensp

F replacenspaces

checkers table

F handler

F reset

F set

cleaners table

F handler

F set

digits table

T actions

F handler

F set

directions table

F getfences

F getglobal

F getmethod

F handler

T handlers

F installhandler

F processmath

F set

F setcolor

F setmath

F tomode

firstlines table

T actions

F default

F line

F word

F handler

F set

fontkerns table

F handler

initials table

T actions

F default

F addanchortoline

F addtoline

F calculatedelta

F checkline

F handler

F moveinline

F normalize

F set

injectors table

F check

T list

F mark

F reset

F set

F show

italics table

F enablemath

F enabletext

F forcevariant

F handler

F reset

F set

kerns table

D factors
 F handler
 F keepligature
 D mapping
 F set

manipulators table

F apply
 F applyspecification
 T methods
 F Word
 F Words
 F abbreviatedjournal
 F expandedjournal
 F lowercase
 F stripperperiod
 F uppercase
 T patterns
 U list
 U pair
 F splitspecification

margins table

F finalhandler
 F globalhandler
 F localhandler
 F save

marksuspects function**paragraphs** table

F addanchortoline
 F addtoline
 F calculatedelta
 F checkline
 F handler
 F moveinline
 F normalize
 F set

periodkerns table

D factors
 F handler
 D mapping
 F set

processors table

F apply
 F register
 F reset
 F split
 F startapply
 F stopapply
 F stripped
 F tostring

rubies table

F attach
 F check

showsuspects function**spacings** table

F define
 F handler
 D mapping
 T numbers
 T frenchpunctuation
 T characters
 S name
 N number

F reset

F set

F setup

wrappers table

F handler

xtables table

F cleanup
 F construct
 F create
 F finish_row
 F flush
 F initialize_construct
 F initialize_reflow_height
 F initialize_reflow_width
 F next_row
 F reflow_height
 F reflow_width
 F set_construct
 F set_reflow_height
 F set_reflow_width

updaters (context)

apply function

register function

url (context)

addscheme function
barepath function
construct function
decode function
encode function
escape function
filename function

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

utf8 (basic lua)

char function
charpattern string
codepoint function

codes function
len function
offset function

utilities (context)

debugger table

F disable
F enable
F savestats
F showstats
F showtraceback

files table

F close
F getposition
F getsize
F look
F open
F read2dot14
F readbyte
F readbytes
F readbytetable
F readcardinal
F readcardinal1
F readcardinal2
F readcardinal2le
F readcardinal3
F readcardinal3le
F readcardinal4
F readcardinal4le
F readcardinaltable
F readchar
F readfixed2
F readfixed4
F readinteger
F readinteger1
F readinteger2
F readinteger2le
F readinteger3
F readinteger3le
F readinteger4
F readinteger4le
F readintegertable
F readsignedbyte
F readstring
F readtag
F setposition

F size
F skip
F skiplong
F skipposition
F skipshort
F writebyte
F writecardinal2
F writecardinal2le
F writecardinal4
F writecardinal4le
F writestring

formatters table

F formatcolumns
F list
F stripzeros

garbagecollector table

F check
N criterium
B enabled

lua table

B alwaysstripcode
F checkmemory
F compile
F loadedluacode
F loadstring
F loadstripped
N nofstrippedbytes
N nofstrippedchunks
F registerfinalizer
B stripcode
T strippedchunks
F strippedloadstring
T suffixes
S lua
S luc
S lui
S luj
S luv
S tma
S tmc
S tua

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

U settings_to_hash_d		F prependaction	
U unittotex		F prependgroup	
F process_stripped_settings		F removeaction	
F rfc4180splitter		F replaceaction	
F runtime		F setkind	
F settings_to_array		F toString	
F settings_to_array_obey_fences		setters	table
F settings_to_array_with_repeat		F disable	
F settings_to_hash		F enable	
F settings_to_hash_colon_too		F initialize	
F settings_to_hash_strict		F list	
F settings_to_hash_tolerant		F new	
F settings_to_numbers		F register	
F settings_to_set		F report	
F simple_hash_to_string		F reset	
F splitmethod		F show	
F splitthousands		stacker	table
F stepper		F new	
F stripped_settings_to_array		storage	table
F totime		F allocate	
F unittotex		F checked	
F unittotxml		F mark	
randomizer	table	F marked	
F get		F setinitializer	
F getnumber		F sparse	
F getseed		streams	table
F popseed		F close	
F pushseed		F getposition	
F reuseseed		F getsize	
F setseed		F getstring	
F setseedi		F look	
report	function	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 readcardinal4
F readcardinal4le
F readcardinaltable
F readchar
F readfixed2
F readfixed4
F readinteger
F readinteger1
F readinteger2
F readinteger2le
F readinteger3
F readinteger3le
F readinteger4
F readinteger4le
F readintegertable
F readsignedbyte
F readstring
F setposition
F size
F skip
F skipbytes
F skiplong
F skipshort

strings table

F collapse
F collapsecrLf
T formatters
 F add
 F new
F newcollector

F newrepeater
F nice
T striplinepatterns
 U collapse
 U prune
 U prune and collapse
 U prune and no empty
 U prune and to space
 U retain
 U retain and collapse
 U retain and no empty
F striplines
F striplong
F tabtospace
T tracers

tables table

F accesstable
F definedtable
F definetable
F encapsulate
F insertaftervalue
F insertbeforevalue
F migratetable
F removevalue
F replacevalue

templates table

F load
F replace
F replacer
F resolve

vf (context)

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

pdf function
pop function
push function
right function
rule function
special function

visualizers (context)

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

xml (context)

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

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

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

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

xzip (extra lua)

adler32	function
compress	function
compressobj	function
crc32	function

decompress	function
decompressobj	function
version	function

zip (extra lua)

archives	table	openarchive	function
close	function	openfile	function
closearchive	function	registeredfiles	table
open	overloaded function	type	function

zlib (extra lua)

adler32 function
compress function
compressobj function
crc32 function

decompress function
decompressobj function
version function