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ConT_EXt MkIV

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attributes (context)

applyoverloads function

colorintents table

N attribute

D data

F enable

F handler

F register

D registered

colors table

N attribute

F cmyk

F cmyktogray

F cmyktorgb

F colorcomponents

D counts

B couple

F currentmodel

F currentnamedmodel

D data

N default

F defineintermediatecolor

F definemultitonecolor

F defineprocesscolor

F defineprocesscolordirect

F definesimplegray

F definespotcolor

F definetransparency

F enable

F filter

N forced

F forcedmodel

F forcesupport

F formatcolor

F formatgray

F getpagecolormodel

F gray

F graytohsv

F handler

T helpers

F complement

F inbetween

F justone

F hsvtogray

F hsvtorgb

F iccprofile

F isblack

N main

S model

D models

F mpcolor

F mpnamedcolor

F mpoptions

F namedcolorattributes

N none

F popset

F processcolorcomponents

F pushset

F register

D registered

F registerspotcolor

F rgb

F rgbtocmyk

F rgbtogray

F rgbtohsv

N selector

F setlist

F setmodel

F setpagecolormodel

D sets

F spec

F spot

F spotcolorname

F spotcolorparent

F spotcolorvalue

B supported

F toattributes

F transparencycomponents

B triggering

F usecolors

D valid

F value

D values

B weightgray		F forcesupport	
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effects	table	T names	
N attribute		N color	
D data		N colorburn	
F enable		N colordodge	
F handler		N darken	
F register		N difference	
D registered		N exclusion	
D values		N hardlight	
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N attribute		N normal	
D data		N overlay	
F enable		N saturation	
F handler		N screen	
F register		N softlight	
D registered		N none	
F set		F register	
numbers	data table	D registered	
ofnode	function	B supported	
private	function	F toattribute	
public	function	B triggering	
restore	function	F value	
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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	
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N attribute		D registered	
D data		F resolve_begin	
F enable		F resolve_end	

F resolve_reset

F resolve_step

D scopes

F setfeatures

F start

F stop

B supported

D values

backends (context)

codeinjections table

F 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 fieldssurrounding

F flushmergelayer
F getbookmarks
F getdefaultfieldvalue
F getfieldcategory
F getfieldset
F getformatoption
F getidentityvariable
F getinfo
F getpreviewfigure
F insertrenderingwindow
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 setfieldcalculationset
F setfigurealternative
F setfigurecolorspace
F setfiguremask
F setformat
F setformsmethod
F setpagetransition
F setupcanvas
F setupidentity
F setxmpfile
F startlayer
F startunicodetoactualtext
F startunicodetoactualtextdirect
F stoplayer

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

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

caches (context)

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

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

freeze function

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_objnum_provider

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

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

containers (context)

cleannname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

A	function	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
word

function
function

words

function

coroutine (basic lua)

create	function
isyieldable	function
resume	function
running	function

status	function
wrap	function
yield	function

ctxrunner (context)

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

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		resources	data table
F print		scale	function
F scan		set	function
F serialize		setlookups	function
T sizes		setmemstream	function
B art		setorder	function

setpaths
suffixes

function
data table

used

data table

file (basic lua)

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

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

fio (extra lua)

checkpermission	function
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
recordfilename	function
setposition	function
skipposition	function

floats (context)

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

font (basic tex)

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

fonts (context)

analyzers table

- 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 calculatescale
- F checkedfeatures
- F checkedfilename
- F cleanupable

- F collectprocessors
- F currentfontasfeature
- 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
- F getfeatureaction
- F getmathparameter
- F getprivate

T handlers	F featuresprocessor
T afm	F getactualtext
B autoprefixed	F getalternate
D cache	F getgsub
D features	F getkern
F getkern	F getmultiple
T helpdata	F getstreamhash
D bothkerned	F getsubstitution
D leftkerned	T handlers
D ligatures	F devanagari_remove_joiners
D rightkerned	F devanagari_reorder_matras
D texligatures	F devanagari_reorder_pre_base_reordering_consonants
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 txttdirstate
F pair	F load
F single	F loadoutlinedata
F substitution	F loadstreamdata
F register	F modeinitializer
S stepkey	D mpscache
F dataset	D pdfcache
F datasetpositionprocessor	F plugininitializer
S defaultbasealternate	F pluginprocessor
S defaultnodealternate	T plugins
D features	T png
F featuresinitializer	F topdf

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 normalizedaxisishash
F compact	F readvariationdata
F cpal	F reportskippedtable
F ebdt	F setvariabledata
F eblc	F hhea
F ebsc	F hmtx
F expand	F hvar
F extend	F kern
F fvar	F loadfont
F gdef	F loadshapes
F getcomponents	F loca
F getinfo	F math
F glyf	F maxp
F gpos	F mvar
T gposhandlers	F name
F chainedcontext	F os/2
F context	F pack
F cursive	F parsecharstrings
F extension	F post
F marktobase	F registerextender
F marktoligature	F rehash
F marktomark	F sbix
F pair	F stat
F single	T streamreader
F gsub	F close
T gsubhandlers	F getposition
F alternate	F getsizes
F chainedcontext	F look
F context	F open
F extension	F read2dot14
F ligature	F readbyte

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
F vhea	T combinations

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

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
 F current
 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
- 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 reportdefinedfonts

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 otf		F mergecontext	
F pfb		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 fetchmultipar
- F pair
- F path
- F point

identifiers table

F bitmap

F jp2

F jpg

F png

identify function

gzip (extra lua)

close 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	
totalable	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

linkedLists data table

pages table

- F setpagetransition
- F setupcanvas

references table

- F setcloseddocument
- 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	saved_lines	function
input	overloaded function	savedata	function
lines	overloaded function	size	function
loadchunk	function	stderr	userdata
loaddata	function	stdin	userdata
loadlines	function	stdout	userdata
newreader	function	tmpfile	function
noflines	function	type	function
open	overloaded function	write	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 copy	
F get		F depth	
F number		F e_column	
F page		F e_region	
F save		F enhance	
F set		F extra	
D tobesaved		T free	
pack	boolean	F get	
packversion	number	F gethpos	
pagestates	table	F getpos	
D collected		F getreserved	
F countervalue		F getrpos	
F extend		F gettobesaved	
F realpage		F getvpos	
F realpageorder		F hangafter	
F setstate		F hangindent	

F height	S 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
T page	D collected	
F paragraph	T components	
F parindent	T tobesaved	
F position	T branches	
F r	S name	
F region	S type	
F registerhandlers	variables	table
F replace	D checksums	
F rightskip	D collected	
F set	F getchecksum	
F setall	F makechecksum	
F setregionbox	F restore	
F setspec	F save	
F settobesaved	F setchecksum	
D tobesaved	D tobesaved	
F upperleft	version	number
F upperright		

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

F load

B enables

T methods

F found

N threshold

layouts (context)

status	table	F leftorrightpageaction
	F isleftpage	

lfs (extra lua)

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

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

lmx (context)

color	function
convert	function
convertfile	function
convertstring	function
einject	function
eprint	function
escape	function
finalized	function
finject	function
fprint	function
get	function
getvariables	function
htmfile	function
html	table
F a	
F td	
F th	
include	function
inherited	table
S color-background-four	
S color-background-one	
S color-background-three	
S color-background-two	
S title	
initialize	function
inject	function
lmxfile	function

loadedfile	function
make	function
new	function
overloaderror	function
popupfile	function
print	function
pv	function
report	function
reset	function
result	function
set	function
show	function
showdebuginfo	function
showerror	function
stripcss	function
tv	function
type	function
urlescape	function
variable	function
variables	table
S color-background-blue	
S color-background-body	
S color-background-green	
S color-background-main	
S color-background-purple	
S color-background-yellow	
S title-default	

logs (context)

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

lpdf (context)

action	function
adddocumentcolorspace	function
adddocumenttextgstate	function
adddocumentpattern	function
adddocumentshade	function
addtocatalog	function
addtoinfo	function
addtonames	function
addtopageattributes	function
addtopageresources	function
addtopagesattributes	function
addxmpinfo	function
annotationspecification	function
array	function
attachmentsymbols	function
boolean	function
border	function
checkedkey	function
checkedvalue	function
circularshade	function
cmykcode	function
collectedresources	function
color	function
colorspace	function
colorspaceconstants	data table
colorspec	function
colorvalue	function
colorvalues	function
commentsymbols	function
compresslevel	function
constant	function
copyarray	function
copyboolean	function
copyconstant	function
copydictionary	function
copyfloat	function
copyinteger	function
copynumber	function
copystring	function
copyunicode	function
delayedobject	function

destination specification	function
dictionary	function
docstring	function
epdf	table
F analyzefonts	
F contenttotext	
F expanded	
F getpagecontent	
F getstructure	
T image	
F close	
F copy	
F new	
F open	
F query	
F load	
F parsecontent	
F plugin	
T resolvers	
F destinations	
F embeddedfiles	
F javascripts	
F layers	
F pages	
F structure	
F widgets	
F stripcontent	
F unload	
escaped	function
finalizedocument	function
finalizefonts	function
finalizepage	function
finishtransparencycode	function
flags	table
T annotations	
N AutoView	
N Hidden	
N Invisible	
N Locked	
N LockedContents	
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		minorversion	function
N ReadOnly		nametree	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
suppressoptionalinfo	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	pcode	function
Ct	function	print	function
P	function	ptree	function
R	function	replacer	function
S	function	secondofsplit	function
UP	function	setmaxstack	function
UR	function	setutfcasers	function
US	function	split	function
V	function	splitat	function
afterprefix	function	splitter	function
anywhere	function	stripper	function
append	function	times	function
balancer	function	tsplitat	function
beforesuffix	function	tsplitter	function
checkedsplit	function	type	function
containsws	function	utfchartabletopattern	function
counter	function	utfreplacer	function
endstripper	function	version	function
finder	function		

ltn12 (extra lua)

BLOCKSIZE number

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 required
bytedata	data table	F reset
bytdone	table	F resolvestring
collectgarbage	function	F resolving
delay	function	F showdefinitions
finalize	function	mask string
firstbytecode	number	messages data table
flush	function	name table
flushdelayed	function	newtable function
get_functions_table	overloaded function	numbers data table
getbytecode	function	registercode function
getcalllevel	function	registeredcodes 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
F loaded		

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
doifelsetext	function	param	function
doifempty	function	parameter	function
doifnot	function	path	function
doifnotempty	function	popmatch	function
doifnottext	function	pos	function
doiftext	function	position	function
element	function	pure	function
elements	function	pushmatch	function
entities	data table	raw	function
filter	function	rawroot	function
filterlist	function	rawtex	function
first	function	refatt	function

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

F add

F compare

F flush

F reset

F show

F sort

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

math (basic lua)

abs	function	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	overloadadditions	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	installplugin	function
currentmpx	function	isobject	function
currentmpxstatus	function	lastlog	string
defaultformat	string	load	function
defaultinstance	string	maketext	function
defaultmethod	string	metafun	table
directrun	function	F interpolate	
escaped	function	F topath	
exectime	table	mptopdf	table
extensiondata	data table	F convertmpstopdf	
filterclippath	function	N nofconverted	
flush	function	n	number
flushers	table	nofruns	number
T pdf		nofscriptruns	function
F comment		nvformat	function
F flushfigure		pdfliterals	function
F startfigure		pluginactions	function
F stopfigure		popformat	function
F textfigure		popscriptrunner	function
flushliteral	function	popvariable	function
flushnormalpath	function	popvariables	function
flushreset	function	preparetexttsdata	function
fonts	table	process	function
F define		processplugins	function
T flusher		processspecial	function
F flushfigure		properties	table
F startfigure		pushformat	function
F stopfigure		pushscriptrunner	function
N instances		pushvariable	function
F process		pushvariables	function
format_number	function	reducetogray	boolean
format_string	function	registerscript	function
formatnumber	function	reporterror	function
getclippath	function	reset	function
getextensions	function	resetlastlog	function
getextradata	function	resetplugins	function
getjobdata	function	run	function

runscript	function	svgtemp	function
scripterror	function	svgtopdf	function
scriptindex	function	sxsy	function
setextensions	function	tex	table
setoutercolor	function	F get	
settext	function	F reset	
setvariable	function	F set	
showlog	boolean	F setfrombuffer	
showsvgpage	function	texerrors	boolean
simple	function	texexp	function
splitprescript	function	theclippath	function
startgraphic	function	tographic	function
stopgraphic	function	totable	function
svformat	function	unload	function
svgglyptomp	function	untagvariable	function
svgshapestomp	function	variables	table
svgshapestopdf	function		

mime (extra lua)

b64 function
decode overloaded function
decodet overloaded table
 F base64
 F quoted-printable
dot function
encode overloaded function
encodet overloaded table
 F base64
 F quoted-printable
eol function
normalize overloaded function
qp function

qpwrp function
report function
stuff overloaded function
unb64 function
unqp function
wrap overloaded function
wrapt overloaded table
 F base64
 F default
 F quoted-printable
 F text
wrp function

mp (context)

BackSpace	function	OuterMarginWidth	function
BaselineSkip	function	OverlayDepth	function
BodyFontSize	function	OverlayHeight	function
BottomDistance	function	OverlayLineWidth	function
BottomHeight	function	OverlayOffset	function
BottomSpace	function	OverlayRegion	function
CurrentColumn	function	OverlayWidth	function
CurrentHeight	function	PageDepth	function
CurrentWidth	function	PageFraction	function
CutSpace	function	PageNumber	function
EmWidth	function	PageOffset	function
ExHeight	function	PaperBleed	function
FooterDistance	function	PaperHeight	function
FooterHeight	function	PaperWidth	function
HSize	function	PrintPaperHeight	function
HeaderDistance	function	PrintPaperWidth	function
HeaderHeight	function	RealPageNumber	function
InPageBody	function	RightEdgeDistance	function
InnerEdgeDistance	function	RightEdgeWidth	function
InnerEdgeWidth	function	RightMarginDistance	function
InnerMarginDistance	function	RightMarginWidth	function
InnerMarginWidth	function	SpineWidth	function
LastPageNumber	function	StrutDepth	function
LayoutColumnDistance	function	StrutHeight	function
LayoutColumnWidth	function	SubPageNumber	function
LayoutColumns	function	TextHeight	function
LeftEdgeDistance	function	TextWidth	function
LeftEdgeWidth	function	TopDistance	function
LeftMarginDistance	function	TopHeight	function
LeftMarginWidth	function	TopSkip	function
LineHeight	function	TopSpace	function
MakeupHeight	function	VSize	function
MakeupWidth	function	_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

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

texvar	function	tripletpoints	function
tohash	function	utflen	function
transform	function	utfsub	function
triplet	function	vprint	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	table		F resize
F align			F showtree
F alternates			F tags
F autofences			F unscript
F classes			F unstack
F collapse			F variants
F domains		process	function
F families		processnested	function
F fixscripts		processors	table
F italics		F mlist_to_hlist	
F kernpairs		T unscript	
F makeup		T unstack	
F relocate		processouter	function
F render			

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
kertering	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		getprev	function
T done		getsubtype	function
F handler		gluecodes	data table
T stack		gluevalues	data table
dimensionfields	data table	glyphcodes	data table
dimensions	function	handlers	table
dircodes	data table	F accessibility	
directioncodes	data table	F backgrounds	
directionvalues	data table	F backgroundspage	
dirvalues	data table	F backgroundsvbox	
disccodes	data table	F characters	

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

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

F getshift	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 italicckern
F has_glyph	F kern
F hpack	F latelua
F hyphenating	F leader
F insert_after	F leftmarginkern
F insert_before	F leftskip
F insert_list_after	F lineskip
F is_direct	F literal
F is_display_math	F mathchar
F is_node	F mathtextchar
F is_nut	F negatedglue
F is_zero_glue	F noad
F ischar	F originliteral
F isdone	F outlinerule
F isglyph	F pageliteral
F kerning	F penalty
F last_node	F radical
F leftmarginwidth	F rawliteral
F length	F register
F ligaturing	F restore
F link	F rightmarginkern
F linked	F rightskip
F locate	F rule
F mlist_to_hlist	F save
F nestedtracedslide	F savepos
F new	F setmatrix
T pool	F shrink
F accent	F stretch
F baselineskip	F subbox
F boundary	F sublist
F choice	F temp
F cleanup	F textdir
F delim	F usage
F delimiter	T userids

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

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

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

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

F tovpack		F attribute	
F vpack		T attributes	
unprotect_glyph	function	F box	
unprotect_glyphs	function	F handler	
unset_attribute	function	F markfonts	
unsetattribute	function	F register	
unsetattributes	function	F setfont	
usedlist	function	F setlayer	
usercodes	data table	F setruledglyph	
uses_font	function	F setvisual	
vianodes	function	vpack	function
vianuts	function	whatcodes	data table
visualizebox	function	whatsitcodes	data table
visualizers	table	write	function

number (context)

	function
basepoints	function
bytetodecimal	function
compactfloat	function
decimaltobyte	function
dimenfactors	data table
formatted	function
formattedfloat	function
idiv	function
maxdimen	number
nopts	function
percent	function
points	function
pts	function
signed	function
sparseexponent	function
splitdimen	function
tol6dot16	function
tobasepoints	function

tobitstring	function
tocentimeters	function
tociceros	function
tocontext	function
todidots	function
todimen	function
toevenhex	function
toinches	function
tomillimeters	function
tonewciceros	function
tonewdidots	function
tonumberf	function
tonumberg	function
topicas	function
topoints	function
toscaled	function
toscaledpoints	function
valid	function

objects (context)

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

os (basic lua)

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

pdfc (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

F registerunit

D tables

publications (context)

addtexentry	function	converttoxml	function
analyze	function	currentspecification	table
anywhere	function	S author	
authorcache	data table	T categories	
authorcollapsers	data table	T article	
authorhashers	table	S category	
F invertedshort		T extra	
F normal		T fields	
F normalinverted		S author	
F normalshort		S editor	
F sequential		S journal	
F sequentialshort		S keywords	
F short		S note	
authormap	data table	S number	
authortoregister	function	S pages	
casters	table	S title	
F author		S volume	
F keyword		S year	
F pagenumber		T optional	
F range		T required	
checkeddataset	function	T sets	
citevariants	table	T author	
F author		T virtual	
F authornum		T book	
F authoryear		S category	
F authoryears		T extra	
F category		T fields	
F default		S address	
F entry		S author	
F index		S edition	
F keywords		S editor	
F num		S keywords	
F page		S note	
F short		S number	
F tag		S publisher	
F textnum		S subtitle	
F year		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	F	showtables	
D	sets	F	showvariants	
D	specials		typesetters	table
D	types	F	author	
D	virtuals	F	string	
tags			usedataset	function
tracers	function		usedentries	function
	table		writers	table
F	showdatasetauthors		F	author
F	showdatasetcompleteness		F	keyword
F	showdatasetfields		F	pagenumber
F	showentry		F	range
F	showfields			
F	showhashedauthors			

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

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

 F disable

 F enable

 F handler

categorytonumber data table

colors data table

decomposehangul function

defaults table

 N inter_char_half_shrink_factor

 N inter_char_half_stretch_factor

 N inter_char_hangul_penalty

 N inter_char_quarter_shrink_factor

 N inter_char_quarter_stretch_factor

 N inter_char_shrink_factor

 N inter_char_stretch_factor

 N inter_word_stretch_factor

handlers data table

hash table

injectors data table

inserters table

 F nobreakspace_after

 F nobreakspace_before

 F space_after

 F space_before

 F zerowidthspace_after

 F zerowidthspace_before

installdataset function

installmethod function

numbertocategory data table

numbertodataset data table

numbertohandler data table

reset function

set function

splitters data table

set (context)

contains function

create function

tolist function

tonumber function

totable function

sha2 (context)

HASH256	function
HASH384	function
HASH512	function
digest256	function
digest384	function

digest512	function
hash256	function
hash384	function
hash512	function

sio (context)

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	smtp	table
S resent-message-id	S DOMAIN	
S resent-reply-to	N PORT	
S resent-sender	S SERVER	
S resent-to	N TIMEOUT	
S retry-after	S ZONE	
S return-path	F message	
S sender	F open	
S server	F send	
S smtp-remote-recipient	source	overloaded function
S status	sourcet	overloaded table
S subject	F by-length	
S te	F default	
S to	F http-chunked	
S trailer	F until-closed	
S transfer-encoding	tcp	function
S upgrade	tcp4	function
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	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 digitmaximum		packuc	function
N digitoffset		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	toboollean	function
dump	function	tobytes	function
escapedpattern	function	tocontext	function
escapedquotes	function	todec	function
explode	function	todimen	function
find	function	tohex	function
format	function	tonodes	function
formatter	function	topattern	function
formatters	function	totable	function
fullstrip	function	toutf	function
gmatch	function	tracedchar	function
gsub	function	tracedchars	table
is_boolean	function	unpack	function
is_empty	function	unquote	function
itself	function	unquoted	function
len	function	upper	function
limit	function	utfcharacter	function
longtostring	function	utfcharacters	function
lower	function	utflength	function
match	function	utfpadd	function
nospaces	function	utfpadding	function
nspaces	table	utfvalue	function
optionalquoted	function	utfvalues	function
pack	function	valid	function

structures (context)

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

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

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

- F reset
- 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

- F analyze
- D collected
- F compare

table

- 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

- 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

table

- 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 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 start
F settabulatecell	F stop
F settagdelimitedsymbol	F strip
F settagssubsentencesymbol	D taglist
F setupexport	T usewithcare
F setuserproperties	T images
D specifications	

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
imerged	function	sub	function
insert	function	swapped	function
is_empty	function	tocontext	function
is_simple_table	function	tocsv	function
keys	function	tofile	function
load	function	tohandle	function
loweredkeys	function	tohash	function
makewweak	function	toxml	function
merge	function	twowaymapper	function
merged	function	unique	function
mirrored	function	unnest	function
move	function	unpack	function
ordered	function	values	function
orderedhash	function		

tex (basic tex)

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

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
prtcategories	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	tpbcatcodes	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	vrbcategories	number
setglue	function	write	function
setglyphdata	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 endoffline		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 toboolean
U goto		S todimen
U iftrue		S toglue
U input		S tonumber
		S tostring

create function
defined function
egroup userdata
getters table

F box
 F count
 F dimen
 F glue
 F macro
 F meaning
 F skip
 F token

hbox userdata
isdefined function
istoken function
letter function
letters function
new function
other function
pickup function
presets table

T 1 string
 T 2 strings
 T 3 strings
 T 4 strings
 T 5 strings
 T 6 strings
 T 7 strings
 T 8 strings

printlist function
scanners table

F argument
 F boolean
 F box
 F code
 F conditional
 F count
 F csname
 F dimen
 F dimension
 F float
 F glue
 F hbox
 F integer

F keyword
 F keywordcs
 F list
 F lxmld
 F number
 F real
 F scanclose
 F scanopen
 F string
 F table
 F token
 F tokens
 F toks
 F vbox
 F verbatim
 F vtop
 F whd
 F word

setters table

F box
 F char
 F count
 F dimen
 F glue
 F lua
 F macro
 F skip

shortcuts table

T bits
 N active
 N alignment
 N begingroup
 N character
 N close
 N comment
 N endgroup
 N endofline
 N escape
 N ignore
 N invalid
 N letter
 N mathshift
 N open
 N other

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

U rlap	F glue
U scratchcounter	F macro
U scratchdimen	F meaning
U scratchmuskip	F skip
U scratchskip	F token
U scratchtoken	U hbox
U secondoftwoarguments	F isdefined
U setfalsevalue	F istoken
U setsectionblock	F letter
U setupsystem	F letters
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 scansname
S tostring	F scandimen
F create	F scandimension
F defined	F scanhbox
U egroup	F scaninteger
T getters	F scankeyword
F box	F scankeywordcs
F 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	primitive	function
cs	function	printerror	function
dimen	function	printwarning	function
knownlist	function	showlines	function
lists	table	strings	table
T context		S undefined	
T internals		toks	function
T scratch		type	function
name	function		

trackers (context)

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

typesetters (context)

alignments table

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 (context)

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	modern-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
- U unittotex
- F process_stripped_settings
- F rfc4180splitter
- F runtime
- F settings_to_array
- F settings_to_array_obey_fences
- F settings_to_array_with_repeat
- F settings_to_hash
- F settings_to_hash_colon_too
- F settings_to_hash_strict
- F settings_to_hash_tolerant
- F settings_to_numbers
- F settings_to_set
- F simple_hash_to_string
- F splitmethod
- F splitthousands
- F stepper
- F stripped_settings_to_array
- F totime
- F unittotex
- F unittotxml

randomizer table

- F get
- F getnumber
- F getseed
- F popseed
- F pushseed
- F reuseseed
- F setseed
- F setseedi

report function

sequencers table

- F appendaction
- F appendgroup
- F compile
- F disableaction
- F disablegroup
- F enableaction
- F enablegroup
- D functions
- F localize
- F new
- F nodeprocessor

- F prependaction
- F prependgroup
- F removeaction
- F replaceaction
- F setkind
- F tostring

setters table

- F disable
- F enable
- F initialize
- F list
- F new
- F register
- F report
- F reset
- F show

stacker table

- F new

storage table

- F allocate
- F checked
- F mark
- F marked
- F setinitializer
- F sparse

streams table

- F close
- F getposition
- F getsizes
- F getstring
- F look
- F open
- F openstring
- F read2dot14
- F read2dot4
- 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 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 padding	
addspecialcode	function	F stylevalue	
after	function	F todimension	
all	function	defaulthandlers	table
applylpath	function	D file	
applyselector	function	D parsedxml	
assign	function	D string	
attribute	function	D tex	
badinclusions	function	D texline	
before	function	D texspace	
body	function	D verbose	
builtinentities	table	defaultprotocol	string
B amp		delete	function
B apos		delete_element	function
B gt		despecialized	function
B lt		each	function
B quot		each_element	function
cdata	function	elements	function
cdatatotext	function	elementtocdata	function
checkbom	function	empty	function
checkerror	function	entities	data table
checknamespace	function	erase	function
checkns	function	errorhandler	function
cleansed	function	escaped	function
collect	function	expressions	table
collect_elements	function	F attribute	
collect_tags	function	F boolean	
collect_texts	function	F child	
collected	function	F contains	
collecttexts	function	F count	
content	function	F error	
convert	function	F find	
copy	function	F hasclass	
count	function	F idstring	
cprint	function	F lower	
css	table	F name	
F applyselector		F number	
F colorspecification		F oneof	
F dimension		F print	
F fontspecification		F quit	
F mappedstylevalue		F tag	

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		inheritedconvert	function
F upper		inject	function
F upperall		inject_element	function
F xml		inject_element_after	function
T xml		inject_element_before	function
F all		injectafter	function
F att		injectbefore	function
F attribute		insert	function
F attributes		insert_element	function

insert_element_after	function	registerentity	function
insert_element_before	function	registerns	function
insertafter	function	reindex	function
insertbefore	function	remap_name	function
insertcdata	function	remap_namespace	function
insertcomment	function	remap_tag	function
inspect	function	remapname	function
is_valid	function	remapnamespace	function
kind	function	remaptag	function
last	function	rename	function
lastmatch	function	renamespace	function
load	function	reparsedentitylpeg	userdata
lpath	function	replace	function
lpathcached	function	replace_element	function
lpathcalls	function	resetinjectors	function
lshow	function	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 \	
process_elements	function	S {	
processattributes	function	S	
profiled	table	S }	
pure	function	S ~	
pushmatch	function	specialhandler	table
raw	function	sprint	function

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

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