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boolean buffers builders caches **callback**
callbacks catcodes characters chemistry
commands containers context converters
coroutine ctxrunner **debug** dir dircodes
directives document documentdata drivers
environment experiments ffi figures **file fio**
flate floats **font** fonts functions global
graphics **gzip** images interactions interfaces
io job **lang** languages layouts **lfs** libraries
lmx logs lpdf **lpeg** lua luatex lxml **math**
mathematics **md5** metapost **mime** moduledata
modules mp **mplib** noads **node** nodes number
objects **os package** pagebuilders parametersets
pdf pdfdecode **pdfe** pdfscanner physics
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sandbox scripts set sha2 sio **socket** sorters
statistics **status** storage streams **string**
structures **table tex** texconditionals **texconfig**
texconstants texifs **texio** texisdefined
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tracers trackers typesetters updaters url
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ConTEXT MkIV

global (alias: _G)

CONTEXTLMTXMODE	number	dir	table
FFISUPPORTED	function	dircodes	data table
INITEXMODE	boolean	directives	table
LUAMAJORVERSION	number	document	table
LUAMINORVERSION	number	documentdata	table
LUATEXENGINE	string	dofile	function
LUATEXFORMATID	number	drivers	table
LUATEXFUNCTIONALITY	number	environment	table
LUATEXVERSION	number	error	function
LUAVERSION	number	experiments	table
MP	function	ffi	table
anywhere	function	ffilib	function
arg	table	figures	table
assert	function	file	table
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bit32	table	flushsimplerule	function
blobs	table	font	table
blockrequire	function	fonts	table
boolean	table	frozen	boolean
buffers	table	functions	table
builders	table	getmetatable	function
caches	table	global	table
callback	table	grammar_parsed_text_one_nop	userdata
callbacks	table	grammar_parsed_text_one_yes	userdata
catcodes	table	grammar_parsed_text_two_nop	userdata
characters	table	grammar_parsed_text_two_yes	userdata
checkimage	function	grammar_unparsed_text_nop	userdata
chemistry	table	grammar_unparsed_text_yes	userdata
collectgarbage	function	graphics	table
commands	table	gregorian_to_jalali	function
containers	table	gzip	table
context	function	images	table
converters	table	inspect	function
coroutine	table	interactions	table
createmask	function	interfaces	table
ctxrunner	table	io	table
data	table	ipairs	function
debug	table	jalali_to_gregorian	function
dimen	function	job	table

lang	table	print	function
languages	table	publications	table
layouts	table	pushorientation	function
lfs	table	rawequal	function
libraries	table	rawget	function
lmx	table	rawlen	function
load	function	rawset	function
loadfile	function	readarray	function
loadstring	function	regimes	table
logs	table	require	function
lpdf	table	required	function
lpeg	table	requireswiglib	function
lua	table	resolvers	table
luatex	table	ruledspace	function
lxml	table	sandbox	table
math	table	scripts	table
mathematics	table	select	function
md5	table	set	table
metapost	table	setinspector	function
mime	table	setmetatable	function
moduledata	table	sha2	table
modules	table	shipbox_ref_h	number
mp	function	shipbox_ref_v	number
mplib	table	sio	table
next	function	socket	table
noads	table	sorters	table
node	table	statistics	table
nodes	table	status	table
number	table	storage	table
objects	table	streams	table
optionalrequire	function	string	table
os	table	structures	table
package	table	swiglib	function
pagebuilders	table	table	table
pairs	function	tex	table
parametersets	table	texconditionals	data table
pcall	function	texconfig	table
pdf	table	texconstants	data table
pdfdecode	table	texifs	data table
pdfcfe	table	texio	table
pdfscanner	table	texisdefined	data table
physics	table	texmodes	data table
pngdecode	table	texsystemmodes	data table
poporientation	function	thirddata	table

toboollean	function	utf	table
token	table	utf8	table
tokens	table	utilities	table
tonumber	function	v	string
tostring	function	visualizers	table
tracers	table	warn	function
trackers	table	xcomplex	table
type	function	xmath	table
typesetters	table	xml	table
unpack	function	xpcall	function
updaters	table	zip	table
url	table	zlib	table
userdata	table		

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 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
- 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 rgbtorgray
- 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

define function

effects table

- N attribute
- D data

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

F stop

D values

B supported

backends (context)

closeout function

codeinjections table

F boxresourcedimensions

F registerboxresource

F restoreboxresource

current string

defaults table

T codeinjections

F getpagedimensions

F lmtxmode

F setpagedimensions

T nodeinjections

T registrations

D tables

included table

B context

B date

B id

B metadata

B pdf

install function

latelua function

nodeinjections table

noflatelua function

nothing function

openout function

pdf table

T codeinjections

F addbookmarks

F analyzenormalsymbol

F analyzesymbol

F attachmentid

F bitmap

F clonefield

F copyimage

F definefield

F definefieldset

F defineviewerlayer

F embedfile

F embedimage

F enabletags

F exportformdata

F fieldsurrounding

F flushmergelayer

F getbookmarks

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

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

basexx (context)

decode16 function

decode64 function

decode85 function

decodeLZW function

decodeRL function

encode16 function

encode64 function

encode85 function

encodeLZW function

encodeRL function

bit32 (basic lua)

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

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

blobs (context)

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

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

boolean (context)

tocontext function

tonumber function

buffers (context)

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

builders (context)

checksidefloat function

kernel table

F cleanup

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 keptogether

F registertogether

T solutions

T splitters

F define

F optimize

T registered

F reset

F set

F split

F start

F stop

F tag

profiling table

F add

F distance

F fixedprofile

F get

F list

F pagehandler

F profilebox

F set

vspacing table

F analyze

D categories

F collapsevbox

T data

D map

D skip

D snapmethods

F definesnapmethod

B fixed

F forcepageflush

F forcestrutdepth

F getnofpreviouslines

F pagehandler

F pageoverflow

F popatsame

F pushatsame

F setmap

F setskip

F snapbox

F synchronizepage

F tocategories

F tocategory

F vboxhandler

cache (context)

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 contribute_filter

B define_font

B find_data_file

B find_format_file

B find_log_file

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_data_file

B post_linebreak_filter

B pre_dump

B pre_linebreak_filter

B pre_output_filter

B process_jobname

B read_data_file

B show_error_hook

B show_error_message

B show_lua_error_hook

B show_warning_message

B show_whatsit

B start_file

B start_run

B stop_file

B stop_run

B terminal_input

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

upper	function	weekday	function
verbose	table	word	function
D data		words	function
F translate		year	function

coroutine (basic lua)

close	function
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

data (context)

action	function	prerolled	string
depth	number	width	number
height	number		

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

document (context)

arguments	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 reset
enable	function	T flushers
gethpos	function	F character
getpos	function	F rule
getvpos	function	S name
helpers	table	T pdf
F tomatrix		T actions
install	function	F cleanup
instances	table	F convert
T default		F finalize
T actions		F initialize
F convert		F outputfilename
F outputfilename		F prepare
T flushers		F updatefontstate
S name		F wrapup
T lua		T flushers
T actions		F character
F fetch		F pdfimage
F finalize		F pdfliteral
F initialize		F pdfrestore
F reset		F pdfsave
T flushers		F pdfsetmatrix
F character		F poporientation
F rule		F pushorientation
S name		F rule
T mps		F simplerule
T actions		S name
F fetch		lmtxversion number
F finalize		outputfilename function
F initialize		

environment (context)

argument	function	luafile	function
arguments	data table	luafilechunk	function
basicengines	data table	luatexengine	string
currentrun	number	luatexfunctionality	number
definefilefallback	function	luatexversion	number
definefilesynonym	function	maxnofruns	number
engineflags	data table	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
loadluafile	function		

experiments (context)

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

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)

getposition	function
read2dot14	function
readbytes	function
readbytetable	function
readcardinal1	function
readcardinal1le	function
readcardinal2	function
readcardinal2le	function
readcardinal3	function
readcardinal3le	function
readcardinal4	function
readcardinal4le	function
readcardinaltable	function
readfixed2	function
readfixed4	function
readinteger1	function
readinteger1le	function
readinteger2	function

readinteger2le	function
readinteger3	function
readinteger3le	function
readinteger4	function
readinteger4le	function
readintegertable	function
readline	function
setposition	function
skipposition	function
writecardinal1	function
writecardinal1le	function
writecardinal2	function
writecardinal2le	function
writecardinal3	function
writecardinal3le	function
writecardinal4	function
writecardinal4le	function

flate (context)

flate_compress	function
flate_decompress	function
gz_compress	function
gz_decompress	function

update_adler32	function
update_crc32	function
zip_compress	function
zip_decompress	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
current	function
define	function
each	function
getfont	function

id	function
max	function
nextid	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

T afm

B autoprefixed

D cache

D features

F getkern

T helpdata

D bothkerned

D leftkerned

D ligatures

D rightkerned

D texligatures

F load

T readers

F getinfo

F loadfont

F loadshapes

F setfeatures

B syncspace

N version

T otf

F addfeature

F basemodeinitializer

D cache

F collectlookups

T coverup

T actions

F alternate

F chainposition

F chainsubstitution

F kern

F ligature

F multiple

F pair

F single

F substitution

F register

S stepkey

F dataset

F datasetpositionprocessor

S defaultbasealternate

S defaultnodealternate

D features

F featuresinitializer

F featuresprocessor

F getactualtext

F getalternate

F getgsub

F getkern

F getmultiple

F getstreamhash

F getsubstitution

T handlers

F devanagari_remove_joiners

F devanagari_reorder_matras

F devanagari_reorder_pre_base_reordering_consonants

F devanagari_reorder_reph

F gpos_context

F gpos_contextchain

F gpos_cursive

F gpos_mark2base

F gpos_mark2ligature

F gpos_mark2mark

F gpos_pair

F gpos_single

F gsub_alternate

F gsub_context

F gsub_contextchain

F gsub_ligature

F gsub_multiple

F gsub_reversecontextchain

F gsub_single

F trigger_space_kerns

T helpers

F blockligatures

F pardirstate

F txttdirstate

F load

F loadoutlinedata

F loadstreamdata

F modeinitializer

D pdfcache

F plugininitializer

F pluginprocessor

T plugins

T png

F topdf

D pngcache

B pngenabled	F reversechainedcontextsingl
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 multiple	F readbytes

F readbytetable	F writeinteger2
F readcardinal	F writeinteger2le
F readcardinal1	F writeinteger3
F readcardinal1le	F writeinteger3le
F readcardinal2	F writeinteger4
F readcardinal2le	F writeinteger4le
F readcardinal3	F writestring
F readcardinal3le	F stripredundant
F readcardinal4	F svg
F readcardinal4le	N tableversion
F readcardinaltable	F unifymissing
F readchar	F unpack
F readfixed2	F vhea
F readfixed4	F vmtx
F readinteger	F vorg
F readinteger1	F vvar
F readinteger1le	F woff2otf
F readinteger2	F registerpalette
F readinteger2le	F registerplugin
F readinteger3	F reorderlookups
F readinteger3le	F scriptandlanguage
F readinteger4	F setdynamics
F readinteger4le	F setfeatures
F readintegertable	T statistics
F readsignedbyte	D usedfeatures
F readstring	F storepdfdata
F readtag	T svg
F setposition	F filterglyph
F size	F topdf
F skip	D svgcache
F skiplong	B svgenabled
F skipposition	T tables
F skipshort	D baselines
F writebyte	D features
F writecardinal1	D featuretypes
F writecardinal1le	D languages
F writecardinal2	D scripts
F writecardinal2le	N version
F writecardinal3	T pfb
F writecardinal3le	F loadvector
F writecardinal4	T tfm
F writecardinal4le	D cache
F writeinteger1	D features
F writeinteger1le	N maxnestingdepth

N maxnestingsize	T protrusion
T readers	S auto
F loadpk	S quad
F loadtfm	S scaledpoints
F loadtfmfvf	S scriptpercentage
F loadvfvf	S scriptscriptpercentage
F pktopdf	S size
F showpk	S slantfactor
F reencode	S slantperpoint
F setfeatures	T spacing
N version	S extra
T vf	S shrink
T combinations	S stretch
F combine	S width
T combiner	S units
D commands	S vfactor
D helpers	S width
D math	S xheight
D predefined	T properties
N version	S autoitalicamount
D whatever	S cidinfo
F hashfeatures	T effect
F hashinstance	S 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

- S textitalics
- S virtualized
- D loadedfonts
- S namemode
- N noffontsloaded
- N nofsharedfonts
- N nofsharedhashes
- N nofsharedvectors
- N privateoffset
- D privateslots
- F readanddefine
- F registerfeature
- F resetfeature
- B resolvevirtualtoo
- F scale
- F scaled
- F setfactor
- F setfeature
- F setmathparameter
- F setname
- B sharefonts
- F trytosharefont
- N version

current function
currentid function
definers table

- F addlookup
- F analyze
- F applypostprocessors
- F checkedmode
- F checkedscript
- 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

definetypface 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
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
- T schola-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 paths	
F getprivates		F widthline	
F getprivateslot		F zeroline	
F hasprivate		mp	table
F indextoslot		D cache	
F name		B inline	
F nametoslot		N version	
F prependcommands		names	data table
F prependcommandtable		nulldata	data table
F privateslot		privateoffsets	table
F setdigitwidth		B keepnames	
F splitfontpattern		N mathbase	
F tochar		N mathextrabase	
infofont	function	N textbase	
iterators	table	N textextrabase	
F characters		protrusions	data table
F descriptions		readers	table
F glyphs		F afm	
loggers	table	F check_lua	
F add_placeholders		F check_tfm	
D category_to_placeholder		F lua	
F format		F ofm	
F onetimemessage		F opentype	
F register		F otf	
F reportdefinedfonts		F pfb	
F reportusedfeatures		D sequence	
mappings	table	F tfm	
F addtounicode		F ttc	
F fromunicode16		F ttf	
F loadfile		F woff	
F loadline		reserveid	function
F makenameparser		select	table
D overloads		D alternatives	
F reset		F bodyfont	
F tounicode		D data	
F tounicode16		F default	
F tounicode16sequence		D defaults	
metapost	table	F definefallbackfamily	
F boundingbox		F definefontfamily	
F boxtomp		F definefontfamilypreset	
F draw		D extras	
F fill		F fallback	
F maxbounds		D fallbacks	
F output		F features	

F filefallback		F presetcontext	
F fontdata		F registercontext	
F fontfallback		F showcontext	
F fontsynonym		F splitcontext	
F goodies		D synonyms	
F mathfallback		D variants	
D methods		symbols	table
D presets		T emoji	
F registerfallback		F checked	
F registerfiles		F resolved	
F registerfontalternative		F uselibrary	
F registerfontfamily		tables	table
F textfallback		D data	
F typeface		F savefont	
F typescript		F saveoriginal	
F userdata		tracers	table
specifiers	table	treatments	table
D contextmerged		F applyfixes	
F contextnumber		D data	
D contextnumbers		S filename	
D contextsetups		F ignoredfile	
F contexttostring		F report	
F definecontext		F trace	
F mergecontext		typefaces	table

functions (context)

dummy function

graphics (context)

backgrounds table

- F fetchmultipar
- F pair
- F path
- F point

bitmaps table

- F flush
- F new

F placeholder

F tocontext

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
totable function
types table

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

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

F define

F list	
registernamespace	function
registerscanner	function
scanners	data table
setconstant	function
setcount	function
setdimen	function
setelement	function
setformat	function
setmacro	function
setmessage	function
setmessages	function
settranslation	function
setupstrings	data table
setuserinterface	function
setvalidkeys	function
setvariable	function
showmessage	function
storedscanners	data table
strings	table
syntax	data table
tolist	function
translations	data table
usednamespaces	data table
variables	data table
writestatus	function

io (basic lua)

ask	function	output	overloaded function
bytes	function	pathseparator	string
characters	function	popen	overloaded function
close	function	read	function
copydata	function	readall	function
exists	function	readnumber	function
fileseparator	string	readstring	function
flush	function	savedata	function
input	overloaded function	size	function
lines	overloaded function	stderr	userdata
loadchunk	function	stdin	userdata
loaddata	function	stdout	userdata
loadlines	function	tmpfile	function
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 gettobesaved	
F extend		F getvpos	
F realpage		F hangafter	
F realpageorder		F hangindent	
F setstate		F height	

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

lang (basic tex)

clean	function
clear_hyphenation	function
clear_patterns	function
exceptions	function
gethjcode	function
has_language	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
chdir	overloaded function
currentdir	function
dir	overloaded function
isdir	overloaded function
isfile	overloaded function
isfound	function
isreadabledir	function
isreadablefile	function
iswriteabledir	function

iswriteablefile	function
link	overloaded function
mkdir	overloaded function
makedirs	function
readlink	function
rmdir	overloaded function
setexecutable	function
symlink	function
touch	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
actions	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
convert	function
copyarray	function
copyboolean	function
copyconstant	function
copydictionary	function
copyfloat	function
copyinteger	function
copynumber	function
copystring	function

copyunicode	function
delayedobject	function
destinationspecification	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
finalizeddocument	function
finalizefonts	function
finalizepage	function
finishtransparencycode	function
flags	table
T annotations	
N AutoView	
N Hidden	
N Invisible	
N Locked	

N LockedContents		frombytes	function
N NoRotate		fromeight	function
N NoView		frompdfdoc	function
N NoZoom		fromsixteen	function
N Print		getcatalog	function
N Printable		getcompression	function
N ReadOnly		getfontname	function
N ToggleNoView		getfontobjnumber	function
N auto		getinfo	function
N hidden		getmetadata	function
N printable		getpageproperties	function
T widgets		getversion	function
N Comb		getxformname	function
N CommitOnSelChange		graycode	function
N DoNotScroll		id	function
N DoNotSpellCheck		immediateobj	function
N Edit		includechar	function
N FileSelect		includecharlist	function
N MultiLine		includefont	function
N NoExport		includeimage	function
N NoToggleToOff		injectors	table
N Password		F bitmap	
N PopUp		F jp2	
N PushButton		F jpg	
N Radio		F png	
N RadiosInUnison		injectxmpinfo	function
N ReadOnly		insertxmpinfo	function
N Required		layerreference	function
N RichText		limited	function
N Sort		linearshade	function
N file		literal	function
N fixed		majorversion	function
N nocheck		minorversion	function
N protected		nametree	function
N readonly		nofpages	function
N required		null	function
N sorted		number	function
N unavailable		obj	function
flushers	function	objectcompresslevel	function
flushfonts	function	pagereference	function
flushobject	function	patternstream	function
flushstreamfileobject	function	pdfcolor	function
flushstreamobject	function	pdftimestamp	function
formats	data table	permitdetail	function

print	function	settime	function
procset	function	settrailerid	function
protectresources	boolean	setversion	function
rectangle	function	shareobject	function
reference	function	shareobjectreference	function
registerannotation	function	spotcode	function
registerdestination	function	stream	function
registerdocumentfinalizer	function	string	function
registerfont	function	toeight	function
registerpagefinalizer	function	topdfdoc	function
reserveobject	function	tosixteen	function
rgbcode	function	transparency	function
rotationcm	function	transparencycode	function
setcompression	function	transparencygroups	table
setdates	function	B none	
setmapfile	function	transparencyvalue	function
setmapline	function	unicode	function
setomitcharset	function	usedcharacters	table
setomitcidset	function	verbose	function
setsuppressoptionalinfo	function	vfimage	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		

lua (basic tex)

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

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	min	function
acos	function	mininteger	number
asin	function	mod	function
atan	function	modf	function
atan2	function	odd	function
ceil	function	pi	number
ceiling	function	pow	function
cos	function	rad	function
cosd	function	random	overloaded function
cosh	function	randomseed	function
deg	function	round	function
div	function	setrandomseedi	function
even	function	sin	function
exp	function	sind	function
floor	function	sinh	function
fmod	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
maxinteger	number		

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
dec	function
hex	function

sum	function
sumHEXA	function
sumhexa	function

metapost (context)

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

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

mime (extra lua)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

report function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

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

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

path	function	processingmode	function
pathleft	function	quadruple	function
pathlength	function	quadruplepoints	function
pathpoint	function	quoted	function
pathpoints	function	report	function
pathreset	function	set	table
pathright	function	F path	
place_buffermake	function	setcount	function
place_buffersize	function	setdimen	function
place_bufferslot	function	setmacro	function
place_bufferwipe	function	settoks	function
points	function	size	function
positionanchor	function	string	function
positionbox	function	systemmode	function
positioncurve	function	texstr	function
positionpage	function	texttextanchor	function
positionpath	function	texvar	function
positionpxy	function	tohash	function
positionregion	function	triplet	function
positionwhd	function	tripletpoints	function
positionxy	function	utflen	function
prefix	function	utftsub	function
print	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
check_discretionary	function
copy	function
copy_list	function
count	function
current_attr	function
dimensions	function
direct	table

- F check_discretionaries
- F check_discretionary
- F copy
- F copy_list
- F count
- F current_attr
- F dimensions
- F effective_glue
- F end_of_math
- F find_attribute
- F first_glyph
- F flatten_discretionaries
- F flush_components
- F flush_list
- F flush_node
- F free
- F get_attribute
- F get_properties_table
- F get_synctex_fields
- F getattributelist
- F getboth
- F getbox
- F getchar
- F getcomponents
- F getdata
- F getdepth
- F getdirection
- F getdisc
- F getexpansion
- F getfam
- F getfield
- F getfont
- F getglue

- F getglyphdata
- F getheight
- F getid
- F getkern
- F getlang
- F getleader
- F getlist
- F getnext
- F getnucleus
- F getoffsets
- F getorientation
- F getpenalty
- F getprev
- F getproperty
- F getshift
- F getsub
- F getsubtype
- F getsup
- F getwhd
- F getwidth
- F has_attribute
- F has_field
- F has_glyph
- F hpack
- F hyphenating
- F insert_after
- F insert_before
- F is_char
- F is_direct
- F is_glyph
- F is_node
- F is_valid
- F is_zero_glue
- F kerning
- F last_node
- F length
- F ligaturing
- F mlist_to_hlist
- F naturalwidth
- F new
- F prepend_prevdepth

F protect_glyph	F todirect	
F protect_glyphs	F tonode	
F protrusion_skippable	F toString	
F rangedimensions	F traverse	
F remove	F traverse_char	
F set_attribute	F traverse_glyph	
F set_synctex_fields	F traverse_id	
F setattributelist	F traverse_list	
F setboth	F unprotect_glyph	
F setbox	F unprotect_glyphs	
F setchar	F unset_attribute	
F setcomponents	F usedlist	
F setdata	F uses_font	
F setdepth	F vpack	
F setdirection	F write	
F setdisc	effective_glue	function
F setexpansion	end_of_math	function
F setfam	family_font	function
F setfield	fields	function
F setfont	find_attribute	function
F setglue	first_glyph	function
F setglyphdata	fix_node_lists	function
F setheight	flatten_discretionaries	function
F setkern	flush_list	function
F setlang	flush_node	function
F setleader	free	function
F setlink	get_attribute	function
F setlist	get_properties_table	function
F setnext	getfield	function
F setnucleus	getglue	function
F setoffsets	getproperty	function
F setorientation	has_attribute	function
F setpenalty	has_field	function
F setprev	has_glyph	function
F setproperty	hpack	function
F setshift	hyphenating	function
F setsplit	id	function
F setsub	insert_after	function
F setsubtype	insert_before	function
F setup	is_node	function
F setwhd	is_zero_glue	function
F setwidth	kerning	function
F slide	last_node	function
F tail	length	function

ligaturing	function	tostring	function
make_extensible	function	traverse	function
mlist_to_hlist	function	traverse_char	function
new	function	traverse_glyph	function
prepend_prevdepth	function	traverse_id	function
protect_glyph	function	traverse_list	function
protect_glyphs	function	type	function
protrusion_skippable	function	types	function
rangedimensions	function	unprotect_glyph	function
remove	function	unprotect_glyphs	function
set_attribute	function	unset_attribute	function
setfield	function	usedlist	function
setglue	function	uses_font	function
setproperty	function	values	function
slide	function	vpack	function
subtypes	function	write	function
tail	function		

nodes (context)

accentcodes	data table	effective_glue	function
aligned	function	end_of_math	function
append	function	fencecodes	data table
apply	function	fields	function
applyvisuals	function	fillcodes	data table
astable	function	find_attribute	function
basepoints	function	first_glyph	function
boundarycodes	data table	firstcharacter	function
boxes	table	firstcharinbox	function
F dimensions		firstdirinbox	function
F direct		firstglyph	function
F found		flatten_discretionaries	function
F reset		flush	function
F restore		flush_list	function
F save		flush_node	function
builders	table	free	function
F buildpage_filter		fullhpack	function
F vpack_filter		getattr	function
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	
discretionarycodes	data table	F checkforleaks	

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

mlist_to_hlist

new

noadcodes

noadoptoptions

N axis
N exact
N left
N middle
N no_axis
N right
N set
N unused_1
N unused_2

nodecodes

nopts

nuts

F append
F apply
F applyvisuals
F check_discretionaries
F concat
F copy
F copy_list
F copy_no_components
F copy_node
F copy_only_glyphs
F copy_properties
F copyvisual
F count
F countall
F current_attr
F delete
F dimensions
F effective_glue
F end_of_math
F find_attribute
F first_glyph
F firstcharacter
F firstcharinbox
F firstglyph
F flatten_discretionaries
F flush
F flush_components
F flush_list

function

function

data table

table

data table

function

table

F flush_node
F free
F fullhpack
F get_synctex_fields
F getattr
F getattribute
F getattributelist
F getattrlist
F getboth
F getbox
F getboxglue
F getchar
F getcomponents
F getdata
F getdepth
F getdirection
F getdisc
F getdiscretionary
F getexpansion
F getfam
F getfield
F getfont
F getglue
F getglyphdata
F getheight
F getid
F getkern
F getlang
F getlanguage
F getleader
F getlist
F getnext
F getnucleus
F getoffsets
F getorientation
F getpenalty
F getprev
F getprop
F getruledata
F getshift
F getsub
F getsubtype
F getsup
F getsurround

F getvalue	F fraction
F getwhd	F glue
F getwidth	F gluespec
F has_attribute	F glyph
F has_field	F hlist
F has_glyph	F italicern
F hpack	F kern
F hyphenating	F latelua
F insert_after	F leader
F insert_before	F leftmarginkern
F insert_list_after	F leftskip
F is_direct	F lineskip
F is_display_math	F literal
F is_node	F mathchar
F is_nut	F mathtextchar
F is_zero_glue	F negatedglue
F ischar	F noad
F isdone	F originliteral
F isglyph	F outlinerule
F kerning	F pageliteral
F last_node	F penalty
F leftmarginwidth	F radical
F length	F rawliteral
F ligaturing	F register
F link	F restore
F linked	F rightmarginkern
F locate	F rightskip
F mlist_to_hlist	F rule
F nestedtracedslide	F save
F new	F savepos
T pool	F setmatrix
F accent	F shrink
F baselineskip	F stretch
F boundary	F subbox
F choice	F submlist
F cleanup	F temp
F delim	F textdir
F delimiter	F usage
F direction	T userids
F directliteral	N margins.inline
F disc	N splitters.one
F emptyrule	N splitters.two
F fence	F usernode
F fontkern	F userrule

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

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 rule	
F toinbox		F save	
F toinbox		F savepos	
F unprotect_glyph		F setmatrix	
F unprotect_glyphs		F special	
F unset_attribute		F usage	
F unsetattribute		F vlist	
F unsetattributes		prepend	function
F untracedslide		print	function
F use_components		processors	table
F usedlist		F contribute_filter	
F uses_font		B enabled	
F vianodes		F hpack_filter	
F vianuts		F post_linebreak_filter	
F vpack		F pre_linebreak_filter	
F write		F tracer	
packlist	function	properties	table
penaltycodes	data table	T data	
plugindata	table	protect_glyph	function
F finalizer		protect_glyphs	function
F initializer		protrusion_skippable	function

pts	function	F define	
radicalcodes	data table	F enable	
rangedimensions	function	F handler	
reference	function	show	function
references	table	showboxes	function
N attribute		showcodes	function
T done		showlist	function
F handler		showsimplelist	function
T stack		skipcodes	data table
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	
setglue	function	F freezegroup	
setleader	function	F new	
setlink	function	F prependaction	
setlist	function	F removeaction	
setnext	function	F replaceaction	
setprev	function	F restart	
setunsetattributes	function	F setaction	
shifts	table	F showactions	
D data		F table	

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

uses_font	function	F register	
vianodes	function	F setfont	
vianuts	function	F setlayer	
visualizebox	function	F setruledglyph	
visualizers	table	F setvisual	
F attribute		vpack	function
T attributes		whatcodes	data table
F box		whatsitcodes	data table
F handler		write	function
F markfonts			

number (context)

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

objects (context)

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

os (basic lua)

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

package (basic lua)

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

pdfe (extra tex)

arraytotable	function	getnofpages	function
close	function	getnumber	function
closestream	function	getpage	function
dictionarytotable	function	getpages	function
encryptioncodes	data table	getsize	function
getarray	function	getstatus	function
getboolean	function	getstream	function
getbox	function	getstring	function
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

pngdecode (context)

applyfilter function
expand function

interlace function
splitmask function

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	function	usedataset	function
tracers	table	usedentries	function
F showdatasetauthors		writers	table
F showdatasetcompleteness		F author	
F showdatasetfields		F keyword	
F showentry		F pagenumber	
F showfields		F range	
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 processmkli		setenv	function
F processmkvli		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
opentexfile	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
readcardinal1le	function
readcardinal2	function
readcardinal2le	function
readcardinal3	function
readcardinal3le	function
readcardinal4	function
readcardinal4le	function
readcardinaltable	function

readfixed2	function
readfixed4	function
readinteger1	function
readinteger1_le	function
readinteger2	function
readinteger2_le	function
readinteger3	function
readinteger3_le	function
readinteger4	function
readinteger4_le	function
readintegertable	function

socket (extra lua)

BLOCKSIZE	number	S content-md5
_DATAGRAMSIZE	number	S content-range
_SETSIZE	number	S content-transfer-encoding
_SOCKETINVALID	number	S content-type
bind	function	S cookie
choose	function	S date
connect	function	S diagnostic-code
connect4	function	S dsn-gateway
connect6	function	S etag
dns	table	S expect
F getaddrinfo		S expires
F gethostname		S final-log-id
F getnameinfo		S final-recipient
F tohostname		S from
F toip		S host
gettime	function	S if-match
headers	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 cc		S proxy-authenticate
S comments		S proxy-authorization
S connection		S range
S content-description		S received
S content-disposition		S received-from-mta
S content-encoding		S references
S content-id		S referer
S content-language		S remote-mta
S content-length		S reply-to
S content-location		S reporting-mta

S resent-bcc
 S resent-cc
 S resent-date
 S resent-from
 S resent-message-id
 S resent-reply-to
 S resent-sender
 S resent-to
 S retry-after
 S return-path
 S sender
 S server
 S smtp-remote-recipient
 S status
 S subject
 S te
 S to
 S trailer
 S transfer-encoding
 S upgrade
 S user-agent
 S vary
 S via
 S warning
 S will-retry-until
 S www-authenticate
 S x-mailer
 F lower
 F normalize
http table
 N TIMEOUT
 S USERAGENT
 F genericform
 F open
 F request
newtry function

protect function
report function
select function
sink function
sinkt table
 F close-when-done
 F default
 F http-chunked
 F keep-open
skip function
sleep function
source function
sourcet table
 F by-length
 F default
 F http-chunked
 F until-closed
tcp function
tcp4 function
tcp6 function
tp table
 N TIMEOUT
 F connect
try function
udp function
udp4 function
udp6 function
url table
 F absolute
 F build
 F build_path
 F escape
 F parse
 F parse_path
 F unescape

sorters (context)

basicsorter function

comparers table

F basic

constants table

S defaultdigits

S defaultlanguage

S defaultmethod

N digitmaximum

N digitoffset

N ignoredoffset

N replacementoffset

T validmethods

B ch

B mc

B mm

B pc

B pm

B uc

B zc

B zm

definitions data table

firstofsplit function

packch function

packuc function

replacementlist function

setlanguage function

sort function

splitters table

F utf

strip function

tracers data table

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

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

structures (context)

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

F touserdata		F reordered	
inserts	table	T result	
D data		F savedlistnumber	
F define		F savedlistprefixednumber	
F getdata		F savedlisttitle	
F getlocation		D sectionblocks	
F getname		F sectionnumber	
F getnumber		F size	
F setlocation		F title	
F setup		D tobesaved	
D stored		F userdata	
itemgroups	table	F uservalue	
lists	table	marks	table
F addto		D data	
F analyze		F define	
B autoreorder		F exists	
D cached		F fetch	
D collected		F fetchallmarks	
F discard		F fetched	
F enhance		F fetchonemark	
T enhancers		F fetchtwomarks	
F filter		F get	
F 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 numbers
- F ordered
- F postpone
- F resetpostponed
- F restore
- F save
- F setstate
- D states
- F store

pages table

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

references table

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

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

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

registers

- F analyze
- D collected
- F compare
- F define

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

sections

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

table

table

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

F settabulatecell
F settagdelimitedsymbol
F settagsubsentencesymbol
F setupexport
F setuserproperties
D specifications

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

table (basic lua)

allkeys	function	pack	function
append	function	prepend	function
are_equal	function	print	function
collapsed	function	remove	function
collapsedhash	function	reverse	function
compact	function	reversed	function
concat	function	save	function
contains	function	sequenced	function
copy	function	serialize	function
count	function	setmetatablecall	function
derive	function	setmetatableindex	function
deserialize	function	setmetatableindices	function
drop	function	setmetatablekey	function
fastcopy	function	setmetatablenewindex	function
fastserialize	function	sort	function
filtered	function	sorted	function
flattened	function	sortedhash	function
fromhash	function	sortedhashkeys	function
getmetatablekey	function	sortedhashonly	function
getn	function	sortedindexonly	function
has_one_entry	function	sortedkeys	function
hashed	function	sortedpairs	function
identical	function	sparse	function
imerge	function	strip	function
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	gethelpctx	function
F getbox		getinteraction	function
F getdimensions		getlccode	function
F save		getlist	function
F use		getlocallevel	function
catcode	table	getmath	function
conditionals	data table	getmathcode	function
constants	data table	getmathcodes	function
count	table	getmuglue	function
cprint	function	getmuskip	function
ctdcatcodes	number	getnest	function
ctxcatcodes	number	getpagestate	function
definefont	function	getsfcode	function
delcode	table	getskip	function
dimen	table	gettoks	function
directives	data table	getuccode	function
enableprimitives	function	glue	table
error	function	hashtokens	function
extraprimitives	function	ifs	data table
fatalerror	function	inimatcodes	number
fontidentifier	function	isattribute	function
fontname	function	isbox	function
force_synctx_line	function	iscount	overloaded function
force_synctx_tag	function	isdefined	function
forcehmode	function	isdimen	overloaded function
fprint	function	isglue	function
get	function	ismuglue	function
get_synctx_line	function	ismuskip	overloaded function
get_synctx_mode	function	isskip	overloaded function
get_synctx_tag	function	istoken	function
getattribute	function	istoks	function
getbox	function	lccode	table
getboxresourcebox	function	linebreak	function
getboxresourcedimensions	function	lists	table
getcatcode	function	luacatcodes	number
getcount	function	magicconstants	table
getdelcode	function	N maxdimen	
getdelcodes	function	N running	

<code>N trueinch</code>		<code>setlist</code>	<code>function</code>
<code>mathcode</code>	<code>table</code>	<code>setmath</code>	<code>function</code>
<code>modes</code>	<code>data table</code>	<code>setmathcode</code>	<code>function</code>
<code>muglue</code>	<code>table</code>	<code>setmathdir</code>	<code>function</code>
<code>muskip</code>	<code>table</code>	<code>setmuglue</code>	<code>function</code>
<code>nest</code>	<code>table</code>	<code>setmuskip</code>	<code>function</code>
<code>nilcatcodes</code>	<code>number</code>	<code>setnest</code>	<code>function</code>
<code>notcatcodes</code>	<code>number</code>	<code>setpardir</code>	<code>function</code>
<code>number</code>	<code>function</code>	<code>setsfcode</code>	<code>function</code>
<code>primitives</code>	<code>function</code>	<code>setskip</code>	<code>function</code>
<code>print</code>	<code>function</code>	<code>settctxdir</code>	<code>function</code>
<code>prtcacodes</code>	<code>number</code>	<code>settoks</code>	<code>function</code>
<code>resetparagraph</code>	<code>function</code>	<code>setuccode</code>	<code>function</code>
<code>romannumeral</code>	<code>function</code>	<code>sfcode</code>	<code>table</code>
<code>round</code>	<code>function</code>	<code>shipout</code>	<code>function</code>
<code>runtoks</code>	<code>function</code>	<code>show_context</code>	<code>function</code>
<code>saveboxresource</code>	<code>function</code>	<code>skip</code>	<code>table</code>
<code>scale</code>	<code>function</code>	<code>sp</code>	<code>function</code>
<code>scantoks</code>	<code>function</code>	<code>splitbox</code>	<code>function</code>
<code>set</code>	<code>function</code>	<code>sprint</code>	<code>function</code>
<code>set_synctex_line</code>	<code>function</code>	<code>systemmodes</code>	<code>data table</code>
<code>set_synctex_mode</code>	<code>function</code>	<code>takebox</code>	<code>function</code>
<code>set_synctex_no_files</code>	<code>function</code>	<code>texcatcodes</code>	<code>number</code>
<code>set_synctex_tag</code>	<code>function</code>	<code>toks</code>	<code>table</code>
<code>setattribute</code>	<code>function</code>	<code>tpacatcodes</code>	<code>number</code>
<code>setbox</code>	<code>function</code>	<code>tpbcatcodes</code>	<code>number</code>
<code>setboxdir</code>	<code>function</code>	<code>tprint</code>	<code>function</code>
<code>setcatcode</code>	<code>function</code>	<code>trackers</code>	<code>data table</code>
<code>setcount</code>	<code>function</code>	<code>triggerbuildpage</code>	<code>function</code>
<code>setdelcode</code>	<code>function</code>	<code>txtcatcodes</code>	<code>number</code>
<code>setdimen</code>	<code>function</code>	<code>type</code>	<code>function</code>
<code>setglue</code>	<code>function</code>	<code>uccode</code>	<code>table</code>
<code>setglyphdata</code>	<code>function</code>	<code>uprint</code>	<code>function</code>
<code>setinteraction</code>	<code>function</code>	<code>useboxresource</code>	<code>function</code>
<code>setlccode</code>	<code>function</code>	<code>vrbcacodes</code>	<code>number</code>
<code>setlinedir</code>	<code>function</code>	<code>write</code>	<code>function</code>

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
write function

write_nl function

token (basic tex)

biggest_char	function	new	function
command_id	function	put_next	function
commands	function	scan_argument	function
create	function	scan_char	function
expand	function	scan_code	function
future_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_token_code	function
get_next_token	function	scan_tokenlist	function
get_protected	function	scan_toks	function
get_tok	function	scan_word	function
gobble_dimen	function	set_char	function
gobble_int	function	set_lua	function
is_defined	function	set_macro	function
is_next_char	function	to_string	function
is_token	function	type	function

tokens (context)

astable function
bggroup userdata
bits table

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
N space
N subscript
N superscript
N whitespace

cache table

U NC
U NR
U bf
U color
U colordefalc
U colordefflc
U colordefflt
U colordefrlt
U dofinishreference
U dostarttext
U finishjob
U firstofoneargument
U firstoftwoarguments
U gobbleoneargument
U goto
U iftrue
U input

U loadfoundtypescriptfile
U resetctxscanner
U rlap
U scratchcounter
U scratchdimen
U scratchmuskip
U scratchskip
U scratchtoken
U secondoftwoarguments
U setfalsevalue
U setsectionblock
U setupsystem
U startcolumns
U starttabulate
U starttitle
U startxtitle
U stopcolumns
U stoptabulate
U stoptitle
U stopxtitle
U texsetup
U xmlw

collectors table

T data
F defaultwords
F dowithwords
F flush
F install
F register
T registered
F show
F test

commands data table

compile function

constant function

converters table

S toboolean
S todimen
S toglue
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 code
 F conditional
 F count
 F csname
 F dimen
 F dimension
 F float
 F glue
 F integer
 F keyword
 F keywordcs

F list
 F lxmlid
 F number
 F real
 F scanclose
 F scanopen
 F skip
 F string
 F table
 F token
 F tokencode
 F tokenlist
 F tokens
 F toks
 F verbatim
 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

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

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 scanclose
S toboolean	F scancode
S todimen	F scanconditional
S toglue	F scansname
S tonumber	F scandimen
S tostring	F scandimension
F create	F scaninteger
F defined	F scankeyword
U egroup	F scankeywordcs
T getters	F scanlist
F box	F scannumber
F count	F scanopen
F dimen	F scanstring
F glue	F scantable
F macro	F scantokenlist
F meaning	F scanverbatim
F skip	F scanword
F token	F toboolean

F todimen	F tonumber
F tonumber	F tostring
F tostring	vbox userdata
U vbox	vtop userdata
U vtop	

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			T handlers
F set			F installhandler
breakpoints	table		F processmath
F define			F set
F handler			F setcolor
D mapping			F setmath
T methods			F tomode
T numbers			firstlines
F set		table	
F setreplacement			T actions
cases	table		F default
T actions			F line
F handler			F word
F register			F handler
F set			F set
characteralign	table		fontkerns
F handler			table
F resetcharacteralign			F handler
F setcharacteralign			initials
characters	table		table
F handler			T actions
T methods			F default
F replacenbsp			F addanchortoline
F replacenbspaces			F addtoline
checkers	table		F calculatedelta
F handler			F checkline
F reset			F handler
F set			F moveinline
cleaners	table		F normalize
F handler			F set
F set			injectors
digits	table		table
T actions			F check
F handler			T list
F set			F mark
directions	table		F reset
F getfences			F set
F getglobal			F show
F getmethod			italics
F handler		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 readcardinal1le
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 readinteger1le
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 writecardinal1
F writecardinal1le
F writecardinal2
F writecardinal2le
F writecardinal3
F writecardinal3le
F writecardinal4
F writecardinal4le
F writeinteger1
F writeinteger1le
F writeinteger2
F writeinteger2le
F writeinteger3
F writeinteger3le
F writeinteger4
F writeinteger4le
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

packers table

- F hashed
- F new
- F pack
- F simplehashed
- F strip
- F unpack
- N version

parsers table

- F add_settings_to_array
- F arguments_to_table
- F array_to_string
- F csvsplitter
- F getparameters
- F groupedsplitat
- F hash_to_string
- T hashes
 - T settings_to_set
 - T min,max,fit,broad,auto
 - B auto
 - B broad
 - B fit
 - B max
 - B min
- T text,hidden,paper,page,leftpage,rightpage
 - B hidden
 - B leftpage
 - B page
 - B paper

- B rightpage
- B text
- F iterator
- F keq_to_hash
- F listitem
- F make_settings_to_hash_pattern
- F mergehashes
- F options_to_array
- F options_to_hash
- T patterns
 - U settings_to_array
 - U settings_to_hash_a
 - U settings_to_hash_b
 - 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		F open	
report	function	F openstring	
sequencers	table	F read2dot14	
F appendaction		F read2dot4	
F appendgroup		F readbyte	
F compile		F readbytes	
F disableaction		F readbytetable	
F disablegroup		F readcardinal	
F enableaction		F readcardinal1	
F enablegroup		F readcardinal2	
D functions		F readcardinal2le	
F localize		F readcardinal3	
F new		F readcardinal3le	
F nodeprocessor		F readcardinal4	
F prependaction		F readcardinal4le	
F prependgroup		F readcardinaltable	
F removeaction		F readchar	
F replaceaction		F readfixed2	
F setkind		F readfixed4	
F tostring		F readinteger	
setters	table	F readinteger1	
F disable		F readinteger2	
F enable		F readinteger2le	
F initialize		F readinteger3	
F list		F readinteger3le	
F new		F readinteger4	
F register		F readinteger4le	
F report		F readintegertable	
F reset		F readsignedbyte	
F show		F readstring	
stacker	table	F setposition	
F new		F size	
storage	table	F skip	
F allocate		F skipbytes	
F checked		F skiplong	
F mark		F skipshort	
F marked		strings	table
F setinitializer		F collapse	
F sparse		F collapsecrlf	
streams	table	T formatters	
F close		F add	
F getposition		F new	
F getstring		F newcollector	
F look		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
zipfiles table
 F close
 F found
 F gunzipfile
 F hash
 F list
 F open
 F unzip
 F unzipdir
 F zipdir

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		

xcomplex (context)

I	userdata	F pow
__add	function	F proj
__div	function	F real
__eq	function	F sin
__index	table	F sinh
U I		F sqrt
F __add		F tan
F __div		F tanh
F __eq		F topair
T __index		F tostring
U I		F voigt
F __add		F voigt_hwhm
F __div		F __mul
F __eq		S __name
F __mul		F __pow
S __name		F __sub
F __pow		F __tostring
F __sub		F __unm
F __tostring		F abs
F __unm		F acos
F abs		F acosh
F acos		F arg
F acosh		F asin
F arg		F asinh
F asin		F atan
F asinh		F atanh
F atan		F conj
F atanh		F cos
F conj		F cosh
F cos		F dawson
F cosh		F erf
F dawson		F erfc
F erf		F erfcx
F erfc		F erfi
F erfcx		F exp
F erfi		U i
F exp		F imag
U i		F log
F imag		F new
F log		F pow
F new		F proj

F real		cos	function
F sin		cosh	function
F sinh		dawson	function
F sqrt		erf	function
F tan		erfc	function
F tanh		erfcx	function
F topair		erfi	function
F tostring		exp	function
F voigt		i	userdata
F voigt_hwhm		imag	function
__mul	function	log	function
__name	string	new	function
__pow	function	pow	function
__sub	function	proj	function
__tostring	function	real	function
__unm	function	sin	function
abs	function	sinh	function
acos	function	sqrt	function
acosh	function	tan	function
arg	function	tanh	function
asin	function	topair	function
asinh	function	tostring	function
atan	function	voigt	function
atanh	function	voigt_hwhm	function
conj	function		

xmath (context)

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

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 boolean	
collect_tags	function	F child	
collect_texts	function	F contains	
collected	function	F count	
collecttexts	function	F error	
content	function	F find	
convert	function	F hasclass	
copy	function	F idstring	
count	function	F lower	
cprint	function	F name	
css	table	F number	
F applyselector		F oneof	
F colorspecification		F print	
F dimension		F quit	
F fontspecification		F tag	
F mappedstylevalue		F text	

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

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

zip (extra lua)

archives

table

closearchive

function

openarchive

function

registeredfiles

table

zlib (extra lua)

adler32	function
compress	function
compressobj	function
crc32	function

decompress	function
decompressobj	function
version	function