

MP attributes backends **basexx** **bit32** blobs boolean buffers
builders caches **callback** callbacks catcodes characters chemistry
commands containers context converters **coroutine** ctxrunner **debug**
dir directives document documentdata drivers environment
experiments figures **file** **fio** floats **font** fonts functions global
graphics **gzip** images interactions interfaces **io** job language
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 optional **os** **package**
pagebuilders parametersets **pdf** **pdfdecode** **pdfe** physics **pngdecode**
publications regimes resolvers sandbox scripts set **sha2** **sio**
socket sorters statistics **status** storage streams **string**
structures **table** **tex** texconditionals **texconfig** texconstants
texifs **texio** texisdefined texmodes texsystemmodes thirddata
token tokens tracers trackers typesetters updaters url userdata
utf8 utilities visualizers **xcomplex** **xdecimal** **xmath** xml **xzip** **zip**
zlib

ConTEXT LMTX

global (alias: _G)

CONTEXTLMTXMODE	number
FFISUPPORTED	boolean
INITEXMODE	boolean
LUAMAJORVERSION	number
LUAMINORVERSION	number
LUATEXENGINE	string
LUATEXFORMATID	number
LUATEXFUNCTIONALITY	number
LUATEXVERSION	number
LUAVERSION	number
MP	function
arg	table
assert	function
attributes	table
backends	table
basexx	table
bit32	table
blobs	table
blockrequire	function
boolean	table
buffers	table
builders	table
caches	table
callback	table
callbacks	table
catcodes	table
characters	table
checkimage	function
chemistry	table

collectgarbage	function
commands	table
containers	table
context	function
converters	table
coroutine	table
createmask	function
ctxrunner	table
data	table
debug	table
dimen	function
dir	table
directives	table
document	table
documentdata	table
dofile	function
drivers	table
environment	table
error	function
experiments	table
figures	table
file	table
fio	table
floats	table
flushfontchar	function
flushsimplerule	function
flushspecialrule	function
font	table
fonts	table

functions	table
getmetatable	function
getrpos	function
getscriptstatus	function
global	table
graphics	table
grid_to_mp	function
gzip	table
images	table
inspect	function
interactions	table
interfaces	table
io	table
ipairs	function
job	table
language	table
languages	table
layouts	table
lfs	table
libraries	table
lmx	table
load	function
loadfile	function
loadstring	function
logs	table
lpdf	table
lpeg	table
lua	table
luatex	table
lxml	table
math	table
mathematics	table

md5	table
metapost	table
mime	table
moduledata	table
modules	table
mp	function
mplib	table
next	function
noads	table
node	table
nodes	table
number	table
objects	table
optional	table
optionalrequire	function
os	table
package	table
pagebuilders	table
pairs	function
parametersets	table
pcall	function
pdf	table
pdfdecode	table
pdfe	table
physics	table
pngdecode	table
poporientation	function
print	function
publications	table
pushorientation	function
rawequal	function
rawget	function

rawlen	function
rawset	function
readarray	function
regimes	table
require	function
required	function
resolvers	table
ruledspace	function
sandbox	table
scanarray	function
scanhash	function
scripts	table
select	function
set	table
setinspector	function
setmetatable	function
sha2	table
shipbox_ref_h	number
shipbox_ref_v	number
sio	table
socket	table
sorters	table
statistics	table
status	table
storage	table
streams	table
string	table
structures	table
table	table
tex	table
texconditionals	data table
texconfig	table

texconstants	data table
texifs	data table
texio	table
texisdefined	data table
texmodes	data table
texsystemmodes	data table
thirddata	table
toboolean	function
todecimal	function
token	table
tokens	table
tonumber	function
tostring	function
tracers	table
trackers	table
type	function
typesetters	table
unpack	function
updaters	table
url	table
userdata	table
utf	table
utf8	table
utilities	table
visualizers	table
warn	function
xcomplex	table
xdecimal	table
xmath	table
xml	table
xpcall	function
xzip	table

zip
zlib

table
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 defineprocesscolordirect
F definesimplegray
F definespotcolor
F definetransparency
F enable
F filter

N forced
F forcedmodel
F forcesupport
F formatcolor
F formatgray
F getpagecolormodel
F gray
F graytohsb
F handler
T helpers
F complement
F inbetween
F justone
F hsvtorgb
F hsbtohsb
F hwbtohsb
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 rgbtorgay
 F rgbtohsb
 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
 F handler

F register
 D registered
 D values

handlers table
list data table
markasoverload function
names data table
negatives table

N attribute
 D data
 F enable
 F handler
 F register
 D registered
 F set

numbers data table
ofnode function
private function
public function
restore function
save function
showcurrent function
states table

F disabletriggering
 F enabletriggering
 F finalize
 F initialize
 F process
 F selective
 F stacked
 F stacker

system function

tooverloads function
transparencies table
 N attribute
 D data
 F enable
 F forcesupport
 F handler
 T names
 N color
 N colorburn
 N colordodge
 N darken
 N difference
 N exclusion
 N hardlight
 N hue
 N lighten
 N luminosity
 N multiply
 N none
 N normal
 N overlay
 N saturation
 N screen
 N softlight
N none
F register
D registered
B supported

 F toattribute
 B triggering
 F value
 D values
unsetvalue number
viewerlayers table
 N attribute
 F cleanup
 D data
 F define
 F definedlayoutcomponent
 F enable
 F forcesupport
 F handler
 B hasorder
 D listwise
 F register
 D registered
 F resolve_begin
 F resolve_end
 F resolve_reset
 F resolve_step
 D scopes
 F setfeatures
 F start
 F stop
 B supported
 D values

backends (context)

closeout function

codeinjections table

F boxresourcedimensions

F registerboxresource

F restoreboxresource

current string

defaults table

T codeinjections

F getpagedimensions

F getpageorigin

F lmtxmode

F setpagedimensions

F setpageorigin

T nodeinjections

T registrations

D tables

getcallbackstate function

included table

B context

B date

B id

B metadata

B pdf

install function

latelua function

nodeinjections table

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 getidentityvariable

F getinfo

F getpreviewfigure

F insertrenderingwindow

F maptag

F mergebookmarks

F mergecomments

F mergefields
F mergereferences
F mergeviewerlayers
F newimage
F prerollreference
F presetsymbol
F presetsymbollist
F processrendering
F registerdocumentcloseaction
F registerdocumentopenaction
F registeredsymbol
F registerpagecloseaction
F registerpageopenaction
F registersymbol
F scanimage
F setattachmentsupport
F setfieldcalculationset
F setfigurealternative
F setfigurecolorspace
F setfiguremask
F setformat
F setformsmethod
F setpagetransition
F settaggingsupport
F setupcanvas
F setupidentity
F setxmpfile
F startlayer
F startunicodetoactualtext
F startunicodetoactualtextdirect
F stoplayer
F stopunicodetoactualtext

F stopunicodetoactualtextdirect
F supportedformats
F unicodetoactualtext
F useviewerlayer
F validfield
F validfieldcategory
F validfieldset
F wrapimage
S comment
T nodeinjections
F addtags
F annotation
F attachfile
F changestackedlayer
F cmykcolor
F comment
F destination
F effect
F graycolor
F injectbitmap
F insertmovie
F insertsound
F insertswf
F insertu3d
F knockout
F negative
F overprint
F positive
F reference
F rgbcolor
F spotcolor
F startlayer

F startstackedlayer	F rgbindexcolor	
F stoplayer	F rgbspotcolor	
F stopstackedlayer	F spotcolorname	
F transparency	F transparency	
F typesetfield	T tables	
T registrations	D vfspecials	
F cmykindexcolor	registrations	table
F cmykspotcolor	tables	table
F getspotcolorreference	timestamp	function
F grayindexcolor	writeout	function
F grayspotcolor		

basexx (extra lua)

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
assign	function
collectcontent	function
erase	function
exists	function
get	function
getcontent	function
getlines	function
gettexbuffer	function
loadcontent	function
parallel	table

F define	
F hassomecontent	
F next	
F place	
F reset	
F save	
prepend	function
raw	function
run	function
samplefile	function
undent	function

builders (context)

checksidefloat function

kernel table

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

paragraphs table

- T constructors
 - N attribute
 - F define
 - F disable
 - F enable
 - F handler
- T methods
 - F basic
 - F default
 - F hpack
 - F oneline
- D names
- D numbers
- F set
- F start
- F stop
- T expansion
 - F trace
- F kepttogether
- F registertogether
- T solutions

- T splitters
 - F define
 - F optimize
- T registered
 - F reset
 - F set
 - F split
 - F start
 - F stop

F tag

profiling table

- F add
- F distance
- F fixedprofile
- F get
- F list
- F pagehandler
- F profilebox
- F set

vspacing table

- F analyze
- D categories
- F checkstrutdepth
- F collapsevbox
- T data
 - D map
 - D skip
 - D snapmethods
- F definesnapmethod

B fixed
F forcepageflush
F forcestrutdepth
F getnofpreviouslines
F inject
F injectdisable
F injectpenalty
F injectskip
F pagehandler
F pageoverflow

F popatsame
F pushatsame
F setmap
F setskip
F snapbox
F synchronizepage
F tocategories
F tocategory
F vboxhandler

cache (context)

base	string
collapsecontent	function
configfiles	function
contentstate	function
defaults	table
getfirstreadablefile	function
getreadablepaths	function
getwritablepath	function
hashed	function
is_writable	function

loadcontent	function
loaddata	function
more	string
savecontent	function
savedata	function
setfirstwritablefile	function
setluanames	function
treehash	function
usedpaths	function

callback (basic tex)

find function
known function
list function

register overloaded function
usage 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 begin_paragraph

B build_page_insert

B buildpage_filter

B contribute_filter

B define_font

B find_format_file

B find_log_file

B handle_overload

B hpack_filter

B hpack_quality

B hyphenate

B insert_par

B intercept_lua_error

B intercept_tex_error

B kerning

B ligaturing

B linebreak_filter

B make_extensible

B mlist_to_hlist

B open_data_file

B post_linebreak_filter

B pre_dump

B pre_linebreak_filter

B pre_output_filter

B process_jobname

B show_error_message

B show_lua_call

B show_warning_message

B show_whatsit

B start_file

B start_run

B stop_file

B stop_run

B trace_memory

B vpack_filter

B vpack_quality

B wrapup_run

catcodes (context)

names data table

numbers data table

register function

characters (context)

activeoffset	number
adobename	function
bidi	data table
blockrange	function
blocks	data table
casemap	table
categories	data table
category	function
categorytags	data table
classifiers	table
collapsed	data table
contextname	function
csletters	data table
data	data table
decomposed	data table
description	function
descriptions	data table
detailltags	data table
directions	table
emoji	table
F compact	
F known	
F resolve	
emojized	function
encodes	data table
entities	data table
fallbacks	data table
filters	data table
fractions	table

fromnumber	function
fschars	data table
fscodes	data table
getrange	function
graphemes	data table
hangul	data table
indicgroups	table
T above_mark	
T after_half	
T after_main	
T after_postscript	
T after_subscript	
T anudatta	
T before_half	
T before_main	
T before_postscript	
T before_subscript	
T below_mark	
T consonant	
T dependent_vowel	
T halant	
T independent_vowel	
T nukta	
T post_mark	
T pre_mark	
T ra	
T stress_tone_mark	
T twopart_mark	
T vowel_modifier	

initialize	function
is_character	data table
is_command	data table
is_letter	data table
is_mark	data table
is_punctuation	data table
is_spacing	data table
is_symbol	data table
lcchars	data table
lccode	function
lccodes	data table
lettered	function
lhash	data table
linebreaks	data table
lower	function
mathlists	data table
mirrors	table
otfscripts	data table
private	table
ranges	data table
registerentities	function
remap_hangul_syllable	function
setactivecatcodes	function
setlettercatcodes	function
shape	function
shaped	function
shash	data table

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

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
undefine	function

containers (context)

cleanname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

A	function
A:es	function
A:ru	function
A:sl	function
AK	function
Alphabetic	function
Alphabetic:es	function
Alphabetic:ru	function
Alphabetic:sl	function
Character	function
Characters	function
I	function
KA	function
KR	function
R	function
RK	function
Romannumerals	function
Russiannumerals	function
Sloveniannumerals	function
Spanishnumerals	function
Word	function
Words	function
a	function
a:es	function
a:ru	function
a:sl	function
abjadnodotnumerals	function
abjadnumerals	function
alphabetic	function

alphabetic:es	function
alphabetic:ru	function
alphabetic:sl	function
character	function
characters	function
chineseallnumerals	function
chinesecapnumerals	function
chinesenumerals	function
chr	function
chrs	function
cn	function
cn-a	function
cn-c	function
convert	function
decimals	function
define	function
gregorian_to_hebrew	function
gregorian_to_jalali	function
hebrewnumerals	function
helpers	table
hexstringtonumber	function
i	function
isleapyear	function
jalali_to_gregorian	function
lhexnumber	function
lhexnumbers	function
leapyear	function
lower	function
max	function

maxchars	function
nicenumber	function
nofdays	function
number	function
numbers	function
octnumber	function
octstringtonumber	function
ordinal	function
r	function
rawcharacter	function
romannumerals	function
russiannumerals	function
sequences	data table
settime	function
sloveniannumerals	function
spaceddigits	function

spanishnumerals	function
texttime	function
toabjad	function
tochinese	function
tohebrew	function
toroman	function
totime	function
uchexnumber	function
uchexnumbers	function
upper	function
verbose	table
D data	
F translate	
weekday	function
word	function
words	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		

debug (basic lua)

getinfo function
sethook function

traceback function

dir (context)

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

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

directives (context)

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

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

document (context)

arguments	data table
files	table
functions	table
getargument	function
getfilename	function
options	table

- T commandline
 - D environments
 - D modes
 - D modules
- T ctxfile
 - D environments

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

documentdata (context)

variable function

drivers (context)

convert function

converters table

- F engine
- F lmtx

enable function

gethpos function

getpos function

getrpos function

getvpos function

helpers table

- F tomatrix

install function

instances table

- T default
 - T actions
 - F convert
 - F outputfilename
- S name

T empty

- T actions
 - F convert
 - F prepare
- T flushers
- S name

T js

- T actions
 - F cleanup
 - F convert

- F finalize
- F initialize
- F outputfilename
- F prepare
- F wrapup

T flushers

- F character
- F rule
- F simplerule
- F specialrule
- F updatefontstate

S name

T json

- T actions
 - F cleanup
 - F convert
 - F finalize
 - F initialize
 - F outputfilename
 - F prepare
 - F wrapup
- T flushers
 - F character
 - F rule
 - F simplerule
 - F specialrule
 - F updatefontstate
- S name

T lua

T actions
 F cleanup
 F convert
 F finalize
 F initialize
 F outputfilename
 F prepare
 F wrapup
 T flushers
 F character
 F rule
 F simplerule
 F specialrule
 F updatefontstate
 S name
 T mps
 T actions
 F cleanup
 F convert
 F finalize
 F initialize
 F outputfilename
 F prepare
 F wrapup
 T flushers
 F character
 F rule
 F simplerule
 F specialrule
 F updatefontstate
 S name
 T none

T actions
 T flushers
 S name
 T pdf
 T actions
 F cleanup
 F convert
 F finalize
 F initialize
 F outputfilename
 F prepare
 F wrapup
 T flushers
 F character
 F fontchar
 F group
 F image
 F literal
 F poporientation
 F pushorientation
 F restore
 F rule
 F save
 F setmatrix
 F simplerule
 F specialrule
 F updatefontstate
 S name
lmtxversion number
outputfilename function
report function

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	oldhome	string
filename	string	originalarguments	data table
filenames	table	outputfilename	string
files	table	ownbin	string
filesynonyms	data table	ownmain	string
forcedruns	number	ownname	string
getargument	function	ownpath	string
homedir	string	prerollrun	boolean
initex	boolean	rawarguments	data table
initexmode	boolean	reconstructcommandline	function
initializearguments	function	relativepath	function
initializefilenames	function	setargument	function
inputfilebarename	string	splitarguments	function
inputfilename	string	suffix	string
inputfilesuffix	string	texfile	function
jobfilefullname	string	texmfos	string
jobfilename	string	texos	string
jobfilesuffix	string	texroot	string
jobname	string	truefilename	function
kindofrun	number	uselua module	function
lmtxmode	number	usemodules	function
loadexamodes	function	validengines	data table
loadluafile	function	version	string

experiments (context)

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

register	function
report	function
reset	function
show	function
value	function

figures (context)

applyratio	function
badname	function
bases	data table
bitmapimage	function
boxnumber	number
cachepaths	data table
check	function
checkers	data table
converters	data table
current	function
defaultdepth	number
defaultheight	number
defaultsearch	boolean
defaultwidth	number
done	function
dummy	function
existsers	data table
exists	function
formats	data table
found	data table
get	function
getinfo	function
getpdfinfo	function
getrealpage	function
guess	function
guessfromstring	function
hash	function
identifiers	data table
identify	function

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

includers	data table
initialize	function
loaded	data table
localpaths	data table
magics	data table
mergegoodies	function
nofmissing	number
nofprocessed	number
order	data table
paths	data table
patterns	data table
pop	function
preferquality	boolean
programs	data table

push	function
registerpattern	function
registerresource	function
registersuffix	function
remappers	data table
resources	data table
scale	function
set	function
setlookups	function
setmemstream	function
setorder	function
setpaths	function
suffixes	data table
used	data table

file (basic lua)

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

fio (extra lua)

getposition	function
read2dot14	function
readbytes	function
readbytetable	function
readcardinal1	function
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

floats (context)

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

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

font (basic tex)

addcharacters	function
current	function
define	function
each	function
getfont	function
getfontdimen	function

id	function
max	function
nextid	function
setfont	function
setfontdimen	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	D bothkerned
F patch	D leftkerned
T patches	D ligatures
F register	D rightkerned
F report	D texligatures
F register	F load
F report	T readers
T tfm	F getinfo
F apply	F loadfont
F patch	F loadshapes
T patches	F setfeatures
F register	B syncspace
F report	N version
F register	T otf
F report	F addfeature
N factor	F basemodeinitializer
T features	D cache
D afm	F collectlookups
D otf	T coverup
D tfm	T actions
F finalize	F alternate
B fixprotrusion	F chainposition
F getfeatureaction	F chainsubstitution
F getmathparameter	F kern
F getprivate	F ligature
T handlers	F multiple
T afm	F pair
B autoprefixed	F single
D cache	F substitution
D features	F register
F getkern	S stepkey
T helpdata	F dataset

F datasetpositionprocessor	F gsub_single
S defaultbasealternate	F trigger_space_kerns
S defaultnodealternate	T helpers
D features	F blockligatures
F featuresinitializer	F pardirstate
F featuresprocessor	F txdirstate
F getactualtext	F load
F getalternate	F loadoutlinedata
F getgsub	F loadstreamdata
F getkern	F modeinitializer
F getmultiple	D mpocache
F getstreamhash	D pdfcache
F getsubstitution	F plugininitializer
T handlers	F pluginprocessor
F devanagari_remove_joiners	T plugins
F devanagari_reorder_matras	D pngcache
F devanagari_reorder_pre_base_reordering_consonants	B pngenabled
F devanagari_reorder_reph	T readers
F gpos_context	F addunicodetable
F gpos_contextchain	F avar
F gpos_cursive	F cbdt
F gpos_mark2base	F cblc
F gpos_mark2ligature	F cff
F gpos_mark2mark	F cff2
F gpos_pair	F cffcheck
F gpos_single	T cffencoder
F gsub_alterate	F checkhash
F gsub_context	F cmap
F gsub_contextchain	F colr
F gsub_ligature	F compact
F gsub_multiple	F cpal
F gsub_reversecontextchain	F ebdt

F eblc	T helpers
F ebsc	F axistofactors
F expand	F cleanname
F extend	F getaxisscale
F fvar	F getfactors
F gdef	F getscales
F getcomponents	F gotodatatable
F getinfo	F normalizedaxis
F glyf	T normalizedaxishash
F gpos	F readvariationdata
T gposhandlers	F reportskippedtable
F chainedcontext	F setvariabledata
F context	F hhea
F cursive	F hmtx
F extension	F hvar
F marktobase	F kern
F marktoligature	F loadfont
F marktomark	F loadshapes
F pair	F loca
F single	F math
F gsub	F maxp
T gsubhandlers	F mvar
F alternate	F name
F chainedcontext	F os/2
F context	F pack
F extension	F parsecharstrings
F ligature	F post
F multiple	F registerextender
F reversechainedcontextsingle	F rehash
F single	F sbix
F gvar	F stat
F head	T streamreader

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 writecardinal
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
F stripredundant
F svg
N tableversion
F unifymissing
F unpack

F vhea	F loadtfmfvf
F vmtx	F loadvf
F vorg	F pktopdf
F vvar	F showpk
F woff2otf	F reencode
F registerpalette	F setfeatures
F registerplugin	N version
F reorderlookups	T vif
F scriptandlanguage	T combinations
F setdynamics	F combine
F setfeatures	T combiner
T statistics	D commands
D usedfeatures	D helpers
D svgcache	D math
B svgenabled	D predefined
T tables	N version
D baselines	D whatever
D features	F hashfeatures
D featuretypes	F hashinstance
D languages	T hashmethods
D scripts	F normal
N version	F virtual
T pfb	F initializefeatures
F loadvector	T keys
T tfm	T characters
D cache	T descriptions
D features	T parameters
N maxnestingdepth	S ascender
N maxnestingsize	S descender
T readers	S designsize
F loadpk	T expansion
F loadtfm	S auto

S shrink	S factor
S step	S hdelta
S stretch	S hfactor
S extendfactor	S vfactor
S factor	S wdelta
S hfactor	S width
S mathsize	S embedding
S mode	S encodingbytes
T protrusion	S filename
S auto	S finalized
S quad	S fontname
S scaledpoints	S format
S scriptpercentage	S fullname
S scriptscriptpercentage	S hasitalics
S size	S hasmath
S slantfactor	S mathitalics
S slantperpoint	S mode
T spacing	S name
S extra	S nostackmath
S shrink	S psname
S stretch	S textitalics
S width	S virtualized
S units	D loadedfonts
S vfactor	S namemode
S width	N noffontsloaded
S xheight	N nofsharedfonts
T properties	N nofsharedhashes
S autoitalicamount	N nofsharedvectors
S cidinfo	N privateoffset
T effect	D privateslots
S ddelta	F readanddefine
S effect	F registerfeature

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

current function
currentid function
definers table

- F addlookup
- F analyze
- F applypostprocessors
- F checkedmode
- F checkedscript
- S defaultlookup
- F define
- F getspecification
- F internal
- F loadfont
- F makespecification
- T methods
 - F install
 - D variants
- F read
- F register
- F registered
- F registersplit

- F resetnullfont
- F resolve
- T resolvers
 - F file
 - F name
 - F spec

definetypeface function
dropins table

- F clone
- F nextid
- F provide
- F registerglyph
- F registerglyphs
- F swap

encodings table

- T agl
 - D ctxcodes
 - D extras
 - D names
 - D synonyms
 - D unicodes
- D cache
- F is_known
- D known
- F load
- F make_unicode_vector
- D math
- N version

enhanceid function
expansions data table
formats data table
getalternate function

getindices function
getkern function
getmultiple function
getsubstitution function
getters table

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

goodies table

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

 D designsizes
 D filenames
 F getcompositions
 T list
 F load
 F prepare_features
 F register
 F registerpostprocessor
 F report
 T suffixes

handlers table

hashes table

 D characters
 D classes
 D csnames
 D descriptions
 D dynamics
 D emwidths
 D exheights
 D extensibles
 D features
 D identifiers
 D italics
 D lastmathids
 D marks
 D mathparameters
 D modes
 D originals
 D parameters
 T processes
 D properties
 D quads

D resources
T setdynamics
T shapes
D spaces
D spacings
T streams
D unicodes
D variants
D xheights

helpers table

F addextraprivate
F addprivate
F appendcommands
F appendcommandtable
F checkflags
F checkmerge
F checksteps
F collectanchors
D commands
F descriptiontoslot
F dimenfactor
F expandglyph
T extraprivates
F fontpatternhassize
F getcoloredglyphs
F getdigitwidth
F getinstancespec
F getparameters
F getprivatecharornode
F getprivatenode
F getprivates
F getprivateslot

F hasprivate
F indextoslot
F name
F nametoslot
F newprivateslot
F prependcommands
F prependcommandtable
F privateslot
F setdigitwidth
F splitfontpattern
F tochar

infofont function

iterators table

F characters
F descriptions
F glyphs

loggers table

F add_placeholders
D category_to_placeholder
F format
F onetimemessage
F register
F reportdefinedfonts
F reportusedfeatures

mappings table

F addtounicode
F fromunicode16
F loadfile
F loadline
F makenameparser
D overloads
F reset

F tounicode
F tounicode16
F tounicode16sequence
metapost table

F boundingbox
F boxtomp
F draw
F fill
F maxbounds
F output
F paths
F widthline
F zeroline

mp table

D cache
B inline
N version

names data table

nulldata data table

privateoffsets table

B keepnames
N mathbase
N mathextrabase
N textbase
N textextrabase

protrusions data table

readers table

F afm
F check_lua
F check_tfm
F lua
F ofm

F opentype
F otf
F pfb
D sequence
F tfm
F ttc
F ttf
F woff

reserveid function
select table

D alternatives
F bodyfont
D data
F default
D defaults
F definefallbackfamily
F definefontfamily
F definefontfamilypreset
D extras
F fallback
D fallbacks
F features
F filefallback
F fontdata
F fontfallback
F fontsynonym
F goodies
F mathfallback
D methods
D presets
F registerfallback
F registerfiles

F registerfontalternative
F registerfontfamily
F textfallback
F typeface
F typescript
F userdata

specifiers table

D contextmerged
F contextnumber
D contextnumbers
D contextsetups
F contexttostring
F definecontext
F mergecontext
F presetcontext
F registercontext
F showcontext
F splitcontext
D synonyms

D variants

symbols table

T emoji
F checked
F resolved
F uselibrary

tables table

D data
F savefont
F saveoriginal

tracers table

treatments table

F applyfixes
D data
S filename
F ignoredfile
F report
F trace

typefaces table

functions (context)

dummy function

graphics (context)

backgrounds table

- F 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)

compress function

compressed function

decompress function

load 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

linkedslists data table

pages table

F setpagetransition

F setupcanvas

references table

F setclosedocument

F setclosepage

F setopendocument

F setopenpage

renderings data table

soundclips data table

interfaces (context)

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

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

io (basic lua)

ask	function
bytes	function
characters	function
close	function
copydata	function
exists	function
fileseparator	string
flush	function
input	overloaded function
lines	overloaded function
loadchunk	function
loaddata	function
loadlines	function
newreader	function
noflines	function
open	overloaded function

output	overloaded function
pathseparator	string
popen	overloaded function
read	function
readall	function
readnumber	function
readstring	function
savadata	function
size	function
stderr	userdata
stdin	userdata
stdout	userdata
tmpfile	function
type	function
write	function

job (context)

comment	function	F save	
datasets	table	F set	
D collected		D tobesaved	
F extend		pack	boolean
F getdata		packversion	number
F setdata		pagestates	table
D tobesaved		D collected	
disablesave	function	F countervalue	
embedded	table	F extend	
D collected		F realpage	
D tobesaved		F realpageorder	
fileobjreferences	table	F setstate	
D collected		D tobesaved	
D tobesaved		parwrappers	table
files	table	D collected	
D collected		D tobesaved	
F context		passes	table
B forcerun		F check	
F run		D collected	
D tobesaved		F count	
getrandomseed	function	F define	
initialize	function	F find	
load	function	F first	
loadother	function	F get	
objects	table	F getcollected	
D collected		F getdata	
F get		F getfield	
F number		F gettobesaved	
F page		F inlist	

F last
F list
F save
F savetagged
D tobesaved

positions table

F b_column
F b_region
F c
D collected
F column
F columnofpos
F copy
F depth
F e_column
F e_region
F enhance
F extra
F get
F getfree
F gethpos
F getpos
F getreserved
F getrpos
F gettobesaved
F getvpos
F hangafter
F hangindent
F height
F hsize
F leftskip
F lowerleft

F lowerright
F markregionbox
F n
F onsamepage
F overlapping
F p
F page
T pagedata
F paragraph
F parindent
F position
F r
F region
F registerhandlers
F replace
F rightskip
F set
F setall
F setregionbox
F setspec
F settobesaved
D tobesaved
F upperleft
F upperright
F used
F whd
F width
F x
F xy
F y

register function
save function

structure	table
D collected	
T components	
T tobesaved	
T branches	
S name	
S type	
variables	table
D checksums	

D collected	
F getchecksum	
F makechecksum	
F restore	
F save	
F setchecksum	
D tobesaved	
version	number

language (basic tex)

clean	function
clear_hyphenation	function
clear_patterns	function
current	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
associated data table
association function
counters data table
current function
data data table
decimals data table
define function
explicithyphen function
flatten function
frequencies table

F averagecharwidth

F getdata

getdata function
getnumber function
hjcounts table
hyphenate function
hyphenators table

T dictionaries

D featuresets

F handler

T methods

F expanded

B none

F original

F tex

F traditional

F popmethod

F pushmethod

F setmethod
F setup
F showhyphenationtrace
T traditional
F definefeatures
F gettrace
F hyphenate
F injecthyphens
F installmethod
F lasttrace
F loadpatterns
F registerexception
F registerpattern
F setfeatures

installed function
labels table

F define

F split

loadable function
loadwords function
logger table

F report

nofflattened function
numbers data table
postexhyphenchar function
posthyphenchar function
preexhyphenchar function
prehyphenchar function
registered data table

replacements	table	D mapping	
F add		B packslashes	
F addlist		N righthyphenmin	
F handler		F setcharacters	
F set		version	number
serializeddiscretionary	function	visualizediscretionaries	function
setexceptions	function	words	table
setsynonym	function	F check	
showdiscretionaries	function	T data	
transliteration	table	F disable	
F define		F enable	
F handler		T enablers	
F set		B enables	
unload	function	F found	
urls	table	F load	
D characters		T methods	
N lefthyphenmin		N threshold	

layouts (context)

status table

F isleftpage

F leftorrightpageaction

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
mkdirs	function
modification	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
categories	function
direct	function
disable	function
enable	function
finalactions	function
flush	function
loggingerrors	function
messenger	function
new	function
newline	function
poptarget	function
private	table
F enablepagetiming	
F getpagetiming	
pushtarget	function
registerfinalactions	function
report	function
reporter	function
setformats	function

setformatters	function
setlogfile	function
setmessenger	function
setprocessor	function
settarget	function
settimedlog	function
settranslations	function
show	function
start_page_number	function
start_run	function
startererrorlogging	function
startfilelogging	function
status	function
stop_page_number	function
stoperrorlogging	function
stopfilelogging	function
subdirect	function
subreport	function
texerrormessage	function
writer	function

lpdf (context)

action	function
adddocumentcolorspace	function
adddocumenttextgstate	function
adddocumentpattern	function
adddocumentshade	function
addtocatalog	function
addtoinfo	function
addtonames	function
addtopageattributes	function
addtopageresources	function
addtopagesattributes	function
addxmpinfo	function
annotationspecification	function
array	function
attachmentsymbols	function
boolean	function
border	function
checkedkey	function
checkedvalue	function
circularshade	function
cmkcode	function
collectedresources	function
color	function
colorspace	function
colorspaceconstants	data table
colorspec	function
colorvalue	function
colorvalues	function
commentsymbols	function

compresslevel	function
constant	function
copyarray	function
copyboolean	function
copyconstant	function
copydictionary	function
copyfloat	function
copyinteger	function
copynumber	function
copystring	function
copyunicode	function
delayedobject	function
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		N printable	
T resolvers		T widgets	
F destinations		N Comb	
F embeddedfiles		N CommitOnSelChange	
F javascripts		N DoNotScroll	
F layers		N DoNotSpellCheck	
F pages		N Edit	
F structure		N FileSelect	
F widgets		N MultiLine	
F stripcontent		N NoExport	
F unload		N NoToggleToOff	
escaped	function	N Password	
finalizeddocument	function	N PopUp	
finalizefonts	function	N PushButton	
finalizepage	function	N Radio	
finishtransparencycode	function	N RadiosInUnison	
flags	table	N ReadOnly	
T annotations		N Required	
N AutoView		N RichText	
N Hidden		N Sort	
N Invisible		N file	
N Locked		N fixed	
N LockedContents		N nocheck	
N NoRotate		N protected	
N NoView		N readonly	
N NoZoom		N required	
N Print		N sorted	
N Printable		N unavailable	
N ReadOnly		flushfonts	function
N ToggleNoView		flushgroup	function
N auto		flushobject	function
N hidden		flushstreamfileobject	function

flushstreamobject	function
formats	data table
frombytes	function
fromeight	function
frompdfdoc	function
fromsixteen	function
getcatalag	function
getcompression	function
getfontname	function
getfontobjnumber	function
getinfo	function
getmapentry	function
getmetadata	function
getnofpages	function
getpageproperties	function
getpagetags	function
getversion	function
getxformname	function
graycode	function
id	function
immediateobj	function
includechar	function
includecharlist	function
includefont	function
includeimage	function
injectors	table
F bitmap	
F jp2	
F jpg	
F png	
injectxmpinfo	function
insertxmpinfo	function

layerreference	function
limited	function
linearshade	function
literal	function
majorversion	function
makenametree	function
minorversion	function
nofpages	function
null	function
number	function
obj	function
objectcompresslevel	function
pagereference	function
patternstream	function
pdfcolor	function
pdftimestamp	function
permitdetail	function
print	function
procset	function
protectresources	boolean
rectangle	function
reference	function
registerannotation	function
registerdestination	function
registerdocumentfinalizer	function
registerfont	function
registerpagefinalizer	function
registerpattern	function
reserveobject	function
rgbcode	function
rotationcm	function
setcompression	function

setdates	function
setmapfile	function
setmapline	function
setomitcharset	function
setomitcidset	function
setpageorder	function
setpagetag	function
setsuppressoptionalinfo	function
settime	function
settrailerid	function
setversion	function
shareobject	function
shareobjectreference	function
spotcode	function

stream	function
string	function
toeight	function
topdfdoc	function
tosixteen	function
transparency	function
transparencycode	function
transparencygroups	table
B none	
transparencyvalue	function
unicode	function
usedcharacters	table
verbose	function
vfimage	function

lpeg (basic lua)

B	function
C	function
Carg	function
Cb	function
Cc	function
Cf	function
Cg	function
Cmt	function
Cp	function
Cs	function
Ct	function
P	function
R	function
S	function
UP	function
UR	function
US	function
V	function
afterprefix	function
anywhere	function
append	function
balancer	function
beforesuffix	function
checkedsplit	function
containsws	function
counter	function
endstripper	function
finder	function

firstofsplit	function
frontstripper	function
instringchecker	function
is_lpeg	function
keeper	function
locale	function
match	function
oneof	function
patterns	data table
pcode	function
print	function
ptree	function
replacer	function
secondofsplit	function
setmaxstack	function
setutfcasers	function
split	function
splitat	function
splitter	function
stripper	function
times	function
tsplitat	function
tsplitter	function
type	function
utfchartabletopattern	function
utfreplacer	function
version	function

lua (basic tex)

bytecode	table
bytedata	data table
bytedone	table
callbytecode	function
collectgarbage	function
delay	function
finalize	function
firstbytecode	number
flush	function
flushdelayed	function
get_functions_table	function
getbytecode	function
getcurrenttime	function
getfunctionstable	overloaded function
gethashchars	function
getpreciseseconds	function
getpreciseticks	function
getruntime	function
getstacktop	function
getstartupfile	function
getversion	function

lastbytecode	number
macros	table
B enabled	
F loaded	
F required	
F reset	
F resolvestring	
F resolving	
F showdefinitions	
messages	data table
newindex	function
newtable	function
numbers	data table
registercode	function
registeredcodes	function
registerfinalizer	function
registername	function
setbytecode	function
setexitcode	function
startupfile	string
version	string

luatex (context)

abort function
cleanup function
cleanuptempfiles function
currentfile function
registerdumpactions function
registerpageactions function
registerstartactions function
registerstopactions function
registertempfile function
starttime number
synctex table

F blockfilename
F collect
F disable
F enable

F finish
F pause
F popline
F pushline
F registerdisabler
F registerenabler
F resetfilename
F resume
F setfilename
F setup
F start
F stop
F wrapup

wrapup

function

lxml (context)

addindex	function	doifelseempty	function
all	function	doifelsetext	function
applyfunction	function	doifempty	function
applyselectors	function	doifnot	function
att	function	doifnotempty	function
attribute	function	doifnottext	function
badinclusions	function	doiftext	function
chainattribute	function	element	function
checkindex	function	elements	function
collected	function	entities	data table
command	function	filter	function
concat	function	filterlist	function
concatrange	function	first	function
content	function	flush	function
context	function	flushlinewise	function
convert	function	flushsetups	function
count	function	flushspacewise	function
delete	function	get_id	function
depth	function	getid	function
direct	function	getindex	function
directives	table	id	function
F after		idsplitter	userdata
F before		include	function
F handle		inclusion	function
F load		inclusions	function
F setup		index	function
displayverbatim	function	inlineverbatim	function
doif	function	installsetup	function
doifelse	function	last	function

lastatt	function
lastmatch	function
lastpar	function
load	function
loadbuffer	function
loaddata	function
loaded	table
main	function
match	function
name	function
namespace	function
nonspace	function
par	function
param	function
parameter	function
path	function
popmatch	function
pos	function
position	function
pure	function
pushmatch	function
raw	function
rawroot	function
rawtex	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
startunesescaped	function
stopraw	function
stopunesescaped	function
store	function
strip	function
stripped	function
tag	function
text	function
tobuffer	function

tofile	function	verbatim	function
toparameters	function	withinindex	function
toverbatim	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	setrandomseed	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
alphabets data table
alternatives data table
big function
boldmap data table
categories table

D functions

charactersets data table
checkaccentbaseheight function
checkprivateparameters function
classes data table
codes data table
define function
dimensions function
domains table
extensiblecode function
extensibles data table
extrabase number
extras table

F add

F copy

fallbacks table

F apply

F install

fallbackstyleattr function
families data table
finishfallbacks function
gaps data table
getboth function

getdomain function
getitalics function
getridofprime function
getstyle function
horizontalcode function
initializeparameters function
makefont function
mapremap data table
overloadaddimensions function
overloadparameters function
privatebase number
registerdomain function
registerfallbackid function
remapalphabets function
renderings table

D mappings

D numbers

D sets

renderset function
resetattributes function
resetitalics function
resolvefallbacks function
scaleparameters function
setdomain function
setitalics function
setridofprime function
sets data table
styles data table
syncboth function

syncname	function	utfmathaccent	function
syncstyle	function	utfmathclass	function
toname	function	utfmathcommand	function
tostyle	function	utfmathfiller	function
tweakaftercopyingfont	function	utfmathstretch	function
tweakbeforecopyingfont	function	virtualize	function
tweaks	table	virtualized	data table

md5 (extra lua)

HEX function
dec function
hex function

sum function
sumHEX function
sumhexa function

metapost (context)

checkformat function

cm function

codes table

 N addto

 N ampersand

 N and

 N assignment

 N atleast

 N begingroup

 N btex

 N capsule

 N colon

 N comma

 N controls

 N curl

 N cycle

 N declare

 N def

 N definedmacro

 N delimiters

 N endgroup

 N equals

 N etex

 N everyjob

 N exitif

 N expandafter

 N fi_or_else

 N if

 N input

 N interim

 N internal

 N iteration

 N join

 N leftbrace

 N leftbracket

 N leftdelimiter

 N let

 N macrospecial

 N maketext

 N message

 N mode

 N newinternal

 N nullary

 N numeric

 N of

 N ofbinary

 N outertag

 N parametertype

 N plus_or_minus

 N primarybinary

 N primarydef

 N randomseed

 N relax

 N repeat_loop

 N rightbrace

 N rightbracket

 N rightdelimiter

 N runscript

N save		currentmpx	function
N scantokens		currentmpxstatus	function
N scope		defaultformat	string
N secondarybinary		defaultinstance	string
N secondarydef		defaultmethod	string
N semicolon		directrun	function
N setbounds		escaped	function
N shipout		exectime	table
N show		extensiondata	data table
N skip		filterclippath	function
N slash		flush	function
N special		flushers	table
N step		T pdf	
N stop		F comment	
N str		F flushfigure	
N string		F startfigure	
N tag		F stopfigure	
N tension		F textfigure	
N tertiarybinary		flushliteral	function
N tertiarydef		flushnormalpath	function
N thingstoadd		flushreset	function
N to		fonts	table
N unary		F define	
N undefinedcs		T flusher	
N until		F flushfigure	
N void		F startfigure	
N with		F stopfigure	
N within		N instances	
N write		F process	
colorinitializer	function	format_number	function
comment	function	format_string	function
convert	function	formatnumber	function

getclippath	function
getextensions	function
getextradata	function
getjobdata	function
getparameter	function
getparameterset	function
getstatistics	function
gettext	function
graphic	function
graphic_base_pass	function
includesvgbuffer	function
includesvgfile	function
installplugin	function
isobject	function
lastlog	string
load	function
maketext	function
metafun	table
F interpolate	
F topath	
mptopdf	table
F convertmptopdf	
N nofconverted	
n	number
nofruns	number
nofscriptruns	function
nvformat	function
pdf literals	function
pluginactions	function
popformat	function
popscriptrunner	function
popvariable	function

popvariables	function
preparetexttsdata	function
process	function
processing	function
processplugins	function
processspecial	function
properties	table
pushformat	function
pushscriptrunner	function
pushvariable	function
pushvariables	function
reducetogray	boolean
registerscript	function
remappedtext	function
remaptext	function
reporterror	function
reportsvgfonts	function
reset	function
resetlastlog	function
resetplugins	function
run	function
runscript	function
scanparameters	function
scripterror	function
scriptindex	function
setextensions	function
setoutercolor	function
setparameterset	function
settext	function
setvariable	function
showlog	boolean
showsvgpage	function

simple	function
splitprescript	function
startgraphic	function
startsvghashing	function
stopgraphic	function
stopsvghashing	function
svformat	function
svgcolorremapper	function
svgglyphtomp	function
svgshapestomp	function
svgshapestopdf	function
svgsplitcolor	function
svgtomp	function
svgtopdf	function
sxsy	function
tex	table
F get	
F reset	
F set	
F setfrombuffer	
texerrors	boolean
texexp	function
theclippath	function
tographic	function
totable	function
types	table
N boolean	

N cmykcolor	
N color	
N dependent	
N independent	
N known	
N numeric	
N pair	
N path	
N pen	
N picture	
N protodependent	
N string	
N structured	
N suffixedmacro	
N tokenlist	
N transform	
N unknownboolean	
N unknownpath	
N unknownpen	
N unknownpicture	
N unknownstring	
N unsuffixedmacro	
N vacuous	
typesvgpage	function
unload	function
untagvariable	function
variables	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)

<code>_get_count_</code>	function	<code>F print</code>	
<code>_get_dimen_</code>	function	<code>F quadruple</code>	
<code>_get_macro_</code>	function	<code>F quadruplepoints</code>	
<code>_get_toks_</code>	function	<code>F quoted</code>	
<code>_set_count_</code>	function	<code>F size</code>	
<code>_set_dimen_</code>	function	<code>F string</code>	
<code>_set_macro_</code>	function	<code>F transform</code>	
<code>_set_toks_</code>	function	<code>F triplet</code>	
<code>autoinject</code>	function	<code>F tripletpoints</code>	
<code>aux</code>	table	<code>F vprint</code>	
<code>F boolean</code>		boolean	function
<code>F color</code>		cleaned	function
<code>F direct</code>		color	function
<code>F direct1</code>		dataset	function
<code>F direct2</code>		datasets	function
<code>F direct3</code>		<code>F load</code>	
<code>F direct4</code>		dimension	function
<code>F draw</code>		direct	function
<code>F fill</code>		direct1	function
<code>F flush</code>		direct2	function
<code>F fprintf</code>		direct3	function
<code>F integer</code>		direct4	function
<code>F number</code>		disposehash	function
<code>F numeric</code>		draw	function
<code>F pair</code>		fill	function
<code>F pairpoints</code>		flatten	function
<code>F path</code>		flush	function
<code>F pathpoints</code>		format	function
<code>F points</code>		formatted	function

fprint	function	lmt_contours_edge_get_cell	function
fromhash	function	lmt_contours_edge_paths	function
get	table	lmt_contours_edge_set	function
getcount	function	lmt_contours_edge_set_by_band	function
getdimen	function	lmt_contours_edge_set_by_cell	function
getmacro	function	lmt_contours_format	function
gettoks	function	lmt_contours_function	function
graphformat	function	lmt_contours_maxmean	function
inhash	function	lmt_contours_maxz	function
inject	function	lmt_contours_minmean	function
F boolean		lmt_contours_minz	function
F cmykcolor		lmt_contours_nofvalues	function
F color		lmt_contours_nx	function
F integer		lmt_contours_ny	function
F number		lmt_contours_range	function
F numeric		lmt_contours_shade_paths	function
F pair		lmt_contours_shade_set	function
F path		lmt_contours_shape_paths	function
F string		lmt_contours_start	function
F transform		lmt_contours_stop	function
F whatever		lmt_contours_value	function
integer	function	lmt_contours_xrange	function
isarray	function	lmt_contours_yrange	function
isobject	function	lmt_do_remaptext	function
lmt_color_functions	table	lmt_function_x	function
F shade		lmt_mesh_set	function
F step		lmt_mesh_update	function
lmt_contours_bitmap_get	function	lmt_poisson_generate	function
lmt_contours_bitmap_set	function	lmt_register_glyph	function
lmt_contours_cleanup	function	lmt_register_glyphs	function
lmt_contours_color	function	lmt_surface_do	function
lmt_contours_edge_get_band	function	lmt_svg_include	function

mf_blob_add	function
mf_blob_dimensions	function
mf_blob_index	function
mf_blob_new	function
mf_blob_raw_content	function
mf_blob_raw_dimensions	function
mf_blob_raw_reset	function
mf_blob_raw_toutf	function
mf_blob_raw_wipe	function
mf_blob_size	function
mf_blob_width	function
mf_external_figure	function
mf_finish_saving_data	function
mf_formatted_text	function
mf_get_outline_text	function
mf_graphic_text	function
mf_inject_blob	function
mf_made_text	function
mf_map_move	function
mf_map_text	function
mf_named_color	function
mf_outline_text	function
mf_save_data	function
mf_script_index	function
mf_some_text	function
mf_start_saving_data	function
mf_stop_saving_data	function
mf_tb_dimensions	function
mf_tt_dimensions	function
mf_tt_initialize	function
mode	function
n	function

newhash	function
number	function
numeric	function
pair	function
pairpoints	function
path	function
pathpoints	function
points	function
positionanchor	function
positionbox	function
positioncurve	function
positionpage	function
positionpath	function
positionpxy	function
positionregion	function
positionwhd	function
positionxy	function
prefix	function
print	function
processingmode	function
quadruple	function
quadruplepoints	function
quoted	function
report	function
scan	table
F boolean	
F cmykcolor	
F color	
F expression	
F integer	
F next	
F number	

F numeric		solve	function
F pair		string	function
F path		systemmode	function
F pen		texstr	function
F string		texttextanchor	function
F symbol		texvar	function
F token		tohash	function
F transform		transform	function
set	table	triplet	function
setcount	function	tripletpoints	function
setdimen	function	utflen	function
setmacro	function	utfsub	function
settoks	function	vprint	function
size	function		

mplib (extra tex)

execute	function
finder	function
finders	table
F file	
F mpstemplate	
finish	function
getcallbackstate	function
getcodes	function
getfields	function
getstates	function
getstatistics	function
getstatus	function
gettype	function
gettypes	function
inject_boolean	function
inject_cmykcolor	function
inject_color	function
inject_integer	function
inject_number	function
inject_numeric	function
inject_pair	function
inject_path	function
inject_string	function

inject_transform	function
inject_whatever	function
new	overloaded function
pen_info	function
realtime logging	boolean
scan_boolean	function
scan_cmykcolor	function
scan_color	function
scan_expression	function
scan_integer	function
scan_next	function
scan_number	function
scan_numeric	function
scan_pair	function
scan_path	function
scan_pen	function
scan_string	function
scan_symbol	function
scan_token	function
scan_transform	function
solve_path	function
version	function

noads (context)

handlers table

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

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

process function

processnested function

processors table

F mlist_to_hlist
T unscript
T unstack

processouter function

node (basic tex)

check_discretionaries	function	F get_properties_table
check_discretionary	function	F get_synctex_fields
copy	function	F getattributelist
copy_list	function	F getboth
count	function	F getbox
current_attributes	function	F getchar
dimensions	function	F getdata
direct	table	F getdepth
F check_discretionaries		F getdirection
F check_discretionary		F getdisc
F copy		F getexpansion
F copy_list		F getfam
F copy_only		F getfield
F count		F getfont
F current_attributes		F getglue
F dimensions		F getglyphdata
F effective_glue		F getglyphdimensions
F end_of_math		F getheight
F exchange		F getid
F find_attribute		F getindex
F find_attribute_range		F getkern
F find_node		F getkerndimension
F first_glyph		F getlanguage
F flatten_discretionaries		F getleader
F flush_list		F getlist
F flush_node		F getnext
F free		F getnormalizedline
F get_attribute		F getnucleus
F get_attributes		F getoffsets

F getoptions
F getorientation
F getparstate
F getpenalty
F getpost
F getpre
F getprev
F getproperty
F getreplace
F getscript
F getshift
F getstate
F getsub
F getsubpre
F getsubtype
F getsup
F getsuppre
F gettotal
F getwhd
F getwidth
F has_attribute
F has_dimensions
F has_field
F has_glyph
F has_glyph_option
F hpack
F hyphenating
F ignore_math_skip
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 make_extensible
F migrate
F mlist_to_hlist
F naturalwidth
F new
F protect_glyph
F protect_glyphs
F protrusion_skippable
F rangedimensions
F remove
F reverse
F set_attribute
F set_attributes
F set_synctex_fields
F setattributelist
F setboth
F setbox
F setchar
F setdata
F setdepth
F setdirection
F setdisc
F setexpansion
F setfam

F setfield
F setfont
F setglue
F setglyphdata
F setheight
F setindex
F setkern
F setlanguage
F setleader
F setlink
F setlist
F setnext
F setnucleus
F setoffsets
F setoptions
F setorientation
F setpenalty
F setpost
F setpre
F setprev
F setproperty
F setreplace
F setscript
F setshift
F setsplit
F setstate
F setsub
F setsubpre
F setsubtype
F setup
F setsuppre
F settotal

F setwhd
F setwidth
F slide
F start_of_par
F tail
F todirect
F tonode
F toString
F tovaliddirect
F traverse
F traverse_char
F traverse_content
F traverse_glyph
F traverse_id
F traverse_list
F type
F unprotect_glyph
F unprotect_glyphs
F unset_attribute
F usedlist
F uses_font
F vertical_break
F vpack
F write

effective_glue	function
end_of_math	function
family_font	function
fields	function
find_attribute	function
first_glyph	function
flatten_discretionaries	function
flush_list	function

flush_node	function
free	function
get_attribute	function
get_glue	function
get_properties_table	function
getfield	function
getproperty	function
has_attribute	function
has_field	function
has_glyph	function
hpack	function
hyphenating	function
id	function
insert_after	function
insert_before	function
instock	function
inuse	function
is_node	function
is_zero_glue	function
kerning	function
last_node	function
length	function
ligaturing	function
make_extensible	function
mlist_to_hlist	function
new	function
optimize_unset_attribute	function
protect_glyph	function

protect_glyphs	function
protrusion_skippable	function
rangedimensions	function
remove	function
set_attribute	function
set_glue	function
setfield	function
setproperty	function
slide	function
subtypes	function
tail	function
tostring	function
traverse	function
traverse_char	function
traverse_glyph	function
traverse_id	function
traverse_list	function
type	function
types	function
unprotect_glyph	function
unprotect_glyphs	function
unset_attribute	function
usedlist	function
uses_font	function
values	function
vpack	function
write	function

nodes (context)

accentcodes data table
aligned function
append function
apply function
applyvisuals function
astable function
basepoints function
boundarycodes data table
boxes table

F dimensions
F direct
F found
F reset
F restore
F save
F savenode

builders table

F buildpage_filter
F vpack_filter

check_discretionaries function
concat function
copy function
copy_list function
copy_node function
count function
countall function
current_attributes function
delete function
destinations table

N attribute
T done
F handler
T stack

dimensions function
dircodes data table
directioncodes data table
directionvalues data table
dirvalues data table
disccodes data table
discretionarycodes data table
effective_glue function
end_of_math function
fencecodes data table
fields function
fieldtypes table
fillcodes data table
fillvalues data table
find_attribute function
first_glyph function
firstcharacter function
firstcharinbox function
firstdirinbox function
firstglyph function
flatten_discretionaries function
flush function
flush_list function
flush_node function
free function

fullhpack	function
getattr	function
getattribute	function
getboth	function
getbox	function
getchar	function
getfield	function
getfont	function
getid	function
getleader	function
getlist	function
getnext	function
getprev	function
getsubtype	function
gluecodes	data table
glyphcodes	data table
handlers	table

- F accessibility
- F backgrounds
- F backgroundspage
- F backgroundsvbox
- F characters
- F checkglyphs
- F checkparcounter
- F cleanupbox
- F cleanuppage
- F export
- F finalizebox
- F flatten
- F flattenline
- F migrate
- F protectglyphs

F stripping	
F textbackgrounds	
F unprotectglyphs	
has_attribute	function
has_field	function
has_glyph	function
hpack	function
hyphenating	function
idsandsubtypes	function
idstostring	function
injections	table
F copy	
F getligaindex	
F getthreshold	
F handler	
F installgetspaceboth	
F installnewkern	
F isspace	
F keepcounts	
F reset	
F resetcounts	
F setcursive	
F setkern	
F setligaindex	
F setmark	
F setmove	
F setposition	
F setspacekerns	
insert_after	function
insert_before	function
insert_list_after	function
installattributehandler	function

is_direct	function	listcodes	data table
is_display_math	function	listtoutf	function
is_node	function	literalvalues	data table
is_nut	function	load	function
is_zero_glue	function	locate	function
kerncodes	data table	markers	table
kerning	function	F get	
keys	table	mathcodes	data table
T whatsit		maxboxwidth	function
last_node	function	migrations	table
leftmarginwidth	function	F setinserts	
length	function	F setmarks	
ligaturing	function	mlist_to_hlist	function
linefillers	table	new	function
D data		noadcodes	data table
F define		noadoptions	table
F enable		N axis	
F filler		N exact	
F handler		N left	
lines	table	N middle	
T boxed		N no_axis	
F register		N right	
F setup		N set	
F stage_one		N unused_1	
F stage_two		N unused_2	
D data		nodecodes	data table
F finalize		nopts	function
F number		nuts	table
N scratchbox		F append	
link	function	F apply	
linked	function	F applyvisuals	
list	function	F check_discretionaries	

F concat	F getattribute
F copy	F getattributelist
F copy_list	F getattrlist
F copy_no_components	F getattrs
F copy_node	F getboth
F copy_only	F getbox
F copy_only_glyphs	F getboxglue
F copy_properties	F getchar
F copyvisual	F getcomponents
F count	F getdata
F count_components	F getdepth
F countall	F getdirection
F current_attributes	F getdisc
F delete	F getdiscretionary
F dimensions	F getexpansion
F dirdimensions	F getfam
F effective_glue	F getfield
F end_of_math	F getfont
F exchange	F getglue
F find_attribute	F getglyphdata
F first_glyph	F getglyphdimensions
F firstcharacter	F getheight
F firstcharinbox	F getid
F firstglyph	F getkern
F flatten_discretionaries	F getkerndimension
F flush	F getlang
F flush_list	F getlanguage
F flush_node	F getleader
F free	F getlist
F fullhpack	F getnext
F get_components	F getnormalizedline
F getattr	F getnucleus

F getoffsets	F insert_list_after
F getoptions	F is_display_math
F getorientation	F is_node
F getpenalty	F is_nut
F getpost	F is_zero_glue
F getpre	F ischar
F getprev	F isdone
F getprop	F isglyph
F getreplace	F kerning
F getruledata	F last_node
F getscript	F leftmarginwidth
F getshift	F length
F getstate	F ligaturing
F getsub	F link
F getsubpre	F linked
F getsubtype	F locate
F getsup	F migrate
F getsuppre	F mlist_to_hlist
F getsurround	F nestedtracedslide
F getsyntexfields	F new
F gettotal	T pool
F getvalue	F accent
F getwhd	F baselineskip
F getwidth	F boundary
F has_attribute	F choice
F has_dimensions	F cleanup
F has_field	F delim
F has_glyph	F delimiter
F hpack	F direction
F hyphenating	F directliteral
F insert_after	F disc
F insert_before	F emptyrule

F fence
F fontkern
F fraction
F glue
F gluespec
F glyph
F hlist
F indentskip
F italicern
F kern
F latelua
F leader
F lefthangskip
F leftmarginkern
F leftskip
F lineskip
F literal
F mathchar
F mathtextchar
F negatedglue
F noad
F originliteral
F outlinerule
F pageliteral
F penalty
F radical
F rawliteral
F register
F restore
F righthangskip
F rightmarginkern
F rightskip

F rule
F save
F savepos
F setmatrix
F shrink
F stock
F stretch
F subbox
F submlist
F temp
F usage
T userids
N margins.inline
N splitters.one
N splitters.two
F usernode
F userrule
F vlist
F wordboundary
F prepend
F processranges
F processwords
F protect_glyph
F protect_glyphs
F protrusion_skippable
F rangedimensions
F rawprop
F reference
F rehpac
F remove
F repackhlist
F replace

F reverse
F rightmarginwidth
T rules
T ruleactions
F box
F draw
F fill
F mp
F stroke
F userrule
F set_attribute
F set_components
F setattr
F setattribute
F setattributelist
F setattributes
F setattrlist
F setattrs
F setboth
F setbox
F setboxglue
F setchar
F setcomponents
F setdata
F setdepth
F setdirection
F setdisc
F setdiscretionary
F setexpansion
F setfam
F setfield
F setfont

F setglue
F setglyphdata
F setheight
F setkern
F setlang
F setlanguage
F setleader
F setlink
F setlist
F setnext
F setnucleus
F setoffsets
F setoptions
F setorientation
F setparproperty
F setpenalty
F setpost
F setpre
F setprev
F setprop
F setreplace
F setruledata
F setscript
F setshift
F setsplit
F setstate
F setsub
F setsubpre
F setsubtype
F setsup
F setsuppre
F setsurround

- F setsynctexfields
- F setunsetattributes
- F setvalue
- F setvisual
- F setvisuals
- F setwhd
- F setwidth
- F slide
- F somepenalty
- F somespace
- F splitbox
- F start_of_par
- F striprange
- F tail
- F takeattr
- F takebox
- F takelist
- F theprop
- F tonode
- F tonodes
- F tonut
- F tosequence
- F toString
- F tracedslide
- F traverse
- F traverse_char
- F traverse_content
- F traverse_glyph
- F traverse_id
- F traverse_list
- T traversers
 - F boundary

- F char
- F content
- F dir
- F disc
- F glue
- F glyph
- F hlist
- F list
- F next
- F node
- F vlist
- F whatsit
- T typesetters
 - F tohbox
 - F tohpack
 - F tonodes
 - F tovbox
 - F tovpack
 - F unprotect_glyph
 - F unprotect_glyphs
 - F unset_attribute
 - F unsetattribute
 - F unsetattributes
 - F untracedslide
 - F usedlist
 - F uses_font
 - F vianodes
 - F vianuts
 - F vpack
 - F write

packlist
parcodes

function
data table

penaltycodes

plugindata

F finalizer
F initializer
S name
T namespace
N attribute
D data
F enable
F handler
F register
D registered
D values
F processor

points

pool

F baselineskip
F cleanup
F directliteral
F glyph
F hlist
F latelua
F lineskip
F literal
F originliteral
F register
F restore
F rule
F save
F savepos
F setmatrix
F special

data table
table

function
table

F stock

F usage

F vlist

prepend

print

processors

F contribute_filter
B enabled
F hpack_filter
F post_linebreak_filter
F pre_linebreak_filter
F tracer

properties

T data

protect_glyph

protect_glyphs

protrusion_skippable

pts

radicalcodes

rangedimensions

reference

references

N attribute
T done
F handler
T stack

reheap

remove

repackhlist

replace

report

rightmarginwidth

function

function

table

table

function

function

function

function

data table

function

function

table

function

function

function

function

function

function

rulecodes	data table	showboxes	function
rules	table	showlist	function
D data		showsimplelist	function
F define		skipcodes	data table
F enable		slide	function
F handler		snapshots	table
F userrule		F getsamples	
save	function	F resetsamples	
serialize	function	F takesample	
serializebox	function	somepenalty	function
set_attribute	function	somespace	function
setattr	function	splitbox	function
setattribute	function	start_of_par	function
setattributes	function	stripdiscretionaries	function
setboth	function	stripping	table
setbox	function	T glyphs	
setboxtonaturalwd	function	F set	
setchar	function	subtypes	data table
setfield	function	tail	function
setfont	function	takeattr	function
setleader	function	takebox	function
setlink	function	tasks	table
setlist	function	F actions	
setnext	function	F appendaction	
setprev	function	F disableaction	
setunsetattributes	function	F disablegroup	
shifts	table	F enableaction	
D data		F enablegroup	
F define		F freeze	
F enable		F freezegroup	
F handler		F new	
show	function	F prependaction	

F removeaction
F replaceaction
F restart
F setaction
F showactions
F table

tobasepoints function
tocentimeters function
toxiceros function
todidots function
todimen function
toinches function
tomillimeters function
tonode function
tonodes function
tonut function
topics function
topoints function
toscaledpoints function
tosequence function
tostring function
totable function
totree function
toutf function
tracers table

T characters
F collect
F equal
F start
F string
F unicodes
T colors

F reset
F set
F setlist
F directions
F fontchar
T frequencies
F register
T pool
T nodes
F rule
T nuts
F rule
F resetproperties
F rule
F setlist
F setproperties
F start
T steppers
F check
F codes
F features
F font
F glyphs
F message
F messages
F nofsteps
F register
F reset
F start
F stop
F stop
T transparencies

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

number (context)

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

tobasepoints	function
tobitstring	function
tocentimeters	function
toxiceros	function
tocontext	function
todidots	function
todimen	function
toevenhex	function
toinches	function
tomillimeters	function
tonumberf	function
tonumberg	function
topicsas	function
topoints	function
toscaled	function
toscaledpoints	function
valid	function

objects (context)

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

optional (context)

curl table

F escape
F fetch
F getversion
F initialize
F unescape

ghostscript table

F execute
F initialize

graphicsmagick table

F execute
F initialize

kpse table

F expand_braces
F expand_path
F expand_var
F find_file
F find_files
F get_file_types
F initialize
F readable_file
F set_program_name
F var_value

loaded table

mujs table

F dofile
F execute
F initialize

F reset

F setclosefile

F setconsole

F setfindfile

F setopenfile

F setreadfile

F setseekfile

mysql table

F close

F execute

F getmessage

F initialize

F open

postgress table

F close

F execute

F getmessage

F initialize

F open

sqlite table

F close

F execute

F getmessage

F initialize

F open

zint table

F execute

F initialize

os (basic lua)

<code>__getenv__</code>	function
<code>__setenv__</code>	function
<code>binsuffix</code>	string
<code>binsuffixes</code>	table
<code>clock</code>	function
<code>converttime</code>	function
<code>date</code>	overloaded function
<code>difftime</code>	function
<code>enableansi</code>	function
<code>env</code>	data table
<code>execute</code>	overloaded function
<code>exit</code>	overloaded function
<code>fulltime</code>	function
<code>getcodepage</code>	function
<code>getenv</code>	overloaded function
<code>gettimeofday</code>	function
<code>isleapyear</code>	function
<code>launch</code>	function
<code>libsuffix</code>	string
<code>localtime</code>	function
<code>name</code>	string
<code>newline</code>	string
<code>nofdays</code>	function
<code>now</code>	function
<code>pipeto</code>	function
<code>platform</code>	string
<code>remove</code>	overloaded function

<code>rename</code>	overloaded function
<code>resolvers</code>	table
<code>F bits</code>	
<code>resultof</code>	function
<code>runtime</code>	function
<code>selfarg</code>	table
<code>selfbase</code>	string
<code>selfbin</code>	string
<code>selfcore</code>	string
<code>selfdir</code>	string
<code>selfname</code>	string
<code>selfpath</code>	string
<code>setenv</code>	overloaded function
<code>setexitcode</code>	function
<code>setlocale</code>	overloaded function
<code>sleep</code>	function
<code>time</code>	function
<code>timezone</code>	function
<code>tmpname</code>	function
<code>today</code>	function
<code>type</code>	string
<code>uname</code>	function
<code>uuid</code>	function
<code>validdate</code>	function
<code>weekday</code>	function
<code>where</code>	function
<code>which</code>	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 setsize
F setspan
F setlines
F setproperties
F setstart
F setvsize

injections table

F flushafter
F flushbefore
F save

mixedcolumns table

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

pdf (basic tex)

`immediateobj` function

pdfc (extra tex)

arraytotable	function
close	function
closestream	function
dictionarytotable	function
encryptioncodes	data table
getarray	function
getboolean	function
getbox	function
getcatalag	function
getdictionary	function
getfromarray	function
getfromdictionary	function
getfromreference	function
getfromstream	function
getinfo	function
getinteger	function
getmemoryusage	function
getname	function
getnofobjects	function
getnofpages	function

getnumber	function
getpage	function
getpages	function
getsize	function
getstatus	function
getstream	function
getstring	function
gettrailer	function
getversion	function
new	function
objectcodes	data table
open	function
openfile	function
openstream	function
pagestotable	function
readfromstream	function
readwholestream	function
type	function
unencrypt	function

physics (context)

units table

D tables

F registerunit

pngdecode (extra tex)

applyfilter function

expand function

interlace function

splitmask function

tocmyk function

publications (context)

addtexentry function
analyze function
anywhere function
authorcache data table
authorcollapsers data table
authorhashers table

F invertedshort
F normal
F normalinverted
F normalshort
F sequential
F sequentialshort
F short

authormap data table
authortoregister function
casters table

F author
F keyword
F pagenumber
F range

checkeddataset function
citevariants table

F author
F authornum
F authoryear
F authoryears
F category
F default
F entry

F index
F keywords
F num
F page
F short
F tag
F textnum
F year

collected data table
components table

F author

concatstate function
converttoxml function
currentspecification table

S author
T categories
T article
S category
T extra
T fields
S author
S editor
S journal
S keywords
S note
S number
S pages
S title
S volume

S year	S author
T optional	S institution
T required	S organization
T sets	S subtitle
T author	S title
T virtual	S year
T book	T optional
S category	T required
T extra	T sets
T fields	T author
S address	T virtual
S author	T demo-b
S edition	S category
S editor	T extra
S keywords	T fields
S note	S author
S number	S institution
S publisher	S organization
S subtitle	S subtitle
S title	S title
S volume	S year
S year	T optional
T optional	T required
T required	T sets
T sets	T authors
T author	T virtual
T editionset	S comment
T virtual	S copyright
T demo-a	T fields
S category	S name
T extra	T types
T fields	S author

- S editor
- S keywords
- S number
- S page
- S pages
- S volume
- S version
- D virtual
- T virtualfields
- B authornum
- B authoryear
- B authoryears
- B num
- B suffix

datasets table

detailed table

endnotes_to_btx function

enhancer table

- S arguments
- T askip
- B dirty
- T gskip
- T kind
- T list
- T system
- T order
- N steps

enhancers table

- F details
- F order
- F suffixes

finder function

firstofrange function

found function

get function

getcasted function

getdetail function

getdirect function

getfaster function

getfield function

getfuzzy function

getindex function

inspectors data table

journals table

- F abbreviated
- F add
- F expanded
- F load
- F save

lastofrange function

lists table

- F collectentries
- F combiinlist
- F fetchentries
- F filterall
- F flushcombi
- F flushentry
- F flushtag
- T methods
- F dataset
- F force
- F global
- F local
- F nofregistered

- F prepareentries
- F register
- F sameasprevious
- T sorters
 - F cite
 - F dataset
 - F default
 - F index
 - F list
 - F reference
 - F short
 - F used
- F uservariable

listvariants table

- F default
- F index
- F num
- F short
- F tag

load function

loadbibdata function

loaddefinitionfile function

loaders table

- F bbl
- F bib
- F buffer
- F endnote
- F json
- F lua
- F refman
- F registercleaner
- F xml

- loadreplacementfile** function
- new** function
- okay** function
- oneorrange** function
- parenttag** function
- permitted** function
- prerollcmdstring** function
- refman_to_btx** function
- resolvedname** function
- save** function
- savers** table

- F bib

- F lua

- F xml

search function

setcategory function

setspecification function

singularorplural function

sortedentries function

sortmethods table

- T authoryear

- T sequence

specifications table

- T default

- S author

- S comment

- S copyright

- S name

- S version

- D virtual

splitauthor function

splitoneauthor function

statistics

N nofbytes
N nofdatasets
N nofdefinitions
N nofshortcuts

table

tables

D implicits
D origins
D privates
D sets
D specials
D types
D virtuals

table

tags

function

tracers

table

F showdatasetauthors
F showdatasetcompleteness

F showdatasetfields

F showentry

F showfields

F showhashedauthors

F showtables

F showvariants

typesetters

table

F author

F string

usedataset

function

usedentries

function

writers

table

F author

F keyword

F pagenumber

F range

regimes (context)

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

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

resolvers (context)

allprefixes	function	filtered_from_content	function
appendhash	function	find_file	function
automount	function	find_files	function
booleanvariable	function	findbinfile	function
cacheversion	string	findctxfile	function
checkedvariable	function	finders	data table
cleanedpathlist	function	findfile	function
cleanpath	function	findfiles	function
cleanpathlist	function	findgivenfile	function
concatinators	data table	findgivenfiles	function
configbanner	string	findlib	function
configurationfiles	function	findpath	function
dangerous	data table	findtexfile	function
datastate	function	findwildcardfile	function
defaultsuffixes	table	findwildcardfiles	function
dirstatus	function	formatofsuffix	function
dowithfilesandreport	function	formatofvariable	function
dowithfilesintree	function	formats	data table
dowithpath	function	foundintree	function
dowithvariable	function	foundintrees	function
executers	table	generators	data table
expandbraces	function	get_from_content	function
expandedpathfromlist	function	getenv	function
expandedpathlist	function	getextrapaths	function
expandedpathlistfromvariable	function	getfilehashes	function
expandpath	function	gethashes	function
expandpathfromvariable	function	getownpath	function
expansion	function	getreadfilename	function
extendtexmfvariable	function	hashers	data table

homedir	string	F convertfile	
initialized	function	F decodecomment	
installinputfilehandler	function	F enablecomment	
installinputlinehandler	function	F encodecomment	
jobpath	function	F preprocessed	
jobs	table	F processmk	
F currentcomponent		F processmklx	
F currentenvironment		F processmkvi	
F currentproduct		F version	
F currentproject		maxreadlevel	number
F justacomponent		methodhandler	function
D processors		openbinfile	function
F productcomponent		openers	data table
F usefile		openfile	function
joinpath	function	opentexfile	function
knownvariables	function	ownpath	string
libraries	table	popextrapath	function
F optionalloaded		popinputname	function
F validoptional		poppath	function
load	function	prefixes	data table
loadbinfile	function	prependhash	function
loaders	data table	pushextrapath	function
loadlualib	function	pushinputname	function
loadtexfile	function	pushpath	function
loadtime	function	registerextrapath	function
locateformat	function	registerfile	function
locators	data table	registerfilehash	function
luacnffallback	string	registerintrees	function
luacnfname	string	registermethod	function
luacnfspec	string	registerzipfile	function
luacnfstate	string	relations	data table
macros	table	renew	function

renewcache	function	splitexpansions	function
repath	function	splitmethod	function
reset	function	splitpath	function
resetextrapaths	function	stackpath	function
resetmemstream	function	starttiming	function
resetresolve	function	stoptiming	function
resolve	function	suffixes	data table
savers	data table	suffixmap	data table
scandata	function	suffixoffformat	function
scanfiles	function	texdatablob	function
schemes	table	toppath	function
T cleaners		unexpandedpath	function
F md5		unexpandedpathlist	function
F none		unresolve	function
F strip		updaterelations	function
F cleannname		updatescript	function
F fetchstring		uselibrary	function
F fetchtable		usertypes	data table
F install		usezipfile	function
setdynamic	function	validatedpath	function
setenv	function	variable	function
setmemstream	function	variableoffformat	function
showpath	function	variableoffformatorsuffix	function
simplescanfiles	function	wildcardpattern	function
splitconfigurationpath	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

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

getdata function

getinjector function

getsplitter function

getstatus function

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

numbertodataset data table

numbertohandler data table

reset function

set function

setstatus function

splitters data table

set (context)

contains function

create function

tolist function

tonumber function

totable function

sha2 (extra lua)

HASH256	function
HASH384	function
HASH512	function
HEX256	function
HEX384	function
HEX512	function
digest256	function
digest384	function
digest512	function

hash256	function
hash384	function
hash512	function
hex256	function
hex384	function
hex512	function
sum256	function
sum384	function
sum512	function

sio (extra lua)

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

socket (extra lua)

BLOCKSIZE	number	S bcc
_DATAGRAMSIZE	number	S cache-control
_SETSIZE	number	S cc
_SOCKETINVALID	number	S comments
bind	function	S connection
choose	function	S content-description
connect	function	S content-disposition
connect4	function	S content-encoding
connect6	function	S content-id
dns	table	S content-language
F getaddrinfo		S content-length
F gethostname		S content-location
F getnameinfo		S content-md5
F tohostname		S content-range
F toip		S content-transfer-encoding
gettime	function	S content-type
headers	table	S cookie
T canonic		S date
S accept		S diagnostic-code
S accept-charset		S dsn-gateway
S accept-encoding		S etag
S accept-language		S expect
S accept-ranges		S expires
S action		S final-log-id
S age		S final-recipient
S allow		S from
S alternate-recipient		S host
S arrival-date		S if-match
S authorization		S if-modified-since

S if-none-match
S if-range
S if-unmodified-since
S in-reply-to
S keywords
S last-attempt-date
S last-modified
S location
S max-forwards
S message-id
S mime-version
S original-envelope-id
S original-recipient
S pragma
S proxy-authenticate
S proxy-authorization
S range
S received
S received-from-mta
S references
S referer
S remote-mta
S reply-to
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 digitsmaximum	
N digitsoffset	
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
callbacks	function
checkfmtstatus	function
currenttime	function
elapsed	function
elapsedindeed	function
elapsedseconds	function
elapsedtime	function
enable	boolean
formatruntime	function
hastiming	function
memused	function

register	function
resettiming	function
runtime	function
savefmtstatus	function
show	function
showmemory	function
showusage	function
starttiming	function
stoptiming	function
threshold	number
timed	function
tracefunction	function

status (basic tex)

getbufferstate	function
getcallbackstate	function
getconstants	function
geterrorlinestate	function
geterrorstate	function
getexpandstate	function
getextrastate	function
getfilestate	function
getfontstate	function
gethalferrorlinestate	function
gethashstate	function
getinputstate	function
getlanguagestate	function
getlookupstate	function
getluastate	function

getmarksstate	function
getneststate	function
getnodestate	function
getparameterstate	function
getpoolstate	function
getreadstate	function
getsavestate	function
getsparsestate	function
getstringstate	function
gettexstate	function
gettokenstate	function
getwarningstate	function
iocodes	table
list	function
resetmessages	function

storage (context)

allocate	function
data	table
mark	function
marked	function
max	number
min	number
nofmodules	number

noftables	number
register	function
shared	data table
storedfunctions	data table
strip	boolean
tofmodules	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
autosingle	function
booleanstring	function
byte	function
bytepairs	function
bytes	function
bytetable	function
char	function
characterpairs	function
characters	function
checkedsplit	function
collapsespaces	function
containsws	function
count	function
dawson	function
dump	function
erf	function
erfc	function
erfcx	function
erfi	function
escapedpattern	function
escapedquotes	function
explode	function
f6	function
find	function
format	function
formatter	function
formatters	function
fullstrip	function

gmatch	function
gsub	function
is_boolean	function
is_empty	function
itself	function
len	function
limit	function
linetable	function
longtostring	function
lower	function
match	function
nospaces	function
nspaces	table
optionalquoted	function
pack	function
packsize	function
quote	function
quoted	function
rep	function
replacenewlines	function
reverse	function
split	function
splitlines	function
splitup	function
strip	function
sub	function
tformat	function
toHEX	function
toboolean	function

tobytes	function	unquote	function
tocontext	function	unquoted	function
todec	function	upper	function
todimen	function	utfcharacter	function
tohex	function	utfcharacters	function
tonodes	function	utfcharacter table	function
topattern	function	utflength	function
totable	function	utfpadd	function
tounicode16	function	utfpadding	function
toutf	function	utfvalue	function
toutf32	function	utfvalues	function
toutf8	function	utfvaluetable	function
tracedchar	function	valid	function
tracedchars	table	voigt	function
unpack	function	voigt_hwhm	function

structures (context)

atlocation	function	F add
blocks	table	F analyze
D collected		F check
F define		D collected
F print		F compact
F save		F converted
F select		F currentvalue
F setstate		D data
D states		F define
D tobесaved		F first
F uservariable		F get
bookmarks	table	F last
T extras		F next
F get		F prev
F mergesections		F previous
F register		F raw
F reset		F record
F tosections		F reset
F finalize		F restart
F flatten		F restore
F installhandler		F save
F merge		F set
S method		F setlevel
F overload		F setoffset
F place		F setown
F register		F setstate
F setopened		F setvalue
F setup		T specials
counters	table	F userpage

F subs	
D tobesaved	
F value	
F way	
currentsectionnumber	function
descriptions	table
documents	table
D data	
F initialize	
F preset	
F reset	
floats	table
formulas	table
helpers	table
F analyze	
F formulanumber	
F merged	
F page	
F pageofinternal	
F prefix	
F prefixlastpage	
F prefixpage	
F simplify	
F title	
F touserdata	
inserts	table
D data	
F define	
F getdata	
F getlocation	
F getname	
F getnumber	

F setlocation	
F setup	
D stored	
itemgroups	table
lists	table
F addto	
F analyze	
B autoreorder	
D cached	
D collected	
F discard	
F enhance	
T enhancers	
F filter	
F formulanumber	
F getresult	
F groupindex	
F hasnumberdata	
F haspagedata	
F hastitledata	
F iscached	
D kinds	
F label	
F location	
D names	
F number	
D ordered	
F page	
F popnesting	
F prefix	
F prefixednumber	
F prefixedpage	

F process
D pushed
F pushnesting
F realpage
F reordered
T result
F savedlistnumber
F savedlistprefixednumber
F savedlisttitle
D sectionblocks
F sectionnumber
F size
F title
D tobesaved
F userdata
F uservalue

marks **table**

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

F title
T tracers
F showtable

notes **table**

F check_spacing
F checkpagechange
F define
F doifonsamepageasprevious
F get
F getdeltapage
F getinternal
F getn
F getstate
F hascontent
F internal
F internalid
F listindex
T numbers
F ordered
F postpone
F resetpostponed
F restore
F save
F setstate
D states
F store

pages **table**

F allmarked
F analyze
D collected
F fraction
F in_body

F is_odd
F mark
F marked
N nopages
F number
F on_right
F save
D tobesaved
F toranges

table

references

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

table

F sort
F store
D tobesaved
F unique
F userdata

sections table

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

F reportstructure
F save
T sectionblockdata
T bodypart
S bookmark

F set
F setblock
F setchecker
F setentry
F setinitialblock
F setlevel
F setnumber
F showstructure
F structuredata
F title
D tobesaved
F typesetnumber
F userdata
B verbose

sets table

F define
F get
F getall
D setlist

specials table

D collected
F retrieve
F store
D tobesaved

synonyms table

F analyzed
D collected

- F compare
- F define
- F filter
- F finalize
- F flush
- F isshown
- F isused
- F meaning
- F prepare
- F process
- F register
- F registershown
- F registerused
- F resetshown
- F resetused
- F sort
- F synonym
- D tobesaved

table

- F current
- F elementtag
- F finishexport
- F getextradata
- F getid
- F getmetadata
- F gettablecell
- F gettabulatecell
- F handler
- F initializeexport
- D labels
- F last
- F lastinchain

- F locatedtag
- T patterns
- U splitter
- D properties
- F registerextradata
- F registermetadata
- F restart
- F setaspect
- F setattributehash
- F setcombination
- F setconstruct
- F setfigure
- F setfloat
- F setformulacontent
- F sethighlight
- F setitem
- F setitemgroup
- F setlist
- F setnotation
- F setnotationsymbol
- F setparagraph
- F setproperty
- F setpublication
- F setregister
- F setsorting
- F setsynonym
- F settablecell
- F settabulatecell
- F settagdelimitedsymbol
- F settagsubsentencesymbol
- F setupexport
- F setuserproperties

D specifications

F start

F stop

F strip

D taglist

T usewithcare

T images

table (basic lua)

<code>allkeys</code>	function
<code>append</code>	function
<code>are_equal</code>	function
<code>collapsed</code>	function
<code>collapsedhash</code>	function
<code>compact</code>	function
<code>concat</code>	function
<code>contains</code>	function
<code>copy</code>	function
<code>count</code>	function
<code>derive</code>	function
<code>deserialize</code>	function
<code>drop</code>	function
<code>fastcopy</code>	function
<code>fastserialize</code>	function
<code>filtered</code>	function
<code>flattened</code>	function
<code>fromhash</code>	function
<code>getmetatablekey</code>	function
<code>getn</code>	function
<code>has_one_entry</code>	function
<code>hashed</code>	function
<code>identical</code>	function
<code>imerge</code>	function
<code>merged</code>	function
<code>insert</code>	function
<code>is_empty</code>	function
<code>is_simple_table</code>	function
<code>keys</code>	function

<code>load</code>	function
<code>loweredkeys</code>	function
<code>makeweak</code>	function
<code>merge</code>	function
<code>merged</code>	function
<code>mirrored</code>	function
<code>move</code>	function
<code>ordered</code>	function
<code>orderedhash</code>	function
<code>pack</code>	function
<code>prepend</code>	function
<code>print</code>	function
<code>remove</code>	function
<code>reverse</code>	function
<code>reversed</code>	function
<code>save</code>	function
<code>sequenced</code>	function
<code>serialize</code>	function
<code>setmetatablecall</code>	function
<code>setmetatableindex</code>	function
<code>setmetatableindices</code>	function
<code>setmetatablekey</code>	function
<code>setmetatablenewindex</code>	function
<code>sort</code>	function
<code>sorted</code>	function
<code>sortedhash</code>	function
<code>sortedhashkeys</code>	function
<code>sortedhashonly</code>	function
<code>sortedindexonly</code>	function

sortedkeys	function	tohandle	function
sortedpairs	function	tohash	function
sparse	function	toxml	function
strip	function	twowaymapper	function
sub	function	unique	function
swapped	function	unnest	function
tocontext	function	unpack	function
tocsv	function	values	function
tofile	function		

tex (basic tex)

attribute	table	forcesynctexline	function
badness	function	forcesynctextag	function
box	table	fprint	function
boxresources	table	frozenparcodes	data table
F getbox		get	function
F getdimensions		getattribute	function
F save		getbox	function
F use		getboxdir	function
catcode	table	getboxresourcebox	function
chardef	function	getboxresourcedimensions	function
conditionals	data table	getcatcode	function
constants	data table	getcount	function
count	table	getdelcode	function
cprint	function	getdelcodes	function
ctdcatcodes	number	getdimen	function
ctxcatcodes	number	geterrorvalues	function
definefont	function	getflagvalues	function
delcode	table	getfontoffamily	function
dimen	table	getfrozenparvalues	function
directives	data table	getglue	function
enableprimitives	function	getglyphdata	function
error	function	getglyphoptionvalues	function
experiments	data table	getglyphscript	function
extraprimitives	function	getglyphstate	function
fatalerror	function	getgroupvalues	function
flagcodes	data table	gethelptext	function
fontidentifier	function	gethyphenationvalues	function
fontname	function	getintegervalue	function
forcehmode	function	getinteraction	function

getiovalues	function
getlargestusedmark	function
getlccode	function
getlinedir	function
getlist	function
getlocallevel	function
getmark	function
getmath	function
getmathcode	function
getmathcodes	function
getmathdir	function
getmodevalues	function
getmuglue	function
getmuskip	function
getnest	function
getnormalizevalues	function
getoutputactive	function
getpagestate	function
getpardir	function
getsfcode	function
getskip	function
getsynctexline	function
getsynctexmode	function
getsynctextag	function
gettextdir	function
gettoks	function
getuccode	function
glue	table
glyphoptioncodes	data table
groupcodes	data table
hashtokens	function
hyphenationcodes	data table

ifs	data table
inicatcodes	number
integerdef	function
isattribute	function
isbox	function
iscount	overloaded function
isdefined	function
isdimen	overloaded function
isglue	function
ismuglue	function
ismuskip	overloaded function
isprintable	function
isskip	overloaded function
istoken	function
istoks	function
lastnodetype	function
lccode	table
linebreak	function
lists	table
luacatcodes	number
magicconstants	table
N maxdimen	
N running	
N trueinch	
mathchardef	function
mathcode	table
modelevels	table
N horizontal	
N math	
N unset	
N vertical	
modes	data table

mprint	function	setglyphscript	function
muglue	table	setglyphstate	function
muskip	table	setintegervalue	function
nest	table	setinteraction	function
nilcatcodes	number	setlccode	function
notcatcodes	number	setlinedir	function
number	function	setlist	function
poplocal	function	setmath	function
primitives	function	setmathcode	function
print	function	setmathdir	function
prtcacodes	number	setmuglue	function
pushlocal	function	setmuskip	function
quitlocal	function	setnest	function
quittoks	function	setpardir	function
resetparagraph	function	setsfcode	function
romannumeral	function	setskip	function
round	function	setsynctexline	function
runlocal	function	setsynctexmode	function
runtoks	function	setsynctextag	function
saveboxresource	function	settettdir	function
scale	function	settoks	function
scantoks	function	setuccode	function
set	function	sfcode	table
setattribute	function	shipout	function
setbox	function	showcontext	function
setboxdir	function	skip	table
setcatcode	function	sp	function
setcount	function	splitbox	function
setdelcode	function	sprint	function
setdimen	function	systemmodes	data table
setglue	function	takebox	function
setglyphdata	function	texcatcodes	number

toks	table	txtcatcodes	number
tonumber	function	type	function
toscaled	function	uccode	table
tpacatcodes	number	uprint	function
tpbcacodes	number	useboxresource	function
tprint	function	vrbcacodes	number
trackers	data table	write	function
triggerbuildpage	function		

texconfig (basic tex)

buffer_size	number
error_line	number
expand_depth	number
firstline	string
formatname	string
function_size	number
half_error_line	number
hash_extra	number
init	overloaded function
kpse_init	boolean
max_in_open	number

max_pool	number
max_print_line	number
max_strings	number
nest_size	number
node_size	number
param_size	number
properties_size	number
save_size	number
shell_escape	string
stack_size	number
token_size	number

texio (basic tex)

closeinput function

terminal function

write function

write_nl function

token (basic tex)

accessors table

F active
F cmd
F cmdchrcls
F cmdname
F command
F csname
F expandable
F frozen
F index
F name
F protected
F range

create function
expand function
expand_macro function
future_expand function
get_active function
get_cmdchrcls function
get_cmdname function
get_command function
get_csname function
get_cstoken function
get_expandable function
get_fields function
get_flags function
get_frozen function
get_id function
get_immutable function

get_index function
get_instance function
get_integer function
get_macro function
get_meaning function
get_noaligned function
get_parameters function
get_permanent function
get_primitive function
get_protected function
get_range function
get_tok function
get_tolerant function
getcommandid function
getcommandvalues function
getfunctionvalues function
getprimitives function
gobble function
gobble_dimen function
gobble_integer function
is_defined function
is_next_char function
is_token function
new function
peek_next function
peek_next_char function
peek_next_expanded function
pop_macro function
push_macro function

put_back	function	scan_luainteger	function
put_next	function	scan_luanumber	function
save_lua	function	scan_next	function
scan_argument	function	scan_next_char	function
scan_box	function	scan_next_expanded	function
scan_cardinal	function	scan_real	function
scan_char	function	scan_skip	function
scan_cmdchr	function	scan_string	function
scan_cmdchr_expanded	function	scan_token	function
scan_code	function	scan_token_code	function
scan_csname	function	scan_tokenlist	function
scan_delimited	function	scan_toks	function
scan_dimen	function	scan_value	function
scan_dimen_argument	function	scan_word	function
scan_float	function	serialize	function
scan_glue	function	set_char	function
scan_integer	function	set_integer	function
scan_integer_argument	function	set_lua	function
scan_key	function	set_macro	function
scan_keyword	function	skip_next	function
scan_keyword_cs	function	skip_next_expanded	function
scan_letters	function	type	function
scan_luacardinal	function	undefine_macro	function

tokens (context)

astable function

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 scratchtoks
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

commands data table

compile function

constant function

converters table

- S toboolean

- S todimen

- S toglue

- S tonumber

- S tostring

create function

defined function

flags function

getinteger function

getters table

- F box

- F count

- F cstoken

- F dimen

- F glue

- F macro

- F meaning

- F skip

- F token

isdefined function

istoken function

new function

pickup function

popmacro function

presets table

- T 1 argument

- T 1 string

- T 2 arguments

- T 2 strings

- T 3 arguments

- T 3 strings

- T 4 arguments

- T 4 strings

- T 5 strings

- T 6 strings

- T 7 strings

- T 8 strings

pushmacro function

scanners table

- F argument

- F argumentasis

- F array

- F boolean

- F box

- F bracketed

- F bracketedasis

- F cardinal

- F char

- F cmdchr

- F cmdchrexploded

- F code

- F conditional

- F count

- F csname

- F delimited

- F dimen

F dimenargument
F dimension
F float
F glue
F gluespec
F gluevalues
F hash
F hbox
F integer
F integerargument
F ischar
F key
F keyword
F keywordcs
F letters
F list
F luacardinal
F luainteger
F luanumber
F lxmlid
F next
F nextexpanded
F number
F optional
F peek
F peekchar
F peekexpanded
F real
F scanclose
F scanopen
F skip
F skipexpanded

F string
F table
F token
F tokencode
F tokenlist
F tokens
F toks
F value
F vbox
F verbatim
F vtop
F whd
F word

setinteger function

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	F scandimension
N escape	F scanglue
N ignore	F scangluespec
N invalid	F scangluevalues
N letter	F scanhash
N mathshift	F scanhbox
N open	F scaninteger
N other	F scanintegerargument
N parameter	F scankeyword
N space	F scankeywordcs
N subscript	F scanletters
N superscript	F scanlist
N whitespace	T scanners
N close	F argument
F inspect	F argumentasis
N open	F array
F report	F boolean
F scanargument	F box
F scanargumentasis	F bracketed
F scanarray	F bracketedasis
F scanboolean	F cardinal
F scanbox	F char
F scanbracketed	F cmdchr
F scanbracketedasis	F cmdchrexplained
F scancardinal	F code
F scanclose	F conditional
F scancode	F count
F scanconditional	F csname
F scancsname	F delimited
F scandelimited	F dimen
F scandimen	F dimenargument
F scandimenargument	F dimension

F float	F token
F glue	F tokencode
F gluespec	F tokenlist
F gluevalues	F tokens
F hash	F toks
F hbox	F value
F integer	F vbox
F integerargument	F verbatim
F ischar	F vtop
F key	F whd
F keyword	F word
F keywordcs	F scannumber
F letters	F scanopen
F list	F scanoptional
F luacardinal	F scanstring
F luainteger	F scantable
F luanumber	F scantokenlist
F lxmlid	F scantoks
F next	F scanvbox
F nextexpanded	F scanverbatim
F number	F scanvtop
F optional	F scanword
F peek	F toboolean
F peekchar	F todimen
F peekexpanded	T tokens
F real	F astable
F scanclose	T cache
F scanopen	U NC
F skip	U NR
F skipexpanded	U bf
F string	U color
F table	U colordefalc

U colordefflc	U texsetup
U colordefflt	U xmlw
U colordefrlt	D commands
U dofinishreference	F compile
U dostarttext	F constant
U finishjob	T converters
U firstofoneargument	S toboolean
U firstoftwoarguments	S todimen
U gobbleoneargument	S toglue
U goto	S tonumber
U iftrue	S toString
U input	F create
U loadfoundtypescriptfile	F defined
U resetctxscanner	F flags
U rlap	F getinteger
U scratchcounter	T getters
U scratchdimen	F box
U scratchmuskip	F count
U scratchskip	F cstoken
U scratchtoks	F dimen
U secondoftwoarguments	F glue
U setfalsevalue	F macro
U setsectionblock	F meaning
U setupsystem	F skip
U startcolumns	F token
U starttabulate	F isdefined
U starttitle	F istoken
U startxtitle	F new
U stopcolumns	F pickup
U stoptabulate	F popmacro
U stoptitle	T presets
U stopxtitle	F pushmacro

F setinteger
T setters
F box
F char
F count
F dimen
F glue
F lua
F macro
F skip
T shortcuts
N close
F inspect
N open
F report
F scanargument
F scanargumentasis
F scanarray
F scanboolean
F scanbox
F scanbracketed
F scanbracketedasis
F scancardinal
F scanclose
F scancode
F scanconditional
F scancsname
F scandelimited
F scandimen
F scandimenargument
F scandimension

F scanglue
F scangluespec
F scangluevalues
F scanhash
F scanhbox
F scaninteger
F scanintegerargument
F scankeyword
F scankeywordcs
F scanletters
F scanlist
F scannumber
F scanopen
F scanoptional
F scanstring
F scantable
F scantokenlist
F scantoks
F scanvbox
F scanverbatim
F scanvtop
F scanword
F toboolean
F todimen
F tonumber
F tostring

D values

F tonumber

F tostring

values data table

tracers (context)

count	function	primitive	function
cs	function	prnterror	function
dimen	function	prntwarning	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
default	function
disable	function
done	table
dumphashtofile	function
enable	function
list	function

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

typesetters (context)

alignments table

F handler
F set

breakpoints table

F define
F handler
D mapping
T methods
T numbers
F set
F setreplacement

cases table

T actions
F handler
F register
F set

characteralign table

F handler
F resetcharacteralign
F setcharacteralign

characters table

F handler
T methods
F replacensbp
F replacenspaces

checkers table

F handler
F reset
F set

cleaners table

F handler
F set

digits table

T actions
F handler
F set

directions table

F getfences
F getglobal
F getmethod
F handler
T handlers
F installhandler
F processmath
F set
F setcolor
F setmath
F tomode

firstlines table

T actions
F default
F line
F word
F handler
F set

fontkerns table

F handler

initials table

T actions

F default

F addanchortoline

F addtoline

F calculatedelta

F checkline

F handler

F moveinline

F normalize

F set

injectors table

F check

T list

F mark

F reset

F set

F show

italics table

F enablemath

F enabletext

F forcevariant

F handler

F reset

F set

kerns table

D factors

F handler

F keepligature

D mapping

F set

manipulators table

F apply

F applyspecification

T methods

F Word

F Words

F abbreviatedjournal

F expandedjournal

F lowercase

F stripperperiod

F uppercase

T patterns

U list

U pair

F splitspecification

margins table

F finalhandler

F globalhandler

F localhandler

F save

marksuspects function

paragraphs table

F addanchortoline

F addtoline

F calculatedelta

F checkline

F handler

F moveinline

F normalize

F set

periodkerns table

D factors

F handler

D mapping

F set

processors table

F apply

F register

F reset

F split

F startapply

F stopapply

F stripped

F tostring

rubies table

F attach

F check

showsuspects function

spacings table

F define

F handler

D mapping

T numbers

T frenchpunctuation

T characters

S name

N number

F reset

F set

F setup

wrappers table

F handler

xtables table

F cleanup

F construct

F create

F finish_row

F flush

F initialize_construct

F initialize_reflow_height

F initialize_reflow_width

F next_row

F reflow_height

F reflow_width

F set_construct

F set_reflow_height

F set_reflow_width

updaters (context)

apply function

register function

url (context)

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

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

utf8 (basic lua)

char function
charpattern string
codepoint function

codes function
len function
offset function

utilities (context)

debugger table

F disable
F enable
F savestats
F showstats
F showtraceback

files table

F close
F getposition
F getsize
F look
F open
F read2dot14
F readbyte
F readbytes
F readbytetable
F readcardinal
F readcardinal1
F 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

ghostscript table

- F convert
- F statistics

graphicmagick table

- F convert
- F statistics

graphicsmagick table

- F convert
- F statistics

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 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

randomizers table

- F poisson

sequencers table

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

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

setters table

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

stacker table

- F new

storage table

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

streams table

- F close
- F getposition
- F getsizes
- F getstring

- F look
- F open
- F openstring
- F read2dot14
- F read2dot4
- F readbyte
- F readbytes
- F readbytetable
- F readcardinal
- F readcardinal1
- F readcardinal2
- F readcardinal2le
- F readcardinal3
- F readcardinal3le
- F readcardinal4
- F readcardinal4le
- F readcardinaltable
- F readchar
- F readfixed2
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger2
- F readinteger2le
- F readinteger3
- F readinteger3le
- F readinteger4
- F readinteger4le
- F readintegertable
- F readsignedbyte
- F readstring
- F setposition

F size

F skip

F skipbytes

F skiplong

F skipshort

strings table

F collapse

F collapsecrlf

T formatters

F add

F new

F newcollector

F newrepeater

F nice

T striplinepatterns

U collapse

U prune

U prune and collapse

U prune and no empty

U prune and to space

U retain

U retain and collapse

U retain and no empty

F striplines

F striplong

F tabtospace

T tracers

tables table

F accesstable

F definedtable

F definetable

F encapsulate

F insertaftervalue

F insertbeforevalue

F migratetable

F removevalue

F replacevalue

templates table

F load

F replace

F replacer

F resolve

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
registerescapeline	function	writespace	function
registerescapepattern	function		

xcomplex (extra lua)

I function
__add function
__div function
__eq function
__index table

F I
F __add
F __div
F __eq
T __index
F I
F __add
F __div
F __eq
F __mul
S __name
F __pow
F __sub
F __tostring
F __unm
F abs
F acos
F acosh
F arg
F asin
F asinh
F atan
F atanh
F conj

F cos
F cosh
F exp
F i
F imag
F log
F new
F pow
F proj
F real
F sin
F sinh
F sqrt
F tan
F tanh
F topair
F tostring
F __mul
S __name
F __pow
F __sub
F __tostring
F __unm
F abs
F acos
F acosh
F arg
F asin
F asinh

F atan
F atanh
F conj
F cos
F cosh
F exp
F i
F imag
F log
F new
F pow
F proj
F real
F sin
F sinh
F sqrt
F tan
F tanh
F topair
F toString
__mul function
__name string
__pow function
__sub function
__toString function
__unm function

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

xdecimal (extra lua)

__add function
__band function
__bor function
__bxor function
__div function
__eq function
__index table

F __add
F __band
F __bor
F __bxor
F __div
F __eq
T __index
F __add
F __band
F __bor
F __bxor
F __div
F __eq
F __le
F __lt
F __mul
S __name
F __pow
F __shl
F __shr
F __sub
F __tostring

F __unm
F abs
F band
F bor
F bxor
F conj
F copy
F exp
F getprecision
F ln
F log
F max
F min
F minus
F new
F plus
F pow
F rotate
F setprecision
F shift
F sqrt
F tonumber
F tostring
F trim
F __le
F __lt
F __mul
S __name
F __pow

F __shl	
F __shr	
F __sub	
F __tostring	
F __unm	
F abs	
F band	
F bor	
F bxor	
F conj	
F copy	
F exp	
F getprecision	
F ln	
F log	
F max	
F min	
F minus	
F new	
F plus	
F pow	
F rotate	
F setprecision	
F shift	
F sqrt	
F tonumber	
F tostring	
F trim	
__le	function
__lt	function
__mul	function

__name	string
__pow	function
__shl	function
__shr	function
__sub	function
__tostring	function
__unm	function
abs	function
band	function
bor	function
bxor	function
conj	function
copy	function
exp	function
getprecision	function
ln	function
log	function
max	function
min	function
minus	function
new	function
plus	function
pow	function
rotate	function
setprecision	function
shift	function
sqrt	function
tonumber	function
tostring	function
trim	function

xmath (extra lua)

acos	function
acosh	function
asin	function
asinh	function
atan	function
atan2	function
atanh	function
cbrt	function
ceil	function
copysign	function
cos	function
cosh	function
deg	function
erf	function
erfc	function
exp	function
exp2	function
expm1	function
fabs	function
fdim	function
floor	function
fma	function
fmax	function
fmin	function
fmod	function
frexp	function
gamma	function
hypot	function
inf	number

isfinite	function
isinf	function
isnan	function
isnormal	function
j0	function
j1	function
jn	function
ldexp	function
lgamma	function
log	function
log10	function
log1p	function
log2	function
logb	function
modf	function
nan	number
nearbyint	function
nextafter	function
pi	number
pow	function
rad	function
remainder	function
remquo	function
round	function
scalbn	function
sin	function
sinh	function
sqrt	function
tan	function

tanh	function
tgamma	function
trunc	function

y0	function
y1	function
yn	function

xml (context)

addentitiesdoctype	function
addspecialcode	function
after	function
all	function
applylpath	function
applyselector	function
assign	function
attribute	function
badinclusions	function
before	function
body	function
builtinentities	table
B amp	
B apos	
B gt	
B lt	
B quot	
CDATA	function
CDATATOTEXT	function
checkbom	function
checkerror	function
checknamespace	function
checkns	function
cleansed	function
collect	function
collect_elements	function
collect_tags	function
collect_texts	function
collected	function

collecttexts	function
compactelement	function
content	function
convert	function
copy	function
count	function
cprint	function
CSS	table
F applyselector	
F colorspecification	
F dimension	
F family	
F fontspecification	
F mappedstylevalue	
F padding	
F size	
F style	
F stylevalue	
F todimension	
F variant	
F weight	
defaulthandlers	table
D file	
D parsedxml	
D string	
D tex	
D texline	
D textspace	
D verbose	

defaultprotocol	string
delete	function
delete_element	function
despecialized	function
each	function
each_element	function
elements	function
elementtocdata	function
empty	function
entities	data table
erase	function
errorhandler	function
escaped	function
expressions	table

- F attribute
- F boolean
- F child
- F contains
- F count
- F error
- F find
- F hasclass
- F idstring
- F lower
- F name
- F number
- F oneof
- F print
- F quit
- F tag
- F text
- F undefined

F upper	
fillin	function
filter	function
finalizers	table

- F paragraphs
- T tex
- F all
- F attribute
- F chainattribute
- F chainpath
- F command
- F concat
- F concatrange
- F context
- F count
- F ctxtext
- F default
- F depth
- F first
- F function
- F index
- F last
- F lettered
- F lower
- F lowerall
- F match
- F name
- F param
- F parameter
- F position
- F reverse
- F stripped

F tag	first	function
F tags	found	function
F text	functions	table
F upper	F classes	
F upperall	F hasclass	
F xml	getbuffer	function
T xml	gethandlers	function
F all	gethandlersfunction	function
F att	helpers	table
F attribute	F recursetext	
F attributes	include	function
F cdata	inclusion	function
F chainattribute	inclusions	function
F count	index	function
F default	inheritattributes	function
F elements	inheritedconvert	function
F empty	inject	function
F first	inject_element	function
F function	inject_element_after	function
F index	inject_element_before	function
F last	injectafter	function
F lowerall	injectbefore	function
F match	insert	function
F name	insert_element	function
F position	insert_element_after	function
F reverse	insert_element_before	function
F table	insertafter	function
F tag	insertbefore	function
F tags	insertcdata	function
F text	insertcomment	function
F texts	inspect	function
F upperall	is_valid	function

kind	function
last	function
lastmatch	function
load	function
lpath	function
lpathcached	function
lpathcalls	function
lshow	function
makestandalone	function
match	function
name	function
newhandlers	function
nodesettostring	function
originalload	function
package	function
parent	function
parsedentitylpeg	userdata
pihandlers	table
F injector	
F tex	
placeholders	table
F unknown_any_entity	
F unknown_dec_entity	
F unknown_hex_entity	
popmatch	function
position	function
privatecodes	table
privatetoken	function
process	function
process_attributes	function
process_elements	function
processattributes	function

profiled	table
pure	function
pushmatch	function
raw	function
registerentity	function
registerns	function
reindex	function
remap_name	function
remap_namespace	function
remap_tag	function
remapname	function
remapnamespace	function
remaptag	function
rename	function
renamespace	function
reparsedentitylpeg	userdata
replace	function
replace_element	function
resetinjectors	function
resolvns	function
root	function
save	function
selection	function
separate	function
serialize	function
serializetotext	function
setcdata	function
setcomment	function
sethandlersfunction	function
setinjectors	function
setproperty	function
settings	function

specialcodes table

S "

S #

S \$

S %

S &

S '

S <

S >

S \

S {

S |

S }

S ~

specialhandler table

sprint function

string function

strip function

strip_whitespace function

stripelement function

stripleadingspaces function

table function

text function

textonly function

texttocdata function

tocdata function

toelement function

tostring function

totable function

toxml function

tprint function

traverse function

unescaped function

unescapedentitylpeg userdata

unprivatized function

unspecialized function

wipe function

withelement function

withelements function

wrap function

xmlns table

xzip (extra lua)

adler32 function
compress function
crc32 function

decompress function
expandsize function

zip (extra lua)

archives table

closearchive function

openarchive function

registeredfiles table

zlib (extra lua)

adler32 function

compress function

crc32 function

decompress function

expandsize function