

MP **aes** attributes backends **basexx** bibtex bit32
blobs boolean buffers builders bytemap caches
callback callbacks catcodes characters
chemistry commands containers context
converters **coroutine** ctxrunner **debug** dir
directives document documentdata drivers
effects environment experiments figures **file**
fio floats **font** fonts functions graphics gzip
helper images interactions interfaces **io** job
kpse **language** languages layouts **lfs** libraries
l_{mx} loaders logs lpdf **lpeg** **lua** **luac** luatex
lxml **math** mathematics **md5** metapost mime
moduledata modules mp **mplib** noads **node** nodes
number objects optional **os** **package**
pagebuilders parametersets pdf **pdfdecode** **pdfx**
physics **pngdecode** **posit** **potrace** publications
qrcodegen regimes resolvers sandbox scripts
serial set **sha2** **sio** **socket** sorters **sparse**
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 vector visualizers
xcomplex **xdecimal** **xmath** xml **xzip** zip zlib

ConTEXT LMTX

global (alias: _G)

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LUAFORMAT	number	document	table
LUAMAJORVERSION	number	documentdata	table
LUAMINORVERSION	number	dofile	function
LUATEXENGINE	string	drivers	table
LUATEXFORMATID	number	effects	table
LUATEXFUNCTIONALITY	number	environment	table
LUATEXVERBOSE	string	error	function
LUATEXVERSION	number	experiments	table
LUAVERSION	number	figures	table
MP	function	file	table
SAVEDREQUIRE	function	fio	table
aes	table	floats	table
arg	table	font	table
assert	function	fonts	table
attributes	table	functions	table
backends	table	getmetatable	function
basexx	table	graphics	table
bibtex	table	gzip	table
bit32	table	helper	table
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buffers	table	interactions	table
builders	table	interfaces	table
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callback	table	job	table
callbacks	table	kpse	table
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characters	table	languages	table
chemistry	table	layouts	table
collectgarbage	function	lfs	table
commands	table	libraries	table
containers	table	lmx	table
context	function	load	function
converters	table	loaders	data table
coroutine	table	loadfile	function
ctxrunner	table	loadstring	function
debug	table	logs	table
dimen	function	lpdf	table
dir	table	lpeg	table

lua	table	sandbox	table
luac	table	scripts	table
luatex	table	select	function
lxml	table	serial	table
math	table	set	table
mathematics	table	setinspector	function
md5	table	setmathparameters	function
metapost	table	setmetatable	function
mime	table	sha2	table
moduledata	table	sio	table
modules	table	socket	table
mp	function	sorters	table
mplib	table	sparse	table
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noads	table	status	table
node	table	storage	table
nodes	table	streams	table
number	table	string	table
objects	table	structures	table
optional	table	table	table
optionalrequire	function	tex	table
os	table	texconditionals	data table
package	table	texconfig	table
pagebuilders	table	texconstants	data table
pairs	function	texifs	data table
parametersets	table	texio	table
pcall	function	texisdefined	data table
pdf	table	texmodes	data table
pdfdecode	table	texsystemmodes	data table
pdfengine	table	thirddata	table
physics	table	toboolean	function
pngdecode	table	todecimal	function
posit	table	token	table
potrace	table	tokens	table
print	function	tonumber	function
publications	table	tostring	function
qrcodegen	table	tracers	table
rawequal	function	trackers	table
rawget	function	type	function
rawlen	function	typesetters	table
rawset	function	unpack	function
regimes	table	updaters	table
require	function	url	table
resolvers	table	userdata	table

utf	table	xdecimal	table
utf8	table	xmath	table
utilities	table	xml	table
vector	table	xpcall	function
visualizers	table	xzip	table
warn	function	zip	table
xcomplex	table	zlib	table

aes (extra lua)

decode function
encode function

random function

attributes (context)

alternates table

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

applyoverloads function

checkvalues 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 formatluminance
F formatluminanceratio
F getpagecolormodel
F gray
F graytohsv
F handler
T helpers
F complement
F inbetween
F justone
F hsvtorgay
F hsvtorgb
F hwbtorgb
F iccprofile
F isblack
F labtolch
F labtorgb
F labtoxyz
F lchtolab
F lchtorgb
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 rgbbytes
F rgbtocmyk
F rgbtorgay
F rgbtohsv

F	rgbtoxyz	F	register
N	selector	D	registered
F	setlist	F	set
F	setmodel	numbers	data table
F	setpagecolormodel	ofnode	function
D	sets	private	function
F	spec	public	function
F	spot	registervalue	function
F	spotcolorname	restore	function
F	spotcolorparent	save	function
F	spotcolorvalue	setcleaner	function
B	supported	showcurrent	function
F	toattributes	states	table
F	transparencycomponents	F	disabletriggering
B	triggering	F	enabletriggering
F	usecolors	F	finalize
D	valid	F	initialize
F	value	F	process
D	values	F	selective
B	weightgray	F	simple
F	xyztolab	F	stacked
F	xyztorgb	F	stacker
counts	data table	system	function
define	function	tooverloads	function
effects	table	transparencies	table
N	attribute	N	attribute
D	data	D	data
F	enable	F	enable
F	handler	F	forcesupport
F	register	F	handler
D	registered	T	names
D	values	N	color
getvalue	function	N	colorburn
getvalues	function	N	colordodge
handlers	table	N	darken
hasvalues	function	N	difference
list	data table	N	exclusion
markasoverload	function	N	hardlight
names	data table	N	hue
negatives	table	N	lighten
N	attribute	N	luminosity
D	data	N	multiply
F	enable	N	none
F	handler	N	normal

N overlay		F definedlayoutcomponent
N saturation		F enable
N screen		F forcesupport
N softlight		F handler
N none		B hasorder
F register		D listwise
D registered		F register
B supported		D registered
F toattribute		F resolve_begin
B triggering		F resolve_end
F value		F resolve_reset
D values		F resolve_step
unsetvalue	number	D scopes
values	data table	F setfeatures
viewerlayers	table	F setup
N attribute		F start
F cleanup		F stop
D data		B supported
F define		D values

backends (context)

closeout	function	F analyzenormalsymbol
codeinjections	table	F analyzesymbol
F registerboxresource		F attachmentid
F registerfont		F bitmap
F restoreboxresource		F clonefield
current	string	F copyimage
defaults	table	F defaultprofile
T codeinjections		F definefield
F prerollreference		F definefieldset
F setautoprefix		F defineviewerlayer
F vfstartcolor		F discardpages
F vfstopcolor		F embedfile
T nodeinjections		F embedimage
F cmykcolor		F enabletags
F destination		F exportformdata
F graycolor		F fieldsurrounding
F injectknockout		F flushmergelayer
F injectoverprint		F getbookmarks
F reference		F getboxresourcebox
F rgbcolor		F getdefaultfieldvalue
F spotcolor		F getfieldcategory
F transparency		F getfieldset
T registrations		F getformatoption
F transparency		F getinfo
D tables		F getlinkstructureparent
getcallbackstate	function	F getreferencestructureobject
included	table	F getrefobj
B context		F insertrenderingwindow
B date		F jp2
B id		F jpg
B metadata		F maptag
B pdf		F mergebookmarks
initialize	function	F mergecomments
latelua	function	F mergefields
nodeinjections	table	F mergereferences
nothing	function	F mergerenditions
openout	function	F mergeviewerlayers
registered	table	F newimage
T pdf		F png
T codeinjections		F prerollreference
F addbookmarks		F presetsymbol

F presetsymbollist	F useviewerlayer
F processrendering	F validcompactor
F registerdocumentcloseaction	F validfield
F registerdocumentopenaction	F validfieldcategory
F registeredsymbol	F validfieldset
F registerfiguremask	F vfstartcolor
F registerfigurerange	F vfstopcolor
F registerpagecloseaction	F wrapimage
F registerpageopenaction	S name
F registerpattern	T nodeinjections
F registersymbol	F addtags
F ruleactionbox	F annotation
F ruleactiondraw	F attachfile
F ruleactionfill	F changestackedlayer
F ruleactionmp	F cmykcolor
F ruleactionstroke	F comment
F saveboxresource	F destination
F scanimage	F effect
F setattachmentsupport	F getboxresourcedimensions
F setautoprefix	F graycolor
F setencryption	F injectbitmap
F setfieldcalculationset	F insertu3d
F setfigurecolorspace	F knockout
F setfiguremask	F negative
F setformat	F overprint
F setformsmethod	F positive
F setjobcomment	F reference
F setpagetransition	F rgbcolor
F settaggingsupport	F spotcolor
F setupviewerlayer	F startalternate
F setuserdata	F startlayer
F setxmpfile	F startstackedlayer
F startactualtext	F stopalternate
F startalternativetext	F stoplayer
F startlayer	F stopstackedlayer
F startunicodetoactualtext	F transparency
F startunicodetoactualtextdirect	F typesetfield
F stopactualtext	F useboxresource
F stopalternativetext	T registrations
F stoplayer	F cmykindexcolor
F stopunicodetoactualtext	F cmykspotcolor
F stopunicodetoactualtextdirect	F getspotcolorreference
F supportedformats	F grayindexcolor
F unicodetoactualtext	F grayspotcolor

F `rgbindexcolor`
F `rgbspotcolor`
F `spotcolorname`
F `transparency`
T `tables`

registrations table
setencryption function
tables table
writeout function

basexx (extra lua)

decode16 function
decode64 function
decode85 function
decodeLZW function
decodeRL function

encode16 function
encode64 function
encode85 function
encodeLZW function
encodeRL function

bit32 (context)

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
empty	function
erase	function
exists	function
get	function
getcontent	function
getctxlua	function
getlines	function
getmkvi	function
gettex	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
splitsamplefile	function
undent	function

builders (context)

checkparcontext	function	F start	
checksidefloat	function	F stop	
hpack	table	F tag	
F qualityactions			parpassidentifier function
F report			passnames data table
F show			profiling table
kernel	table	F add	
F collapsing		F addrivers	
F hyphenating		F boxlinehandler	
F kerning		F distance	
F ligaturing		F fixedprofile	
F mlisttohlist		F get	
paragraphs	table	F getrivers	
T constructors		F list	
N attribute		F pagehandler	
F define		F pagelinehandler	
F disable		F profilebox	
F enable		F profilelines	
F handler		F set	
T methods		F setlines	
F basic		registerpaspasscallback function	
F default		vpack table	
F hpack		F qualityactions	
F oneline		F report	
D names		vspacing table	
D numbers		D categories	
F set		F checkstrutdepth	
F start		F collapsevbox	
F stop		T data	
T expansion		D map	
F trace		D skip	
F kepttogether		D snapmethods	
F registertogether		F definesnapmethod	
T solutions		B fixed	
T splitters		F flushcontributions	
F define		F forcepageflush	
F optimize		F forcestrutdepth	
T registered		F getnofpreviouslines	
F reset		F inject	
F set		F injectdisable	
F split		F injectpenalty	

F injectskip
F interceptsamepagecontent
F pagehandler
F pageoverflow
F popatsame
F pushatsame
F setmap

F setskip
F snapbox
F synchronizepage
F tocategories
F tocategory
F vboxhandler

byte**map** (context)

bounds	function
clip	function
copy	function
downsample	function
getbyte	function
getbytes	function
getvalue	function
hasbytegray	function
hasbyterange	function
hasbytergb	function

new	function
process	function
reduce	function
reset	function
setgray	function
setrgb	function
slicegray	function
slicerange	function
slicergb	function

cache (context)

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

callback (basic tex)

find	function	list	function
getindex	function	names	function
getoptions	function	register	overloaded function
getoptionvalues	function	setoptions	function
getstate	function	setstate	function
getstatevalues	function	testonly	function
known	function	usage	function

callbacks (context)

freeze function

functions table

F start_page_number

F stop_page_number

getcomment function

getstates function

known function

list table

N alignment

N append_adjust

N append_line

N append_migrate

N append_to_vlist

N balance_boundary

N balance_check

N balance_insert

N begin_paragraph

N buildpage

N define_font

N find_format_file

N find_log_file

N get_attribute

N get_math_dictionary

N get_noad_class

N glyph_run

N handle_overload

N handle_uinsert

N handle_uleader

N hpack

N hpack_quality

N hyphenate

N insert_distance

N insert_par

N intercept_lua_error

N intercept_tex_error

N italic_correction

N kerning

N ligaturing

N linebreak

N linebreak_check

N linebreak_quality

N local_box

N make_extensible

N math_rule

N missing_character

N mlist_to_hlist

N open_data_file

N packed_vbox

N paragraph_context

N paragraph_pass

N post_linebreak

N pre_dump

N pre_linebreak

N pre_output

N process_character

N process_jobname

N quality_font

N register_extensible

N show_build

N show_error_message

N show_loners

N show_lua_call

N show_vsplitt

N show_warning_message

N show_whatsit

N start_file

N start_run

N stop_file

N stop_run

N tail_append

N test_only

N trace_memory

N vpack

N vpack_quality

N wrapup_run

names table

optimizer function

optionbits table

optioncodes table

N direct

N trace

pop function

push function
register function
report function
statebits table
statecodes table
N disabled
N frozen

N fundamental
N private
N selective
N set
N touched
N tracing

catcodes (context)

names data table
numbers data table

register function

characters (context)

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

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

chemistry (context)

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

containers (context)

cleanname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

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

uchexnumber
uchexnumbers
upper
verbose

D data

function
function
function
table

F translate

weekday
word
words

function
function
function

coroutine (basic lua)

close function
create function
isyieldable function
resume function

running function
status function
wrap function
yield function

ctxrunner (context)

load function
preparedfile function

prepfileresolve data table
resolve function

debug (basic lua)

getinfo function
sethook function

traceback function

dir (context)

collectpattern function
current function
expandlink 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
values	function

document (context)

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

documentdata (context)

variable function

drivers (context)

applyanchor	function	F rule
applyorientation	function	F simplerule
convert	function	F specialrule
converters	table	F updatefontstate
F analyze		T whatsit
F engine		S name
F lmtx		T json
F resyncbox		T actions
enable	function	F cleanup
finalize	function	F convert
gethpos	function	F finalize
gethrpos	function	F initialize
getpos	function	F outputfilename
getrpos	function	F prepare
getvpos	function	F wrapup
helpers	table	T flushers
initialize	function	F character
install	function	F popleaderlevel
instances	table	F pushleaderlevel
T empty		F rule
T actions		F setstate
F convert		F simplerule
F prepare		F specialrule
T flushers		F updatefontstate
F popleaderlevel		T whatsit
F pushleaderlevel		S name
T whatsit		T lua
S name		T actions
T js		F cleanup
T actions		F convert
F cleanup		F finalize
F convert		F initialize
F finalize		F outputfilename
F initialize		F prepare
F outputfilename		F wrapup
F prepare		T flushers
F wrapup		F character
T flushers		F popleaderlevel
F character		F pushleaderlevel
F popleaderlevel		F rule
F pushleaderlevel		F simplerule

F specialrule	T pdf	
F updatefontstate	T actions	
T whatsit	F cleanup	
S name	F convert	
T mpo	F finalize	
T actions	F initialize	
F finalize	F outputfilename	
F initialize	F prepare	
T flushers	F wrapup	
F character	T flushers	
F popleaderlevel	F character	
F pushleaderlevel	F flushimage	
F rule	F fontchar	
F simplerule	F group	
F specialrule	F literal	
T whatsit	F popleaderlevel	
S name	F poporientation	
T mps	F pushleaderlevel	
T actions	F pushorientation	
F cleanup	F restore	
F convert	F rule	
F finalize	F save	
F initialize	F setmatrix	
F outputfilename	F setstate	
F prepare	F simplerule	
F wrapup	F space	
T flushers	F specialrule	
F character	F startclipping	
F popleaderlevel	F startmatrix	
F pushleaderlevel	F startmirroring	
F rule	F startrotation	
F simplerule	F startscaling	
F specialrule	F stopclipping	
F updatefontstate	F stopmatrix	
T whatsit	F stopmirroring	
S name	F stoprotation	
T none	F stopscaling	
T actions	F updatefontstate	
T flushers	T whatsit	
F popleaderlevel	S name	
F pushleaderlevel	lmtxversion	number
T whatsit	outputfilename	function
S name	report	function

effects (context)

getoctaveloops	function
getoctavemethods	function
getoctavestatus	function
getoctavevariants	function
newoctave	function
octave	function

octavebytemap	function
perlinnoise	function
simplexangle	function
simplexdetail	function
simplexnoise	function
stepoctave	function

environment (context)

argument	function	luafilechunk	function
arguments	data table	luatexengine	string
basicengines	data table	luatexfunctionality	number
currentrun	number	luatexverbose	string
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
globfiles	function	prerollrun	boolean
homedir	string	rawarguments	data table
initex	boolean	reconstructcommandline	function
initexmode	boolean	relativepath	function
initializearguments	function	setargument	function
initializefilenames	function	splitarguments	function
inputfilebarename	string	suffix	string
inputfilename	string	texfile	function
inputfilesuffix	string	texmfos	string
jobfilefullname	string	texos	string
jobfilename	string	texroot	string
jobfilesuffix	string	truefilename	function
kindofrun	number	uselua module	function
lmtxmode	number	usemodules	function
loadexamodes	function	validengines	data table
loadluafile	function	version	string
luafile	function		

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
values	function

figures (context)

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

remappers	data table	setlookups	function
resources	data table	setorder	function
scale	function	setpaths	function
set	function	suffixes	data table
setconversion	function	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	readinteger1le	function
read2dot14	function	readinteger2	function
readbytes	function	readinteger2le	function
readbytetable	function	readinteger3	function
readcardinal1	function	readinteger3le	function
readcardinal1le	function	readinteger4	function
readcardinal2	function	readinteger4le	function
readcardinal2le	function	readintegertable	function
readcardinal3	function	setposition	function
readcardinal3le	function	skipposition	function
readcardinal4	function	writecardinal1	function
readcardinal4le	function	writecardinal1le	function
readcardinaltable	function	writecardinal2	function
readcline	function	writecardinal2le	function
readcstring	function	writecardinal3	function
readfixed2	function	writecardinal3le	function
readfixed4	function	writecardinal4	function
readinteger1	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	getmathspec	function
addquality	function	getparameterfields	function
current	function	gettextcharacterfields	function
define	function	id	function
getfont	function	max	function
getfontdimen	function	nextid	function
getfontfields	function	setfont	function
getfontspec	function	setfontdimen	function
getmathcharacterfields	function	xscaled	function
getmathindex	function	yscaled	function

fonts (context)

analyzers table

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

callbacks table

- F compile
- F devirtualize

checkers table

- F getmissing
- D mapping
- F missing
- F placeholder

cid table

- F getmap
- F loadfile

collections table

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

constructors table

- F addcharacters
- F addcoreunicodes
- F aftercopyingcharacters
- F applyfinalizers
- F applymanipulators
- F assignmathparameters
- F beforecopyingcharacters

- F beforepassingfonttotex

- D cache
- F calculatescale
- F checkedfeatures
- F checkedfilename
- F collectprocessors
- F currentfonthasfeature

- D designsizes
- F enhanceparameters

- T enhancers

- T afm
 - F apply
 - F patch
- T patches
 - F register
- F report

- F register
- F report

- T otf
 - F addfeature
 - F apply
 - F enhance
 - F patch
- T patches
 - F register
 - F report
- F register
- F report

- T tfm
 - F apply
 - F patch
- T patches
 - F register
 - F report
- F register
- F report

- N factor
- T features
 - D afm
 - D otf
 - D tfm

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

D pdfcache	T gsubhandlers
F plugininitializer	F alternate
F pluginprocessor	F chainedcontext
T plugins	F context
T text	F extension
D pngcache	F ligature
B pngenabled	F multiple
T readers	F reversechainedcontextsingl
F addunicodetable	F single
F avar	F gvar
F cbdt	F head
F cblc	T helpers
F cff	F axistofactors
F cff2	F cleanname
T cffencoder	F getaxisscale
F checkhash	F getfactors
F cmap	F getscales
F colr	F gotodatatable
F compact	F normalizedaxis
F condense	T normalizedaxishash
F cpal	F readvariationdata
F dsig	F reportskippedtable
F ebdt	F setvariabledata
F eblc	F hhea
F ebsc	F hmtx
F expand	F hvar
F extend	F kern
F fvar	F loadfont
F gdef	F loadshapes
F getcomponents	F loca
F getinfo	F math
F glyf	F maxp
F gpos	F mvar
T gposhandlers	F name
F chainedcontext	F os/2
F context	F pack
F cursive	F parsecharstrings
F extension	F post
F marktobase	F potracetocff
F marktligature	F registerextender
F marktomark	F rehash
F pair	F sbix
F single	F stat
F gsub	T streamreader

F close	F writecardinal1
F getposition	F writecardinal1le
F getsize	F writecardinal2
F look	F writecardinal2le
F open	F writecardinal3
F read2dot14	F writecardinal3le
F readbyte	F writecardinal4
F readbytes	F writecardinal4le
F readbytetable	F writeinteger1
F readcardinal	F writeinteger1le
F readcardinal1	F writeinteger2
F readcardinal1le	F writeinteger2le
F readcardinal2	F writeinteger3
F readcardinal2le	F writeinteger3le
F readcardinal3	F writeinteger4
F readcardinal3le	F writeinteger4le
F readcardinal4	F writestring
F readcardinal4le	F stripredundant
F readcardinaltable	F svg
F readchar	N tableversion
F readcline	F unifymissing
F readcstring	F unpack
F readfixed2	F vhea
F readfixed4	F vmtx
F readinteger	F vorg
F readinteger1	F vvar
F readinteger1le	F woff2otf
F readinteger2	F registerpalette
F readinteger2le	F registerplugin
F readinteger3	F reorderlookups
F readinteger3le	F scriptandlanguage
F readinteger4	F setdynamics
F readinteger4le	F setfeatures
F readintegertable	T statistics
F readsignedbyte	D usedfeatures
F readstring	D svgcache
F readtag	B svgenabled
F setposition	T tables
F size	D baselines
F skip	D features
F skiplong	D featuretypes
F skipposition	D languages
F skipshort	D scripts
F writebyte	F texthandler

T vectors	F combine	
T arab	T combiner	
T gpos	D commands	
N curs	D helpers	
N kern	D math	
N mark	D predefined	
N mkmk	N version	
T gsub	D whatever	
N calt	F hashfeatures	
N ccmp	F hashinstance	
N cswh	T hashmethods	
N dlig	F normal	
N fina	F virtual	
N init	F initializefeatures	
N isol	D loadedfonts	
N liga	N noffontsloaded	
N medi	N nofsharedfonts	
N mset	N nofsharedhashes	
N rclt	N nofsharedvectors	
N rlig	N privateoffset	
N version	D privateslots	
T pfb	F readanddefine	
F filterencoding	F registerfeature	
F filtermetadata	F registerscriptset	
F loadvector	F resetfeature	
N version	B resolvevirtualtoo	
T tfm	F scale	
D cache	F scaled	
D features	F setfactor	
N maxnestingdepth	F setfeature	
N maxnestingsize	F setmathparameter	
T readers	F setname	
F loadpk	B sharefonts	
F loadtfm	F trytosharefont	
F loadtfmvf	N version	
F loadvf	current	function
F pktopdf	currentid	function
F potracetopdf	definers	table
F showpk	F addlookup	
F reencode	F analyze	
F setfeatures	F applypostprocessors	
N version	F checkedmode	
T vf	F checkedscript	
T combinations	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 registerfallbackfont
- F registersplit
- F resetnullfont
- F resolve
- T resolvers
 - F file
 - F name
 - F spec

definetypeface function

dropins table

- F clone
- F getshape
- F getshapes
- F nextid
- F provide
- F registerglyph
- F registerglyphs
- F swap
- F swapone

effects table

encodings table

- T agl
 - D ctxcodes
 - D extras
 - 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 common-math.lfg
 - S author
 - S comment
 - S copyright
 - B initialized
 - T mathematics
 - T tweaks
- T presets
 - F addmathkerns
 - F braille
 - F eulertocalligraphic
 - F fallbacks
 - F moderntocalligraphic
 - F moveintegrals
 - F moveitalics
 - F pagellaradical
 - F rsfstoscript
 - F rsfsuprighttoscript
 - F scripttocalligraphic
 - F smallldigits
 - F wipeanchors
 - F wipeitalics

F xitsarabic
 S name
 S version
 T dejavu-math
 S author
 S comment
 S copyright
 B initialized
 T mathematics
 T alternates
 T dotless
 S comment
 S feature
 N value
 T bigslots
 T parameters
 N AccentBaseDepth
 N AccentTopShiftUp
 N DelimiterDisplayPercent
 N DelimiterDisplayShortfall
 N DelimiterPercent
 N DelimiterShortfall
 N DisplayOperatorMinHeight
 N FlattenedAccentTopShiftUp
 N FractionRuleThickness
 S PrimeBaselineDropMax
 S PrimeShiftUp
 S PrimeShiftUpCramped
 N SubscriptShiftDown
 S SubscriptShiftDownWithSuperscript
 N SuperscriptShiftUp
 T tweaks
 T aftercopying
 S name
 S version
 T dejavu-text
 S author
 S comment
 S copyright
 T extensions
 B initialized
 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 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 unislots
 D variants
 D xheights

helpers table

F addextraprivate
 F addprivate
 F appendcommands

F appendcommandtable	F startcolor	
F checkflags	F stopcolor	
F checkmerge	T vfspecials	
F checksteps	T backgrounds	
F collectanchors	T outlines	
F combineglyphs	infofont	function
D commands	iterators	table
F composecharacters	F characters	
F descriptiontoslot	F descriptions	
F dimenfactor	F glyphs	
F expandglyph	loggers	table
D extraprivates	F format	
F fontpatternhassize	F onetimemessage	
F getcoloredglyphs	F register	
F getdigitwidth	F reportdefinedfonts	
F getinstancespec	F reportusedfeatures	
F getparameters	mappings	table
F getprivatecharornode	F addtounicode	
F getprivatenode	F fromunicode16	
F getprivates	F getentry	
F getprivateslot	F loadfile	
F glyphdimenfactor	F loadline	
F hasprivate	F makenameparser	
F indextoslot	D overloads	
F isprivate	F reset	
F mathscriptslots	F tounicode	
F name	F tounicode16	
F nametoslot	F tounicode16sequence	
F newprivateslot	metapost	table
F prependcommands	F baseline	
F prependcommandtable	F boundingbox	
F privateslot	F boxtomp	
F registerglyphbox	F draw	
F scalecommands	F fill	
F setboxdirectly	F glyph	
F setboxglyph	F maxbounds	
F setboxglyphs	F paths	
F setdigitwidth	F widthline	
F setmetaglyph	F zeroline	
F setmetaglyphs	mode	function
D sharedprivates	names	data table
F splitfontpattern	nulldata	data table
F tochar	privateoffsets	table
T vfinjectors	B keepnames	

N mathbase		F registerfontalternative	
N mathextrabase		F registerfontfamily	
N textbase		F textfallback	
N textextrabase		F typeface	
protrusions	data table	F typescript	
readers	table	F userdata	
F afm		specifiers	table
F check_lua		D contextmerged	
F check_tfm		F contextnumber	
F lua		D contextnumbers	
F ofm		D contextsetups	
F opentype		F contexttstring	
F otf		F definecontext	
F pfb		F mergecontext	
D sequence		F presetcontext	
F tfm		F registercontext	
F ttc		T scriptsets	
F ttf		T af	
F woff		S language	
registersanitizer	function	N number	
reserveid	function	S script	
select	table	T always	
D alternatives		S autolanguage	
F bodyfont		S autoscript	
D data		B checkmissing	
F default		B curs	
D defaults		B kern	
F definefallbackfamily		B mark	
F definefontfamily		B mkmk	
F definefontfamilypreset		S mode	
D extras		N number	
F fallback		S script	
D fallbacks		S textcontrol	
F features		B wipemath	
F filefallback		T arabic	
F fontdata		B analyze	
F fontfallback		S autolanguage	
F fontsynonym		S autoscript	
F goodies		B calt	
F mathfallback		B ccmp	
D methods		B clig	
D presets		B curs	
F registerfallback		B dlig	
F registerfiles		B fina	

B init	S script
B isol	B vatu
B kern	T bengali-two
S language	B abvm
B liga	B abvs
B mark	B akhn
B medi	B blwf
B mkmk	B blwm
S mode	B blws
N number	B calt
B rlig	B cjct
S script	B dist
T ba	B half
S language	B haln
N number	S indic
S script	B init
T bandw:overlay	B kern
B ccmp	S language
B dist	B locl
N number	S mode
T bengali-one	B nukt
B abvm	N number
B abvs	B pres
B akhn	B pstf
B blwf	B psts
B blwm	B rphf
B blws	S script
B calt	B vatu
B cjct	T boldened
B dist	S effect
B half	N number
B haln	T boldened-10
S indic	S effect
B init	N number
B kern	T boldened-15
S language	S effect
B locl	N number
S mode	T boldened-20
B nukt	S effect
N number	N number
B pres	T boldened-25
B pstf	S effect
B psts	N number
B rphf	T boldened-30

S effect	N number
N number	S script
T ca	S textcontrol
S language	B wipemath
N number	T cy
S script	S language
T camelcasing	N number
B camelcasing	S script
N number	T cz
T cn	S language
S language	N number
N number	S script
S script	T de
T color	S language
B ccmp	N number
S color	S script
B dist	T default
N number	S autolanguage
T color:bitmap	S autoscript
B ccmp	B checkmissing
B dist	B curs
N number	B itlc
B sbix	B kern
T color:overlay	B liga
B ccmp	B mark
B colr	B mkmk
B dist	S mode
N number	N number
T color:svg	S script
B ccmp	S textcontrol
B dist	B wipemath
N number	T deo
B svg	S language
T complete	N number
S autolanguage	S script
S autoscript	T devanagari-one
B checkmissing	B abvm
B compose	B abvs
B curs	B akhn
B kern	B blwf
B liga	B blwm
B mark	B blws
B mkmk	B calt
S mode	B cjct

B dist	N number
B half	B unicoding
B haln	T es
S indic	S language
B kern	N number
S language	S script
B locl	T et
S mode	S language
B nukt	N number
N number	S script
B pres	T f:fractions
B psts	B frac
B rkrf	N number
B rphf	T f:inferiors
S script	N number
B vatu	B subs
T devanagari-two	T f:kern
B abvm	B kern
B abvs	N number
B akhn	T f:kerns
B blwf	B kern
B blwm	N number
B blws	T f:oldstyle
B calt	N number
B cjct	B onum
B dist	T f:smallcaps
B half	N number
B haln	B smcp
S indic	T f:superiors
B kern	N number
S language	B sups
B locl	T f:tabular
S mode	N number
B nukt	B tnum
N number	T fi
B pres	S language
B psts	N number
B rkrf	S script
B rphf	T followtext
S script	B liga
B vatu	N number
T dingbats	T fr
S goodies	S language
S mode	N number

S script	B cjct
T fullprotrusion	B dist
N number	B half
S protrusion	B haln
T gr	S indic
S language	B kern
N number	S language
S script	B locl
T grek	S mode
N number	B nukt
S script	N number
T gujarati-one	B pres
B abvm	B psts
B abvs	B rkrf
B akhn	B rphf
B blwf	S script
B blwm	B vatu
B blws	T gurmukhi-one
B calt	B abvm
B cjct	B abvs
B dist	B akhn
B half	B blwf
B haln	B blwm
S indic	B blws
B kern	B calt
S language	B cjct
B locl	B dist
S mode	B half
B nukt	B haln
N number	S indic
B pres	B kern
B psts	S language
B rkrf	B locl
B rphf	S mode
S script	B nukt
B vatu	N number
T gujarati-two	B pres
B abvm	B pstf
B abvs	B psts
B akhn	B rphf
B blwf	S script
B blwm	B vatu
B blws	T gurmukhi-two
B calt	B abvm

B abvs	B rlig
B akhn	S script
B blwf	T hr
B blwm	S language
B blws	N number
B calt	S script
B cjct	T hu
B dist	S language
B half	N number
B haln	S script
S indic	T indic-common
B kern	B abvm
S language	B abvs
B locl	B akhn
S mode	B blwm
B nukt	B blws
N number	B calt
B pres	B dist
B pstf	B haln
B psts	S indic
B rphf	B kern
S script	S language
B vatu	B locl
T hebrew	S mode
B analyze	B nukt
S autolanguage	N number
S autoscript	B pres
B calt	B psts
B ccmp	B rphf
B clig	T inlinenumbers
B curs	N number
B dlig	B pnum
B fina	B tnum
B init	T is
B isol	S language
B kern	N number
S language	S script
B liga	T it
B mark	S language
B medi	N number
B mkmk	S script
S mode	T ja
N number	S language
B reordercombining	N number

S script	B dist
T jamoforms	B half
B ljmo	B haln
N number	S indic
B tjmo	B kern
B vjmo	S language
T just-os	B locl
S mode	S mode
N number	B nukt
B onum	N number
T kannada-one	B pref
B abvm	B pres
B abvs	B pstf
B akhn	B psts
B blwf	B rphf
B blwm	S script
B blws	T la
B calt	S language
B cjct	N number
B dist	S script
B half	T latn
B haln	N number
S indic	S script
B kern	T letterspacing
S language	B ccmp
B locl	B clig
S mode	B dlig
B nukt	S keepligatures
N number	B liga
B pref	N number
B pres	B rlig
B pstf	T ligatures
B psts	S autolanguage
B rphf	S autoscript
S script	B checkmissing
T kannada-two	B curs
B abvm	B kern
B abvs	B liga
B akhn	B mark
B blwf	B mkmk
B blwm	S mode
B blws	N number
B calt	S script
B cjct	S textcontrol

B wipemath	S indic
T lm-math-bold	B kern
S effect	S language
N number	B locl
T lowercasing	S mode
B lowercasing	B nukt
N number	N number
T malayalam-one	B pref
B abvm	B pres
B abvs	B pstf
B akhn	B psts
B blwf	B rphf
B blwm	S script
B blws	T math
B calt	B compactmath
B cjct	B flattenaccents
B dist	B kern
B half	S language
B haln	B mathalternates
S indic	S mathexpansion
B kern	S mode
S language	N number
B locl	S script
S mode	B ssty
B nukt	B wipemath
N number	T math-script
B pref	B compactmath
B pres	B flattenaccents
B pstf	B kern
B psts	S language
B rphf	B mathalternates
S script	S mathexpansion
T malayalam-two	S mode
B abvm	N number
B abvs	S script
B akhn	N ssty
B blwf	B wipemath
B blwm	T math-scriptscript
B blws	B compactmath
B calt	B flattenaccents
B cjct	B kern
B dist	S language
B half	B mathalternates
B haln	S mathexpansion

S mode
 N number
 S script
 N ssty
 B wipemath
 T math-text
 B compactmath
 B flattenaccents
 B kern
 S language
 B mathalternates
 S mathexpansion
 S mode
 N number
 S script
 B ssty
 B wipemath
 T mathematics
 B compactmath
 B flattenaccents
 B kern
 S language
 B mathalternates
 S mathexpansion
 S mode
 N number
 S script
 B wipemath
 T mixed
 T mongolian
 S autolanguage
 S autoscript
 B calt
 B checkmissing
 B curs
 B fina
 B init
 B isol
 B itlc
 B kern
 B liga
 B mark
 B medi
 B mkmk

S mode
 S mset
 N number
 B rclt
 B rlig
 S script
 S textcontrol
 B wipemath
 T nl
 S language
 N number
 S script
 T none
 B features
 S mode
 N number
 T oldstyle
 S autolanguage
 S autoscript
 B checkmissing
 B curs
 B kern
 B liga
 B mark
 B mkmk
 S mode
 N number
 B onum
 S script
 S textcontrol
 B wipemath
 T oldstylenumbers
 N number
 B onum
 T original
 S autolanguage
 S autoscript
 B checkmissing
 B curs
 B itlc
 B kern
 B liga
 B mark
 B mkmk

S mode	B nukt
N number	N number
S script	B pres
S textcontrol	B pstf
B wipemath	B psts
T oriya-one	B rphf
B abvm	S script
B abvs	T pl
B akhn	S language
B blwf	N number
B blwm	S script
B blws	T primes
B calt	N number
B cjct	B primes
B dist	T pt
B haln	S language
S indic	N number
B kern	S script
S language	T quality
B locl	S expansion
S mode	N number
B nukt	S protrusion
N number	T recommended
B pres	S autolanguage
B pstf	S autoscript
B psts	B calt
B rphf	B checkmissing
S script	B clig
T oriya-two	B curs
B abvm	B itlc
B abvs	B kern
B akhn	B liga
B blwf	B mark
B blwm	B mkmk
B blws	S mode
B calt	N number
B cjct	B rlig
B dist	S script
B haln	S textcontrol
S indic	B wipemath
B kern	T reordercombining
S language	N number
B locl	B reordercombining
S mode	T ro

S language	N number
N number	B rlig
S script	T simplearabic
T ru	B analyze
S language	S autolanguage
N number	S autoscript
S script	B calt
T semitic-complete	B ccmp
B analyze	B curs
S autolanguage	B fina
S autoscript	B init
B calt	B isol
B ccmp	B kern
B clig	S language
B curs	B mark
B dlig	B medi
B fina	B mkmk
B init	S mode
B isol	N number
B kern	B rlig
S language	S script
B liga	T simplehebrew
B mark	B analyze
B medi	S autolanguage
B mkmk	S autoscript
S mode	B calt
N number	B ccmp
B rlig	B curs
T semitic-simple	B fina
B analyze	B init
S autolanguage	B isol
S autoscript	B kern
B calt	S language
B ccmp	B mark
B curs	B medi
B fina	B mkmk
B init	S mode
B isol	N number
B kern	B rlig
S language	S script
B mark	T sk
B medi	S language
B mkmk	N number
S mode	S script

T sl	B medi
S language	B mkmk
N number	S mode
S script	N number
T slanted	B rlig
N number	S script
N slant	T system:tabnum
T smallcaps	B lnum
S autolanguage	N number
S autoscript	B tnum
B checkmissing	T tabledigits
B curs	N number
B kern	B tabledigits
B mark	B tnum
B mkmk	T tabularnumbers
S mode	N number
N number	B pnum
S script	B tnum
B smcp	T tamil-one
S textcontrol	B abvm
B wipemath	B abvs
T sv	B akhn
S language	B blwm
N number	B blws
S script	B calt
T syriac	B dist
B analyze	B half
S autolanguage	B haln
S autoscript	S indic
B calt	B kern
B ccmp	S language
B clig	B locl
B curs	S mode
B dlig	B nukt
B fin2	N number
B fin3	B pref
B fina	B pres
B init	B psts
B isol	B rphf
B kern	S script
S language	T tamil-two
B liga	B abvm
B mark	B abvs
B med2	B akhn

B blwm
B blws
B calt
B dist
B half
B haln
S indic
B kern
S language
B locl
S mode
B nukt
N number
B pref
B pres
B pstf
B pstf
B rphf
S script
T telugu-one
B abvm
B abvs
B akhn
B blwf
B blwm
B blws
B calt
B cjct
B dist
B half
B haln
S indic
B kern
S language
B locl
S mode
B nukt
N number
B pref
B pres
B pstf
B pstf
B rphf
S script
T telugu-two

B abvm
B abvs
B akhn
B blwf
B blwm
B blws
B calt
B cjct
B dist
B half
B haln
S indic
B kern
S language
B locl
S mode
B nukt
N number
B pref
B pres
B pstf
B pstf
B rphf
S script
T th
S language
N number
S script
T tibetan
B abvm
B abvs
S autolanguage
S autoscript
B blwm
B blws
B calt
B ccmp
B checkmissing
B curs
B kern
S language
B liga
B locl
B mark

B mkmk	S script	
S mode	B wipemath	
N number	T vn	
S script	S language	
S textcontrol	N number	
B wipemath	S script	
T tr	T zero	
S language	N number	
N number	B zero	
S script	F showcontext	
T uk	F splitcontext	
S language	D synonyms	
N number	D variants	
S script	symbols	table
T uppercasing	T emoji	
N number	F checked	
B uppercasing	F resolved	
T us	F uselibrary	
S language	tables	table
N number	toeffect	function
S script	tracers	table
T virtualmath	treatments	table
B compactmath	F applyfixes	
B flattenaccents	D data	
B kern	S filename	
S language	F ignoredfile	
B mathalternates	F report	
S mathexpansion	F trace	
S mode	typefaces	table
N number		

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

bpsize

function

colorspaces

table

identifiers

table

- F bitmap
- F jp2
- F jpeg
- F jpg
- F png

identify

function

registerpdfcompact

function

registerpdffont

function

synchronizers

table

- F collapse
- F collect
- F extend
- F getbottom
- F getd
- F geth
- F getkind
- F getsize
- F gettask
- F gettop
- F getw
- F getx
- F gety
- F prune

gzip (context)

compress function
compressed function
decompress function

load function
save function
suffix function

helper (context)

getprofile function
mathnested function
mathprocess function
mathstep function
snapindeed function

snaplist function
traversecharmethod function
traverseglyphmethod function
traversehorizontal function
traversevertical function

images (context)

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

interactions (context)

attachments data table

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F getidentityvariable

help table

F collect

F reference

F register

javascripts table

F addtopreamble

F code

D codes

F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedList data table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocumentaction

F setclosepageaction

F setopendocumentaction

F setopenpageaction

renderings data table

interfaces (context)

arrays	table	namesofscanners	table
cachedsetups	data table	namespaces	table
cachesetup	function	F define	
cardinals	table	F list	
checkedspecification	function	numbers	table
complete	data table	registernamespace	function
constants	data table	registerscanner	function
corenamespaces	data table	scanners	data table
currentinterface	string	setconstant	function
currentresponse	string	setcount	function
definecommand	function	setdimen	function
defined	function	setelement	function
doifelsemessage	function	setformat	function
elements	data table	setmacro	function
floats	table	setmessage	function
formats	data table	setmessages	function
getmessage	function	settranslation	function
getnamespace	function	setupstrings	data table
getsetupstring	function	setvariable	function
hashedsetups	data table	showmessage	function
implement	function	storedscanners	data table
integers	table	tolist	function
interfacedcommand	function	translations	data table
interfaces	table	usednamespaces	data table
knownscanner	function	variables	data table
message	function	writestatus	function
nameofscanner	function		

io (basic lua)

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

job (context)

comment	function	D collected	
datasets	table	F countervalue	
D collected		F extend	
F extend		F realpage	
F getdata		F realpageorder	
F setdata		F setstate	
D tobesaved		D tobesaved	
disablesave	function	parwrappers	table
embedded	table	D collected	
D collected		D tobesaved	
D tobesaved		positions	table
fileobjreferences	table	F b_column	
D collected		F b_region	
D tobesaved		F c	
files	table	D collected	
D collected		F column	
F context		F columnofpos	
B forcerun		F copy	
F run		F depth	
D tobesaved		F e_column	
getrandomseed	function	F e_region	
initialize	function	F enhance	
linkedlists	table	F extra	
D collected		F get	
D tobesaved		F getcolumndata	
load	function	F getfree	
loadother	function	F gethpos	
meshedup	table	F gethvrpos	
D collected		F getpos	
D tobesaved		F getreserved	
objects	table	F getrpos	
D collected		F getsync	
F get		F gettobesaved	
F number		F getvpos	
F page		F hangafter	
F save		F hangindent	
F set		F height	
D tobesaved		F hsize	
pack	boolean	N lastr	
packversion	number	N lastx	
pagestates	table	N lasty	

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

language (basic tex)

clean	function	id	function
clearhyphenation	function	new	function
clearpatterns	function	patterns	function
current	function	postexhyphenchar	function
gethjcode	function	posthyphenchar	function
has_language	function	preexhyphenchar	function
hyphenate	function	prehyphenchar	function
hyphenation	function	sethjcode	function
hyphenationmin	function	setwordhandler	function

languages (context)

addgoodiesdata	function	F hyphenate	
addgoodiesfile	function	F injecthyphens	
appliedoptions	table	F installmethod	
associate	function	F lasttrace	
associated	data table	F loadpatterns	
association	function	F registerexception	
counters	data table	F registerpattern	
current	function	F setfeatures	
data	data table	installed	function
decimals	data table	installhandler	function
define	function	labels	table
explicitthyphen	function	F define	
exportlanguage	function	F split	
flatten	function	loadable	function
frequencies	table	loadwords	function
F averagecharwidth		logger	table
F getdata		F report	
getdata	function	nofflatted	function
getmetadata	function	numbers	data table
getnumber	function	pdflanguage	function
goodiefiles	function	postexhyphenchar	function
hjcounts	table	posthyphenchar	function
hyphenate	function	preexhyphenchar	function
hyphenators	table	prehyphenchar	function
T dictionaries		registered	data table
D featuresets		registeredactions	table
F handler		replacements	table
T methods		F add	
F expanded		F addlist	
B none		F handler	
F original		F set	
F tex		serializediscretionary	function
F traditional		setexceptions	function
F popmethod		setgoodieshandler	function
F pushmethod		setoptions	function
F setmethod		setpatterns	function
F setup		setsynonym	function
F showhyphenationtrace		setwordhandler	function
T traditional		showdiscretionaries	function
F definefeatures		strippedgoodiewords	function
F gettrace		tolang	function

transliteration

F exception

F handler

F register

F set

F use

unload**urls**

D characters

N lefthyphenmin

D mapping

B packslashes

N righthyphenmin

F setcharacters

table

function

table

version**visualizediscretionaries****words**

F check

T data

F disable

F enable

T enablers

B enables

F found

F load

T methods

N threshold

number

function

table

layouts (context)

getcanvas function
getpagedimensions function
setupcanvas function

status table
 F isleftpage
 F lefttorrightpageaction

lfs (extra lua)

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

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

optional data table

lrx (context)

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

logs (context)

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

lpdf (context)

action	function	copystring	function
adddocumentcolorspace	function	copyunicode	function
adddocumenttextgstate	function	deferredobject	function
adddocumentpattern	function	delayedobject	function
adddocumentshade	function	destinationspecification	function
addtocatalog	function	dictionary	function
addtoinfo	function	docstring	function
addtonames	function	encodingvalues	table
addtopageattributes	function	N base16	
addtopageresources	function	N base85	
addtopagesattributes	function	N decoded	
addxmpinfo	function	N encoded	
annotationspecification	function	N plain	
array	function	N utf16be	
attachmentsymbols	function	N utf16le	
boolean	function	endpoints	table
border	function	S Div	
checkedkey	function	S Part	
checkedresources	function	S Sect	
checkedvalue	function	epdf	table
circularshade	function	F allcontent	
close	function	F analyzefonts	
cmykcode	function	F contentplugin	
collectedresources	function	F contenttostring	
color	function	F contenttotext	
colorspace	function	D encryptioncodes	
colorspaceconstants	data table	F expanded	
colorspec	function	F expandwidths	
colorvalue	function	F fontplugin	
colorvalues	function	F getpagecontent	
commentssymbols	function	F getstructure	
compressdata	function	T helpers	
compresslevel	function	F tounicodetable	
constant	function	T image	
copyarray	function	F close	
copyboolean	function	F copy	
copyconstant	function	F new	
copydictionary	function	F open	
copyfloat	function	F query	
copyinteger	function	F load	
copynumber	function	F mergewidths	

D	objectcodes		N	FileSelect	
F	objectrange		N	MultiLine	
F	objecttype		N	NoExport	
F	pageplugin		N	NoToggleToOff	
F	parsecontent		N	Password	
F	producer		N	PopUp	
T	resolvers		N	PushButton	
F	destinations		N	Radio	
F	embeddedfiles		N	RadiosInUnison	
F	javascripts		N	ReadOnly	
F	layers		N	Required	
F	pages		N	RichText	
F	structure		N	Sort	
F	widgets		N	file	
F	unload		N	fixed	
F	verboseobject		N	nocheck	
escaped		function	N	protected	
finalizedocument		function	N	readonly	
finalizepage		function	N	required	
finalizesignature		function	N	sorted	
finishtransparencycode		function	N	unavailable	
flags		table			
T	annotations		flushfonts		function
N	AutoView		flushgroup		function
N	Hidden		flushobject		function
N	Invisible		flushstreamfileobject		function
N	Locked		flushstreamobject		function
N	LockedContents		fonts		table
N	NoRotate		F	color_direct	
N	NoView		F	color_indirect	
N	NoZoom		formats		data table
N	Print		frombytes		function
N	Printable		fromeight		function
N	ReadOnly		frompdfdoc		function
N	ToggleNoView		fromsixteen		function
N	auto		getcatalg		function
N	hidden		getcompression		function
N	printable		getfontname		function
T	widgets		getfontobjectnumber		function
N	Comb		getformatoption		function
N	CommitOnSelChange		getinfo		function
N	DoNotScroll		getmatrix		function
N	DoNotSpellCheck		getnofpages		function
N	Edit		getpageproperties		function
			getpagereference		function

getpagetags	function	pdfcolor	function
getpos	function	pdftimestamp	function
gettaggingstatus	function	permissions	table
gettrailerid	function	N access	
getversion	function	N add	
getxformname	function	N assemble	
graycode	function	N extract	
h_hex_2	table	N fillin	
S		N modify	
S		N print	
S		N quality	
S		preparesignature	function
S		print	function
S (procset	function
S)		protectresources	boolean
S \		quads	function
h_hex_4	table	rectangle	function
hasmatrix	function	reference	function
immediateobject	function	registerannotation	function
includeimage	function	registerdestination	function
initialize	function	registerdocumentfinalizer	function
injectors	table	registerfontmethod	function
F bitmap		registerinitializer	function
F jp2		registerpagefinalizer	function
F jpg		registerpattern	function
F png		registersignature	function
injectxmpinfo	function	replacexmpinfo	function
insertxmpinfo	function	reserveobject	function
lastreferredpage	function	rgbcode	function
layerreference	function	rotationcm	function
limited	function	setcompression	function
linearshade	function	setencryption	function
literal	function	setpageorder	function
majorversion	function	setpagestate	function
makenametree	function	setpagetag	function
minorversion	function	setutfstringmode	function
noffontregistries	function	setversion	function
nofpages	function	sharedobject	function
null	function	shareobject	function
number	function	shareobjectreference	function
object	function	spotcode	function
objectcompresslevel	function	stream	function
pagereference	function	string	function
patternstream	function	supportedformats	function

tocidset	function	unicode	function
toeight	function	usedcharacters	table
topdfdoc	function	usedfontnames	table
topermissions	function	N dejavusansmonoboldttf-1-0-0	
tosixteen	function	usedfontobjects	table
transparency	function	N dejavusansmonoboldttf-1-0-0	
transparencycode	function	usedfontstreams	data table
transparencygroups	table	usedindices	table
B none		T dejavusansmonoboldttf-1-0-0	
transparencyvalue	function	verbose	function

lpeg (basic lua)

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

lua (basic tex)

addnibble	function	getstacktop	function
bytecode	table	getstartupfile	function
bytedata	data table	getstringkeys	function
bytdone	table	getversion	function
callbytecode	function	lastbytecode	number
comparekeys	function	messages	data table
finalizeinitex	function	newindex	function
firstbytecode	number	newtable	function
get_functions_table	function	numbers	data table
getallkeys	function	protectglobal	function
getbytecode	function	registercode	function
getcheckedkeys	function	registercodes	function
getcurrenttime	function	registerglobal	function
getdebuginfo	function	registerinitexfinalizer	function
getexitcode	function	registername	function
getfunctionstable	overloaded function	setbytecode	function
getnibble	function	setexitcode	function
getnumerickeys	function	setnibble	function
getpreciseseconds	function	startupfile	string
getpreciseticks	function	subnibble	function
getruntime	function	version	string

luac (extra lua)

inspect function

print function

luatex (context)

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

lxml (context)

addindex	function	filter	function
all	function	filterlist	function
applyfunction	function	first	function
applyselectors	function	flush	function
att	function	flushlinewise	function
attribute	function	flushsetups	function
badinclusions	function	flushspacewise	function
chainattribute	function	get_id	function
checkindex	function	getid	function
collected	function	getindex	function
command	function	id	function
concat	function	idsplitter	userdata
concatrange	function	ifatt	function
content	function	ifattempty	function
context	function	include	function
convert	function	inclusion	function
count	function	inclusions	function
delete	function	index	function
depth	function	inlineverbatimim	function
direct	function	installsetup	function
directives	table	last	function
F after		lastatt	function
F before		lastmatch	function
F handle		lastpar	function
F load		load	function
F setup		loadbuffer	function
displayverbatimim	function	loaddata	function
doif	function	loaded	table
doifelse	function	main	function
doifelseempty	function	match	function
doifelsetext	function	name	function
doifempty	function	namespace	function
doifnot	function	nonspace	function
doifnotempty	function	par	function
doifnottext	function	param	function
doiftext	function	parameter	function
element	function	path	function
elements	function	popmatch	function
entities	data table	pos	function
fileline	function	position	function
filename	function	pure	function

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

math (basic lua)

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

mathematics (context)

addfallbacks	function	familyname	function
addvariant	function	functiontype	function
alphabets	data table	gaps	data table
alternatives	data table	getblobindex	function
beforepassingfonttotex	function	getboth	function
big	function	getdomainname	function
boldmap	data table	getextensibledata	function
categories	table	getmathblob	function
D functions		getoptionallabel	function
charactersets	data table	getstyle	function
checkaftercopyingfont	function	gettextblob	function
classes	data table	getverboselabel	function
classnameses	data table	horizontalcode	function
codes	data table	initializeparameters	function
define	function	makefont	function
dictionaries	table	mapremap	data table
D data		markblobindexdone	function
D defaults		overloadparameters	function
D groups		preset	function
F groupset		presets	table
F groupsetgroup		T less	
F name		T more	
D names		T zero	
F registercharacter		privatebase	number
F registergroup		registerextensible	function
F registergroupset		registersimplematrix	function
D sets		registerverboselabel	function
D variants		remapalphabets	function
dimensions	function	renderextensible	function
disablecollecting	function	renderings	table
domainlabels	table	D mappings	
domainnames	table	D numbers	
N default		D sets	
enablecollecting	function	renderset	function
extensiblecode	function	resetattributes	function
extensibles	data table	scaleparameters	function
extrabase	number	setextensibledata	function
fallbacks	table	setmathsymbol	function
F apply		sets	data table
F install		setsnapping	function
fallbackstyleattr	function	setvariant	function

styles	data table	F fixaccents
syncboth	function	F fixellipses
syncname	function	F fixintegrals
syncstyle	function	F fixoldschool
tagging	table	F fixprimes
B mfenced		F fixradicals
toengineclass	function	F fixslashes
toname	function	F fixvariants
tostyle	function	F flattenaccents
tweakaftercopyingfont	function	F fontname
tweakbeforecopyingfont	function	F inspect
tweaks	table	F keepbases
F accentdimensions		F kernpairs
F action		F kerns
F addactuarian		T kernsets
F addarrows		T .,
F addbars		F margins
F addcomposites		F message
F addequals		F moveitalics
F addfourier		F movelimits
F addmirrors		F parameters
F addparts		F radicalbodymargins
F addprivates		F radicaldegreeanchors
F addrules		F replace
F addscripts		F replacealphabets
F bigslots		F replacerules
F checkaccents		F setoptions
F checkspacing		F setovershoots
F copyaccents		F showinfo
T datasets		F simplifykerns
T accentdimensions		F sortvariants
T accent		F staircase
T over		T subsets
T under		T acenorsuvxz
T addarrows		T bhklt
T addscripts		T d
T checkspacing		T dotless
T copyaccents		T f
T fixprimes		T gjqy
T fixslashes		T horizontalfences
T wipecues		T i
F dimensions		T integrals
F extendaccents		T letterlike
F fallbacks		T mw

T p	utfmathaccent	function
F substitute	utfmathclass	function
F topanchors	utfmathcommand	function
F tweaks	utfmathfiller	function
F version	utfmathstretch	function
F wipeanchors	variantcode	function
F wipecues	variantcount	function
F wipeitalics	virtualize	function
F wipevariants	virtualized	data table

md5 (extra lua)

HEX function
dec function
hex function

sum function
sumHEXA function
sumhexa function

metapost (context)

checkformat	function	N newinternal
checktracingonline	function	N nullary
cm	function	N numeric
codes	table	N of
N addto		N ofbinary
N ampersand		N onlyset
N and		N parametertype
N assignment		N pathconnect
N atleast		N pathjoin
N begingroup		N plusorminus
N btex		N primarybinary
N capsule		N primarydef
N colon		N property
N comma		N protection
N controls		N relax
N curl		N repeatloop
N cycle		N rightbrace
N definedmacro		N rightbracket
N delimiters		N rightdelimiter
N endgroup		N runscript
N equals		N save
N etex		N scantokens
N everyjob		N secondarybinary
N exittest		N secondarydef
N expandafter		N semicolon
N fiorelse		N setbounds
N if		N shipout
N input		N show
N interim		N slash
N internal		N step
N iteration		N stop
N leftbrace		N str
N leftbracket		N string
N leftdelimiter		N tag
N let		N tension
N macrodef		N tertiarybinary
N macrospecial		N tertiarydef
N maketext		N thingstoadd
N message		N to
N mode		N typename
N newbytemap		N unary

N undefinedcs		getparameter	function
N until		getparameterpreset	function
N void		getparameterset	function
N with		getrecord	function
N within		getstatistics	function
N write		gettext	function
colorinitializer	function	gettolerance	function
convert	function	graphic	function
currentmpx	function	graphic_base_pass	function
currentmpxstatus	function	hascurvature	function
defaultformat	string	includesvgbuffer	function
defaultinstance	string	includesvgfile	function
defaultmethod	string	installplugin	function
directrun	function	isobject	function
escaped	function	knownparameters	table
execetime	table	lastlog	string
extensiondata	data table	load	function
filterclippath	function	maketext	function
flush	function	mesh	function
flushers	table	metafonts	table
T pdf		metafun	table
F flushfigure		F interpolate	
F startfigure		F topath	
F stopfigure		mptopdf	table
F textfigure		F convertmpstopdf	
F tocomment		N nofconverted	
flushnormalpath	function	n	number
fonts	table	newlogger	function
F define		nofruns	number
format_number	function	nofscriptruns	function
format_string	function	nvformat	function
formatnumber	function	pdf literals	function
getbackendoption	function	pluginactions	function
getbendtolerance	function	popformat	function
getbuffer	function	popscriptrunner	function
getclippath	function	popvariable	function
getextensions	function	popvariables	function
getextradata	function	preparetexttsdata	function
gethashentries	function	process	function
getinstancebyname	function	processing	function
getinstanceinfo	function	processplugins	function
getinstancenames	function	properties	table
getjobdata	function	pushformat	function
getmovetolerance	function	pushscriptrunner	function

pushvariable	function	N %	
pushvariables	function	N bp	
quionerror	boolean	N cm	
reducetogray	boolean	N em	
registerdirect	function	N ex	
registerscript	function	N in	
registertokens	function	N mm	
remappedtext	function	N pc	
remaptext	function	N pt	
reporterror	function	N px	
reportsvgfonts	function	svgglyphtomp	function
reset	function	svgshapestomp	function
resetbackendoptions	function	svgshapestopdf	function
resetlastlog	function	svgsplitcolor	function
resetplugins	function	svgtomp	function
run	function	svgtopdf	function
runinternal	function	sxsy	function
runscript	function	tex	table
scanparameters	function	F get	
scriptindex	function	F reset	
setbendtolerance	function	F set	
setbuffer	function	F setfrombuffer	
setextensions	function	texerrors	boolean
setlogging	function	texexp	function
setmovetolerance	function	theclippath	function
setoutercolor	function	tographic	function
setparameter	function	totable	function
setparameterset	function	types	table
setrecord	function	N boolean	
settext	function	N cmykcolor	
settolerance	function	N color	
setvariable	function	N dependent	
showlog	boolean	N independent	
showsvgpage	function	N known	
simple	function	N nep	
splitprescript	function	N numeric	
startgraphic	function	N pair	
startsvghashing	function	N path	
stopgraphic	function	N pen	
stopsvghashing	function	N picture	
svformat	function	N protodependent	
svgcachefile	boolean	N string	
svgcolorremapper	function	N structured	
svgfactors	table	N suffixedmacro	

N tokenlist
N transform
N unknownboolean
N unknownnep
N unknownpath
N unknownpen
N unknownpicture

N unknownstring
N unsuffixedmacro
N vacuous
typesvgpage function
unload function
untagvariable function
variables table

mime (context)

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)

autoinject	function	flush	function
aux	function	format	function
F boolean		formatted	function
F color		fprint	function
F direct		get	table
F draw		F hashentry	
F fill		getbytemap	function
F flush		getbytemapdata	function
F fprint		getlastaddtype	function
F integer		graphformat	function
F number		inject	function
F numeric		F boolean	
F pair		F cmykcolor	
F pairpoints		F color	
F path		F integer	
F pathpoints		F number	
F points		F numeric	
F print		F pair	
F quadruple		F path	
F quadruplepoints		F pt	
F quoted		F quadruplet	
F size		F string	
F string		F transform	
F transform		F triplet	
F triplet		F vector	
F tripletpoints		F vectors	
F vprint		F whatever	
boolean	function	F whd	
bytemap_load_from_file	function	F xy	
cleaned	function	integer	function
color	function	lmt_color_functions	table
dataset	function	F shade	
datasets	function	F step	
F load		lmt_contours_bitmap_get	function
direct	function	lmt_contours_bitmap_set	function
downsamplebytemap	function	lmt_contours_cleanup	function
draw	function	lmt_contours_color	function
expandtex	function	lmt_contours_edge_get_band	function
fill	function	lmt_contours_edge_get_cell	function
fillbytemap	function	lmt_contours_edge_paths	function
flatten	function	lmt_contours_edge_set	function

lmt_contours_edge_set_by_band	function	mesh_register	function
lmt_contours_edge_set_by_cell	function	mf_blob_add	function
lmt_contours_format	function	mf_blob_dimensions	function
lmt_contours_function	function	mf_blob_index	function
lmt_contours_maxmean	function	mf_blob_new	function
lmt_contours_maxz	function	mf_blob_raw_content	function
lmt_contours_minmean	function	mf_blob_raw_dimensions	function
lmt_contours_minz	function	mf_blob_raw_reset	function
lmt_contours_nofvalues	function	mf_blob_raw_toutf	function
lmt_contours_nx	function	mf_blob_raw_wipe	function
lmt_contours_ny	function	mf_blob_size	function
lmt_contours_range	function	mf_blob_width	function
lmt_contours_shade_paths	function	mf_external_figure	function
lmt_contours_shade_set	function	mf_finish_saving_data	function
lmt_contours_shape_paths	function	mf_formatted_text	function
lmt_contours_start	function	mf_get_outline_text	function
lmt_contours_stop	function	mf_graphic_text	function
lmt_contours_value	function	mf_inject_blob	function
lmt_contours_xrange	function	mf_map_move	function
lmt_contours_yrange	function	mf_map_text	function
lmt_function_x	function	mf_named_color	function
lmt_glyphshape_accent	function	mf_outline_text	function
lmt_glyphshape_baseline	function	mf_save_data	function
lmt_glyphshape_boundingbox	function	mf_script_index	function
lmt_glyphshape_depth	function	mf_start_saving_data	function
lmt_glyphshape_height	function	mf_stop_saving_data	function
lmt_glyphshape_italic	function	mode	function
lmt_glyphshape_llx	function	n	function
lmt_glyphshape_n	function	newbytemap	function
lmt_glyphshape_path	function	number	function
lmt_glyphshape_start	function	numeric	function
lmt_glyphshape_stop	function	pair	function
lmt_glyphshape_usedbox	function	pairpoints	function
lmt_glyphshape_usedline	function	path	function
lmt_glyphshape_width	function	pathpoints	function
lmt_mesh_set	function	points	function
lmt_mesh_update	function	print	function
lmt_poisson_generate	function	F boolean	
lmt_start_potrace	function	F color	
lmt_step_potrace	function	F direct	
lmt_stop_potrace	function	F draw	
lmt_surface_do	function	F fill	
lmt_svg_include	function	F flush	
loadbytemapfile	function	F fprint	

F integer		F integer	
F number		F next	
F numeric		F number	
F pair		F numeric	
F pairpoints		F pair	
F path		F path	
F pathpoints		F pen	
F points		F property	
F print		F string	
F quadruple		F symbol	
F quadruplepoints		F token	
F quoted		T tokenscanners	
F size		F transform	
F string		T typescanners	
F transform		F whatever	
F triplet		set	table
F tripletpoints		setbytemap	function
F vprint		setbytemapoctave	function
processbytemap	function	size	function
processingmode	function	skip	table
quadruple	function	F token	
quadruplepoints	function	solve	function
quoted	function	string	function
report	function	systemmode	function
scan	table	transform	function
F boolean		triplet	function
F cmykcolor		tripletpoints	function
F color		vprint	function
F expression			

mplib (extra tex)

downsamplebytemap	function	injectpair	function
execute	function	injectpath	function
expandtex	function	injectstring	function
fillbytemap	function	injecttransform	function
finder	function	injectvector	function
finders	table	injectvectors	function
F file		injectwhatever	function
F mpstemplate		new	overloaded function
finish	function	newbytemap	function
getbytemap	function	peninfo	function
getbytemapdata	function	processbytemap	function
getcallbackstate	function	propertycodes	table
getcodes	function	realtimelogging	boolean
getcolormodels	function	scanboolean	function
getfields	function	scancmykcolor	function
gethashentries	function	scancolor	function
gethashentry	function	scanexpression	function
getinternalactions	function	scaninteger	function
getknotstates	function	scannext	function
getlastaddtype	function	scannumber	function
getlogtargets	function	scannumeric	function
getobjecttypes	function	scanpair	function
getresultstatus	function	scanpath	function
getscantypes	function	scanpen	function
getstates	function	scanproperty	function
getstatistics	function	scanstring	function
getstatus	function	scansymbol	function
gettolerance	function	scantoken	function
gettype	function	scantransform	function
gettypes	function	setbytemap	function
injectboolean	function	setbytemapoctave	function
injectcmykcolor	function	settolerance	function
injectcolor	function	showcontext	function
injectinteger	function	skiptoken	function
injectnumber	function	solvepath	function
injectnumeric	function	version	function

noads (context)

getmathmode function

handlers table

F alternates

F autofences

F classes

F collapse

F dictionaries

F export

F families

F fencing

F intervals

F kernpairs

F makeup

F normalize

F numbers

F relocate

F render

F showtree

F snap

F spacing

F suspicious

F tags

F unscript

F unstack

F variants

process function

processnested function

processors table

T dictionaries

T intervals

T suspicious

T unscript

T unstack

processouter function

node (basic tex)

checkdiscretionaries	function	F getanchors
checkdiscretionary	function	F getattribute
copy	function	F getattributelist
copylist	function	F getattributes
count	function	F getboth
currentattributes	function	F getbottom
dimensions	function	F getbottomdelimiter
direct	table	F getbox
F addmargins		F getcachestate
F addxoffset		F getchar
F addxymargins		F getchardict
F addyoffset		F getcharspec
F appendaftertail		F getchoice
F appendcurrenttail		F getclass
F beginofmath		F getcontrol
F checkdiscretionaries		F getcornerkerns
F checkdiscretionary		F getcurrenttail
F collapsing		F getdata
F copy		F getdegree
F copylist		F getdelimiter
F copyonly		F getdenominator
F count		F getdepth
F currentattributes		F getdirection
F dimensions		F getdisc
F effectiveglue		F getdiscpart
F endofmath		F getexcept
F exchange		F getexpansion
F fields		F getfam
F findattribute		F getfield
F findattributerange		F getfielderror
F findnode		F getfirstdirectioninlist
F firstchar		F getfont
F firstglyph		F getfontcheck
F firstglyphnode		F getgeometry
F firstitalicglyph		F getglue
F flattendiscretionaries		F getglyphdata
F flattenleaders		F getglyphdimensions
F flushlist		F getheight
F flushnode		F getid
F free		F getidsubtype
F freeze		F getidsubtypenext

F getindex	F gettotal
F getinputfields	F getusage
F getkern	F getusedattributes
F getkerndimension	F getweight
F getlanguage	F getwhd
F getleader	F getwidth
F getleftdelimiter	F getwordrange
F getlist	F getxscale
F getlistdimensions	F getxyscales
F getmvlolist	F getyscale
F getnext	F gluetostring
F getnodes	F hasattribute
F getnormalizedline	F hasdimensions
F getnucleus	F hasdiscoption
F getnumerator	F hasfield
F getoffsets	F hasgeometry
F getoptions	F hasglyph
F getorientation	F hasglyphoption
F getparstate	F hasidsubtype
F getpenalty	F hasusage
F getpost	F hpack
F getpre	F hyphenating
F getprev	F id
F getprime	F ignoremathskip
F getpropertystable	F insertafter
F getproperty	F insertbefore
F getreplace	F insertcurrenthead
F getrightdelimiter	F isboth
F getruledimensions	F ischar
F getscale	F ischarcheck
F getscales	F isdirect
F getscrip	F isfontcheck
F getscripts	F isglyph
F getshift	F isitalicglyph
F getslant	F isloop
F getspeciallist	F isnext
F getstate	F isnextchar
F getsub	F isnextcharcheck
F getsubpre	F isnextglyph
F getsubtype	F isnode
F getsup	F isprev
F getsuppre	F isprevchar
F gettop	F isprevcharcheck
F gettopdelimiter	F isprevglyph

F issimilarglyph	F setchoice
F isspeciallist	F setclass
F isvalid	F setcontrol
F iszeroglue	F setcurrenttail
F kerning	F setdata
F lastnode	F setdegree
F length	F setdelimiter
F ligaturing	F setdenominator
F makeextensible	F setdepth
F migrate	F setdirection
F mlisttohtml	F setdisc
F naturalhsz	F setdiscpart
F naturalwidth	F setexcept
F new	F setexpansion
F newcontinuationatom	F setfam
F newfontcheck	F setfield
F newmathglyph	F setfielderror
F newtextglyph	F setfont
F patchattributes	F setfontcheck
F patchparshape	F setgeometry
F prependbeforehead	F setglue
F prependcurrenttail	F setglyphdata
F protectglyph	F setheight
F protectglyphs	F setindex
F protectglyphsbase	F setinputfields
F protectglyphsnone	F setkern
F protrusionskippable	F setlanguage
F rangedimensions	F setleader
F remove	F setleftdelimiter
F removefromlist	F setlink
F repack	F setlist
F reverse	F setnext
F samefontcheck	F setnucleus
F serialized	F setnumerator
F setanchors	F setoffsets
F setattribute	F setoptions
F setattributelist	F setorientation
F setattributes	F setpenalty
F setboth	F setpost
F setbottom	F setpre
F setbottomdelimiter	F setprev
F setbox	F setprime
F setchar	F setproperty
F setchardict	F setreplace

F setrightdelimiter	F unprotectglyph	
F setruledimensions	F unprotectglyphs	
F setscale	F unsetattribute	
F setscales	F unsetattributes	
F setscript	F updatefirstandbotmark	
F setscripts	F updatefirstmarks	
F setshift	F updatemarks	
F setslant	F updatetopmarks	
F setspeciallist	F usedlist	
F setsplit	F usesfont	
F setstate	F vbalance	
F setsub	F verticalbreak	
F setsubpre	F vpack	
F setsubtype	F write	
F setup	F xscaled	
F setsuppre	F yscaled	
F settop	effectiveglue	function
F settopdelimiter	endofmath	function
F settotal	family_font	function
F setweight	fields	function
F setwhd	findattribute	function
F setwidth	flattendiscretionaries	function
F show	flushlist	function
F size	flushnode	function
F slide	free	function
F softenhyphens	getattribute	function
F startofpar	getcachestate	function
F subtypes	getfield	function
F tail	getfielderror	function
F todirect	getglue	function
F tonode	getpropertystable	function
F tostring	getproperty	function
F tovaliddirect	gluetostring	function
F traverse	hasattribute	function
F traversechar	hasfield	function
F traversecontent	hasglyph	function
F traverseglyph	hpack	function
F traverseid	hyphenating	function
F traverseitalic	id	function
F traverseleader	insertafter	function
F traverselist	insertbefore	function
F traversepossible	instock	function
F type	inuse	function
F types	isnode	function

iszeroglu	function	show	function
kerning	function	size	function
lastnode	function	slide	function
length	function	subtypes	function
ligaturing	function	tail	function
makeextensible	function	todirect	function
mlisttohlist	function	tonode	function
new	function	tostring	function
protectglyph	function	traverse	function
protectglyphs	function	traverseid	function
protrusionskippable	function	type	function
rangedimensions	function	types	function
remove	function	unprotectglyph	function
serialized	function	unprotectglyphs	function
setattribute	function	unsetattribute	function
setfield	function	usedlist	function
setfielderror	function	usesfont	function
setglue	function	vpack	function
setproperty	function	write	function

nodes (context)

accentcodes	data table	directionvalues	data table
adaptive	table	dirvalues	data table
F handlehorizontal		disccodes	data table
F handlevertical		discretionarycodes	data table
T methods		fencecodes	data table
F set		fields	function
aligned	function	fieldtypes	table
append	function	fillcodes	data table
apply	function	fillvalues	data table
applyvisuals	function	firstdirinbox	function
astable	function	flush	function
attributecodes	data table	flushlist	function
basepoints	function	flushnode	function
boundarycodes	data table	fractioncodes	data table
boxes	table	fullhpack	function
F count		getattr	function
F dimensions		getattribute	function
F direct		getboth	function
F dispose		getbox	function
F found		getchar	function
F prune		getfield	function
F reset		getfont	function
F restore		getid	function
F save		getleader	function
F savenode		getlist	function
builders	table	getnext	function
choicecodes	data table	getprev	function
concat	function	getproperty	function
copy	function	getsubtype	function
copy_node	function	gluecodes	data table
copyleft	function	glyphcodes	data table
countall	function	handlers	table
currentattributes	function	F adjusters	
delete	function	F aligncharacter	
destinations	table	F backgrounds	
N attribute		F backgroundspage	
T done		F backgroundsvbox	
F handler		F characters	
T stack		F checkglyphs	
dircodes	data table	F checkparcounter	
directioncodes	data table	F cleanupbox	

F cleanuppage		F setspacekerns	
F export		insertafter	function
F finalizebox		insertbefore	function
F finalizelist		insertlistafter	function
F flatten		installattributehandler	function
F flattenline		is_display_math	function
T linebreakchecks		isdirect	function
F mathalignrelocate		isnode	function
F mathmatrixornaments		isnut	function
F mathmatrixrules		kerncodes	data table
F migrate		leftmarginwidth	function
F protectglyphs		linefillers	table
F recolor		F filler	
F show		F handler	
F showhyphenation		F set	
F showpreamble		lines	table
F stripping		T boxed	
F tabulateskip		F addlinenumbers	
F textbackgrounds		F register	
F unprotectglyphs		F setup	
F visualizehyphenation		D data	
F wipe		F finalize	
hasattribute	function	F number	
hasfield	function	link	function
hpack	function	linked	function
idsandsubtypes	function	list	function
idstosting	function	listcodes	data table
injections	table	listtoutf	function
F copy		literalvalues	data table
F getligaindex		locate	function
F getthreshold		markcodes	data table
F handler		markers	table
F installgetspaceboth		F get	
F installnewkern		F set	
F isspace		mathcodes	data table
F keepcounts		mathvalues	data table
F reset		maxboxwidth	function
F resetcounts		migrations	table
F setcursive		F setinserts	
F setkern		F setmarks	
F setligaindex		new	function
F setmark		noadcodes	data table
F setmove		nodecodes	data table
F setposition		nopts	function

nuts

F addmargins
F addxoffset
F addxymargins
F addyoffset
F append
F appendaftertail
F apply
F applyvisuals
F beginofmath
F checkdiscretionaries
F checkdiscretionary
F checkslide
F collapsing
T colors
 F set
T components
 F copynocomponents
 F copyonlyglyphs
 F count
 F flush
 F get
 F set
F concat
F copy
F copy_properties
F copyleft
F copynode
F copyonly
F copyvisual
F count
F countall
F currentattributes
F delete
F dimensions
F dirdimensions
F effectiveglue
F endofmath
F exchange
F findattribute
F findattributerange
F findnode
F firstchar
F firstglyph

table

F firstglyphnode
F firstitalicglyph
F flattendiscretionaries
F flattenleaders
F flush
F flushlist
F flushnode
F free
F freeze
F fullhpack
F getanchors
F getattr
F getattribute
F getattributelist
F getattributes
F getattrlist
F getattrs
F getboth
F getbottom
F getbottomdelimiter
F getbox
F getboxglue
F getchar
F getchardict
F getcharspec
F getchoice
F getclass
F getcomponents
F getcornerkerns
F getdata
F getdegree
F getdelimiter
F getdenominator
F getdepth
F getdirection
F getdisc
F getdiscpart
F getdiscretionary
F getexcept
F getexpansion
F getfam
F getfield
F getfirstdirectioninlist
F getfont

F getgeometry	F getslant
F getglue	F getspeciallist
F getglyphdata	F getstate
F getglyphdimensions	F getsub
F getheight	F getsubpre
F getid	F getsubtype
F getidsubtype	F getsup
F getidsubtypenext	F getsuppre
F getindex	F getsurround
F getinputfields	F gettop
F getkern	F gettopdelimiter
F getkerndimension	F gettotal
F getlang	F getusedattributes
F getlanguage	F getvalue
F getleader	F getweight
F getleftdelimiter	F getwhd
F getlist	F getwidth
F getlistdimensions	F getwordrange
F getmiddle	F getxscale
F getmiddledelimiter	F getxyscales
F getmvllist	F getsyscale
F getnext	F gluetostring
F getnormalizedline	F hasattribute
F getnucleus	F hasdimensions
F getnumerator	F hasdiscoption
F getoffsets	F hasfield
F getoptions	F hasgeometry
F getorientation	F hasglyph
F getparstate	F hasglyphoption
F getpenalty	F hasidsubtype
F getpost	F hpack
F getpre	F hyphenating
F getprev	F ignoremathskip
F getprime	F insertafter
F getprop	F insertbefore
F getreplace	F insertlistafter
F getrightdelimiter	F is_display_math
F getruledata	F isboth
F getruledimensions	F ischar
F getscale	F isdirect
F getscales	F isdone
F getscript	F isglyph
F getscripts	F isitalicglyph
F getshift	F isnext

F isnextchar	F glue
F isnextglyph	F gluespec
F isnode	F glyph
F isnut	F hlist
F isprev	F imagerule
F isprevchar	F indentskip
F isprevglyph	F italiccorrection
F issimilarglyph	F italicern
F iszeroglue	F kern
F kerning	F latelua
F lastnode	F leader
F length	F lefthangskip
F ligaturing	F leftmarginkern
F link	F leftskip
F linked	F lineskip
F locate	F literal
F migrate	F luaboundary
F migratebox	F mathchar
F mlisttohlist	F mathtextchar
F naturalhsize	F negatedglue
F naturalwidth	F noad
F nestedtracedslide	F originliteral
F new	F outlinerule
F newcontinuationatom	F pageliteral
F newmathglyph	F penalty
F openup	F radical
F patchattributes	F rawliteral
F patchparshape	F register
T pool	F restore
F accent	F righthangskip
F baselineskip	F rightmarginkern
F boundary	F rightskip
F boxrule	F rule
F choice	F save
F cleanup	F savepos
F delim	F setmatrix
F delimiter	F setstate
F direction	F shrink
F directliteral	F spacefontkern
F disc	F spacingrule
F emptyrule	F startrotation
F fence	F startscaling
F fontkern	F stock
F fraction	F stoprotation

F stopscaling	F setattribute
F stretch	F setattributelist
F strurule	F setattributes
F subbox	F setattrlist
F sublist	F setattrrs
F temp	F setboth
F usage	F setbottom
F userdefined	F setbox
T userids	F setboxglue
F usernode	F setchar
F userrule	F setchardict
F virtualrule	F setchoice
F vlist	F setclass
F wordboundary	F setcomponents
F prepend	F setdata
F prependbeforehead	F setdegree
F processranges	F setdelimiter
F processwords	F setdenominator
F protectglyph	F setdepth
F protectglyphs	F setdirection
F protectglyphsbase	F setdisc
F protectglyphsnone	F setdiscpart
F protrusionskipppable	F setdiscretionary
F rangedimensions	F setexcept
F rawprop	F setexpansion
F reference	F setfam
F rehpak	F setfield
F remove	F setfont
F removefromlist	F setgeometry
F repack	F setglue
F repackhlist	F setglyphdata
F replace	F setheight
F reverse	F setinputfields
T rules	F setkern
T ruleactions	F setlang
F box	F setlanguage
F draw	F setleader
F fill	F setleftdelimiter
F mp	F setlink
F stroke	F setlist
F userrule	F setmiddledelimiter
F serialized	F setnext
F setanchors	F setnucleus
F setattr	F setnumerator

F setoffsets	F tail
F setoptions	F takeattr
F setorientation	F takebox
F setparproperty	F takelist
F setpenalty	F theprop
F setpost	F tonode
F setpre	F tonodes
F setprev	F tonut
F setprime	F tosequence
F setprop	F tostring
F setreplace	F tracedslide
F setrightdelimiter	F traverse
F setruledata	F traversesear
F setruledimensions	F traversecontent
F setscale	F traverseglyph
F setscales	F traverseid
F setscript	F traverseitalic
F setscripts	F traverseleader
F setshift	F traverselist
F setslant	F traversepossible
F setspeciallist	T traversers
F setsplit	F alignrecord
F setstate	F boundary
F setsub	F char
F setsubpre	F content
F setsubtype	F dir
F setup	F disc
F setsuppre	F glue
F setsurround	F glyph
F settop	F hlist
F setvalue	F leader
F setvisual	F list
F setvisuals	F mark
F setweight	F next
F setwhd	F node
F setwidth	F penalty
F show	F possible
F slide	F rule
F softenhyphens	F unset
F somepenalty	F vlist
F somespace	F whatsit
F splitbox	T treversers
F startofpar	F char
F striprange	F content

F glyph		F processor	
F leader		points	function
F list		pool	table
F node		F baselineskip	
F possible		F cleanup	
T typesetters		F directliteral	
F tohbox		F glyph	
F tohpack		F hlist	
F tonodes		F latelua	
F tovbox		F leader	
F tovpack		F lineskip	
F unprotectglyph		F literal	
F unprotectglyphs		F originliteral	
F unsetattribute		F register	
F unsetattributes		F restore	
F untracedslide		F save	
F updatefirstandbotmark		F savepos	
F updatefirstmarks		F setmatrix	
F updatemarks		F stock	
F updatetopmarks		F usage	
F usedlist		F usernode	
F usesfont		F vlist	
F verticalbreak		prepend	function
F vianodes		print	function
F vianuts		processors	table
F vpack		F trace_glyph_run_a	
F write		F trace_glyph_run_b	
F xscaled		properties	table
F yscaled		T data	
packlist	function	pts	function
parcodes	data table	radicalcodes	data table
penaltycodes	data table	references	table
plugindata	table	N attribute	
F finalizer		T done	
F initializer		F handler	
S name		T stack	
T namespace		reheapack	function
N attribute		remove	function
D data		repackhlist	function
F enable		replace	function
F handler		report	function
F register		rightmarginwidth	function
D registered		rulecodes	data table
D values		rules	table

F handler		F set	
F process		subtypes	data table
F set		tail	function
F userrule		takeattr	function
serialize	function	takebox	function
serializebox	function	tasks	table
serialized	function	F actions	
setattr	function	F appendaction	
setattribute	function	F disableaction	
setattrlist	function	F disablegroup	
setboth	function	F enableaction	
setbox	function	F enablegroup	
setboxtonaturalwd	function	F freeze	
setchar	function	F freezegroup	
setfield	function	F new	
setfont	function	F prependaction	
setleader	function	F removeaction	
setlink	function	F replaceaction	
setlist	function	F restart	
setnext	function	F setaction	
setprev	function	F showactions	
setproperty	function	F table	
shadows	table	tobasepoints	function
F handler		tocentimeters	function
F set		tociceros	function
shifts	table	todidots	function
F handler		todimen	function
F set		toinches	function
showboxes	function	tomillimeters	function
showlist	function	tonode	function
showsimplelist	function	tonodes	function
skipcodes	data table	tonut	function
snapshots	table	topicas	function
F getsamples		topoints	function
F resetsamples		toscaledpoints	function
F takesample		tosequence	function
somepenalty	function	tostring	function
somespace	function	totable	function
specialskipcodes	table	totree	function
splitbox	function	toutf	function
startofpar	function	tracers	table
stripdiscretionaries	function	T colors	
stripping	table	F reset	
T glyphs		F set	

F setlist		unsetattribute	function
F directions		upcomingproperties	function
F fontchar		usedlist	function
T frequencys		vianodes	function
F register		vianuts	function
T pool		visualizebox	function
T nodes		visualizers	table
F rule		F attribute	
T nuts		T attributes	
F rule		F box	
F resetproperties		F definelayer	
F rule		F enable	
F setlist		T filters	
F setproperties		N continuation	
F start		N hglue	
T steppers		N hkern	
F check		N hpenalty	
F codes		N toddler	
F features		N vglue	
F font		N vkern	
F glyphs		N vpenalty	
F message		F getusedfont	
F messages		F handler	
F nofsteps		F markfonts	
F register		T modes	
F reset		N boundary	
F start		N depth	
F stop		N dir	
F stop		N discretionary	
T transparencys		N expansion	
F reset		N fontkern	
F set		N glue	
F setlist		N glyph	
traverse	function	N hbox	
traverseid	function	N hglue	
typesetters	table	N hkern	
F hbox		N hpenalty	
F hpack		N insert	
F tohbox		N italic	
F tohpack		N kern	
F tonodes		N line	
F tovbox		N marginkern	
F tovpack		N mark	
F vpack		N math	

N mathglue
N mathkern
N origin
N par
N penalty
N simple
N simplehbox
N simplevbox
N simplevtop
N space
N strut
N toddler
N user
N vbox

N vglue
N vkern
N vpenalty
N vtop
N whatsit
F register
F registercache
F setfont
F setlayer
F setruledglyph
F setvisual

vpack
whatsitcodes
write

function
data table
function

number (context)

	function	to16dot16	function
basepoints	function	tobasepoints	function
bytetodecimal	function	tobitstring	function
compactfloat	function	tocentimeters	function
decimaltobyte	function	tociceros	function
dimenfactors	data table	tocontext	function
formatted	function	todidots	function
formattedfloat	function	todimen	function
fractiontobyte	function	toediths	function
idiv	function	toevenhex	function
maxdimen	number	toinches	function
nopts	function	tomillimeters	function
nubasepoints	function	tonumberf	function
nupoints	function	tonumberg	function
percent	function	topics	function
points	function	topoints	function
pts	function	toscaled	function
signed	function	toscaledpoints	function
sparseexponent	function	totoves	function
splitdimen	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

foreign table

- F abivalues
- F getbuffer
- F initialize
- F load
- F newbuffer
- F totable
- F types

ghostscript table

- F execute
- F initialize

graphicsmagick table

- F execute
- F getnoisetypes
- F initialize

hb table

- F getshapers
- F getversion
- F initialize
- F loadfont
- F shapestring

imagemagick 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

library table

- F load

loaded table

lz4 table

- F compress
- F decompresssize
- F framecompress
- F framedecompress
- F initialize

lzma table

- F compress
- F decompress
- F initialize

lzo table

- F compress
- F decompresssize
- F initialize

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

openssl table

- F getversion
- F initialize
- F sign
- F verify

postgres 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

zstd **table**

F compress
F decompress
F initialize

os (basic lua)

__getenv__	function	platform	string
__setenv__	function	remove	overloaded function
binsuffix	string	rename	overloaded function
binsuffixes	table	resultof	function
bits	number	runtime	function
clock	function	selfarg	table
converttime	function	selfbin	string
date	overloaded function	selfcore	string
difftime	function	selfdir	string
enableansi	function	selflink	string
env	data table	selfname	string
execute	overloaded function	selfpath	string
exit	overloaded function	serialwrite	function
fulltime	function	setenv	overloaded function
getcodepage	function	setexitcode	function
getenv	overloaded function	setlocale	overloaded function
getnamevalues	function	sleep	function
gettimeofday	function	startuptime	function
gettypevalues	function	time	function
getunamefields	function	timezone	function
isleapyear	function	tmpname	function
launch	function	today	function
libsuffix	string	type	string
localtime	function	uname	function
name	string	uuid	function
newline	string	validdate	function
nofdays	function	weekday	function
now	function	where	function
pipeto	function	which	function

package (basic lua)

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

pagebuilders (context)

columnsets table

- F add
- F addmvl
- F block
- F blockrows
- F check
- F clean
- T data
- F define
- F definesub
- F delayedsheet
- F finishflush
- F flushareas
- F flushcolumn
- F goto
- F gotoslot
- F limit
- F noto
- F prepareflush
- F presetsheets
- F presetspreadsheets
- F put
- F putdirect
- F registerarea
- F registersheet
- F registerspreadsheets
- F reset
- F resetdirect

- F reshape
- F setarea
- F setextra
- F sethsize
- F sethspan
- F setlines
- F setmvl
- F setpresent
- F setproperties
- F setstart
- F shape
- F showshape
- F state
- F status
- F submvl
- F submvlbalance

injections table

- F flushafter
- F flushbefore
- F save

mixedcolumns table

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

pdf (context)

immediateobj function

pdfe (extra tex)

arraytotable	function	getnumber	function
close	function	getobjectrange	function
closestream	function	getpage	function
dictionarytotable	function	getpages	function
getarray	function	getpermissions	function
getboolean	function	getsize	function
getbox	function	getstatus	function
getcatalog	function	getstatusvalues	function
getdictionary	function	getstream	function
getencodingvalues	function	getstring	function
getfieldtypes	function	gettrailer	function
getfromarray	function	getversion	function
getfromdictionary	function	new	function
getfromobject	function	open	function
getfromreference	function	openfile	function
getfromstream	function	openstream	function
getinfo	function	pagestotable	function
getinteger	function	readfromstream	function
getmemoryusage	function	readwholestream	function
getname	function	type	function
getnofobjects	function	unencrypt	function
getnofpages	function		

physics (context)

units table

F registershortcut

F registerunit

D tables

pngdecode (extra tex)

applyfilter function
expand function
interlace function
makemask function

splitmask function
tocmyk function
tomask function

posit (extra lua)

NaN	function	exp2	function
NaNR	function	expand	function
__add	function	floor	function
__band	function	frombyte	function
__bor	function	fromchar	function
__bxor	function	fromposit	function
__div	function	integer	function
__eq	function	log	function
__le	function	log10	function
__lt	function	log1p	function
__mul	function	log2	function
__name	string	logb	function
__pow	function	max	function
__shl	function	min	function
__shr	function	modf	function
__sub	function	new	function
__tostring	function	pow	function
__unm	function	rotate	function
abs	function	round	function
acos	function	rounded	function
asin	function	shift	function
atan	function	sin	function
band	function	sqrt	function
bor	function	tan	function
bxor	function	tobyte	function
ceil	function	tochar	function
conj	function	tonumber	function
copy	function	toposit	function
cos	function	tostring	function
exp	function		

potrace (extra tex)

checked	function	getnewfields	function
concat	function	getpolicyvalues	function
contourplot	function	getprocessfields	function
convert	function	new	function
count	function	process	function
flush	function	setbitmap	function
free	function	stripped	function
fromfile	function	totable	function
getbitmap	function	trace	function

publications (context)

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

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

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

splitoneauthor	function	F showdatasetcompleteness	
statistics	table	F showdatasetfields	
N nofbytes		F showentry	
N nofdatasets		F showfields	
N nofdefinitions		F showhashedauthors	
N nofshortcuts		F showtables	
tables	table	F showvariants	
D implicits		typesetters	table
D origins		F author	
D privates		F string	
D sets		usedataset	function
D specials		usedentries	function
D types		writers	table
D virtuals		F author	
tags	function	F keyword	
tracers	table	F pagenumber	
F showdatasetauthors		F range	

qrcodegen (context)

bitmap function
generate function

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	findfiles	function
appendhash	function	findgivenfile	function
automount	function	findgivenfiles	function
booleanvariable	function	findlib	function
cacheversion	string	findpath	function
checkedvariable	function	findpk	function
cleanedpathlist	function	findtexfile	function
cleaners	data table	findwildcardfile	function
cleanpath	function	findwildcardfiles	function
cleanpathlist	function	formatofsuffix	function
cleanupbinfile	function	formatofvariable	function
concatinators	data table	formats	data table
configbanner	string	foundintree	function
configurationfiles	function	foundintrees	function
dangerous	data table	generators	data table
datastate	function	get_from_content	function
decompressors	table	getenv	function
F register		getextrapaths	function
F unregister		getfilehashes	function
defaultsuffixes	table	gethashes	function
dirstatus	function	getownpath	function
dowithfilesandreport	function	getreadfilename	function
dowithfilesintree	function	hashers	data table
dowithpath	function	homedir	string
dowithvariable	function	ignorelibrary	function
executers	table	initialized	function
expandbraces	function	installinputfilehandler	function
expandedpathfromlist	function	installinputlinehandler	function
expandedpathlist	function	jobpath	function
expandedpathlistfromvariable	function	jobs	table
expandpath	function	F collectstructure	
expandpathfromvariable	function	F currentcomponent	
expansion	function	F currentenvironment	
extendtexmfvariable	function	F currentproduct	
filtered_from_content	function	F currentproject	
find_file	function	F currentstructure	
find_files	function	F justacomponent	
findbinfile	function	F namelist	
findctxfile	function	D processors	
finders	data table	F productcomponent	
findfile	function	F usefile	

joinpath	function	registerfile	function
knownvariables	function	registerfilehash	function
libraries	table	registerintrees	function
F optionalloaded		registermethod	function
F validoptional		registerzipfile	function
load	function	relations	data table
loadbinfile	function	renew	function
loaders	data table	renewcache	function
loadluaLib	function	repath	function
loadtexfile	function	reset	function
loadtime	function	resetextrapaths	function
locateformat	function	resetresolve	function
locators	data table	resolve	function
luacnffallback	string	savers	data table
luacnfname	string	scandata	function
luacnfspec	string	scanfiles	function
luacnfstate	string	schemes	table
macros	table	T cleaners	
F convertfile		F md5	
F decodecomment		F none	
F enablecomment		F strip	
F encodecomment		F cleannname	
F preprocessed		F fetchstring	
F processmk		F fetchtable	
F processmkLx		F install	
F processmkvi		setdynamic	function
F version		setenv	function
maxreadlevel	number	showpath	function
methodhandler	function	simplescanfiles	function
missinglibrary	function	splitconfigurationpath	function
openbinfile	function	splitexpansions	function
openers	data table	splitmethod	function
openfile	function	splitpath	function
opentexfile	function	stackpath	function
ownpath	string	starttiming	function
popextrapath	function	stoptiming	function
popinputname	function	suffixes	data table
poppath	function	suffixmap	data table
prefixes	data table	suffixofformat	function
prependhash	function	texdatablob	function
pushextrapath	function	toppath	function
pushinputname	function	tracers	data table
pushpath	function	unexpandedpath	function
registerextrapath	function	unexpandedpathlist	function

unresolve	function	validatedpath	function
updaterelations	function	variable	function
updatescript	function	variableofformat	function
uselibrary	function	variableofformatorsuffix	function
usertypes	data table	wildcardpattern	function
usezipfile	function		

sandbox (context)

blockrequire	function
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

helpers data 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

serial (context)

__gc function
__name string
__tostring function
close function

open function
send function
tostring function
write function

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
readcline function
readcstring function
readfixed2 function
readfixed4 function
readinteger1 function

readinteger1le function
readinteger2 function
readinteger2le function
readinteger3 function
readinteger3le function
readinteger4 function
readinteger4le function
readintegertable function
tocardinal1 function
tocardinal1le function
tocardinal2 function
tocardinal2le function
tocardinal3 function
tocardinal3le function
tocardinal4 function
tocardinal4le function

socket (extra lua)

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

S	resent-cc		newtry	function
S	resent-date		protect	function
S	resent-from		report	function
S	resent-message-id		select	function
S	resent-reply-to		sink	function
S	resent-sender		sinkt	table
S	resent-to		F close-when-done	
S	retry-after		F default	
S	return-path		F http-chunked	
S	sender		F keep-open	
S	server		skip	function
S	smtp-remote-recipient		sleep	function
S	status		source	function
S	subject		sourcec	table
S	te		F by-length	
S	to		F default	
S	trailer		F http-chunked	
S	transfer-encoding		F until-closed	
S	upgrade		tcp	function
S	user-agent		tcp4	function
S	vary		tcp6	function
S	via		tp	table
S	warning		N TIMEOUT	
S	will-retry-until		F connect	
S	www-authenticate		try	function
S	x-mailer		url	table
F	lower		F absolute	
F	normalize		F build	
http		table	F build_path	
N	TIMEOUT		F escape	
S	USERAGENT		F parse	
F	genericform		F parse_path	
F	open		F unescape	
F	request			

sorters (context)

basicsorter function

comparers table

F basic

constants table

S defaultdigits

S defaultlanguage

S defaultmethod

N digitmaximum

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

sparse (extra lua)

concat function
get function
max function
min function
new function

range function
restore function
set function
traverse function
wipe function

statistics (context)

benchmarktimer function
checkfmtstatus function
currenttime function
elapsed function
elapsedindeed function
elapsedseconds function
elapsedtime function
enable boolean
feedback table
 F processstates
 F register
 F reportstates
 F setstate
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)

getbalancestate	function	getluastate	function
getbufferstate	function	getmarkstate	function
getcallbackstate	function	getmvlstate	function
getconstants	function	getneststate	function
geterrorlinestate	function	getnodestate	function
geterrorstate	function	getparameterstate	function
getexpandstate	function	getpoolstate	function
getfilestate	function	getreadstate	function
getfontstate	function	getsavestate	function
gethalferrorlinestate	function	getsparsestate	function
gethashstate	function	getstringstate	function
gethyphenationstate	function	gettexstate	function
getinputstate	function	gettokenstate	function
getinsertstate	function	getwarningstate	function
getlanguagestate	function	iocodes	table
getlinebreakstate	function	list	function
getlookupstate	function	resetmessages	function

storage (context)

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

streams (context)

collect function
disable function
enable function
flush function
initialize function

push function
start function
stop function
synchronize function

string (basic lua)

autodouble	function	octtointeger	function
autosingle	function	optionalquoted	function
booleanstring	function	pack	function
byte	function	packrowscolumns	function
bytepairs	function	packsize	function
bytes	function	quote	function
bytetable	function	quoted	function
char	function	rep	function
characterpairs	function	replacenewlines	function
characters	function	reverse	function
checkedsplit	function	split	function
chrtointeger	function	splitlines	function
collapsespaces	function	splitup	function
containsws	function	strip	function
count	function	sub	function
dectointeger	function	texhashed	function
dump	function	texnewlines	function
escapedpattern	function	tformat	function
escapedquotes	function	toHEX	function
explode	function	toboolean	function
f6	function	tobytes	function
find	function	tocontext	function
format	function	todec	function
formatter	function	todimen	function
formatters	function	tohex	function
fullstrip	function	tonodes	function
gmatch	function	topattern	function
gsub	function	totable	function
hextocharacters	function	tounicode16	function
hextointeger	function	toutf	function
is_boolean	function	toutf32	function
is_empty	function	toutf8	function
itself	function	tracedchar	function
len	function	tracedchars	table
limit	function	unescapedquotes	function
linetable	function	unpack	function
longtostring	function	unquote	function
lower	function	unquoted	function
match	function	upper	function
nospaces	function	utf16toutf8	function
nspaces	table	utfcharacter	function

utfcharacters	function
utfcharacterstable	function
utflength	function
utfpadd	function
utfpadding	function

utfvalue	function
utfvalues	function
utfvaluetable	function
valid	function
wordsplitter	function

structures (context)

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

F title
 F touserdata
inserts table
 F attach
 D data
 F define
 F detach
 F getdata
 F getlocation
 F getname
 F getnumber
 F nofdetached
 F setlocation
 F setup
 D stored
itemgroups table
 D collected
 D tobесaved
lists table
 F addto
 F analyze
 F bookmark
 D cached
 D collected
 F discard
 F enhance
 T enhancers
 F external
 F filter
 F formulanumber
 F getresult
 F groupindex
 F hasnumberdata
 F haspagedata
 F hastitledata
 F integrate
 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 rawnumber
 F rawrealpage
 F rawuserpage
 F realpage
 F reorder
 F reordered
 T result
 F savedlistnumber
 F savedlistprefixednumber
 F savedlisttitle
 D sectionblocks
 F size
 F title
 D tobесaved
 F use
 F userdata
 F userpage
 F uservalue

marks table

F number
 F title

notes table

F check_spacing
 F checkpagechange
 F define
 F doifonsamepageasprevious
 F flushrange
 F get
 F getdeltapage
 F getinternal
 F getn
 F getstate
 F hascontent
 F internal
 F internalid
 F listindex
 D 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 getlabels
F in_body
F is_odd
F mark
F marked
F markedlist
N nopages
F number
F on_right
F save
D tobesaved
F toranges

references table

F analyze
F checked
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 export

T files
T data
F define
F found
F get
F filter
F filterdefault
D filters
D flaginternals
F forceinnermode
F from
D functions
F get
F getcurrentlabel
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
F integrate
D internals
F load
F loadpresets
F mark
S outermethod
F pagefromhash
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 setinternalreference
 F setlinkmethod
 F setnextinternal
 F setnextorder
 F setreferencerealpage
 F setstructure
 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 integrate
 F prepare
 F process
 F setmethod
 F sort
 F store
 D tobesaved
 F tweak
 F unique
 F use
 F userdata

table

sections

F autodepth
 F cct
 D collected
 F current
 F currentblock
 F currentid
 F currentlevel
 F currentsectionindex
 F depthnumber
 F finddata
 F findnumber
 F fullnumber
 F getcurrentlevel
 F getlevel
 F getnumber
 F internalreference
 D levelmap
 D levels
 F matchingtilldepth

table

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 enhance
F filter
F finalize

F flush
F isshown
F isused
F meaning
F pages
F prepare
F process
F register
F registershown
F registerused
F reset
F resetall
F resetlist
F resetshown
F resetused
F sort
F synonym
D tobesaved

tags table

F analyze
T backend
 T checks
 F marginanchor
 F margintext
 F math
 F mrow
 F mtable
T destinationhash
T extras
 F adddestination
 F addimplicit
 F addinternal
 F addressference
 F combination
 F combinationpair
 F delimitedsymbol
 F description
 F descriptionsymbol
 F document
 F float
 F formulacontent
 F image
 F item
 F itemgroup

F link	F getextradata
F listitem	F getid
F mmultiscripts	F getitemgroup
F mover	F getmetadata
F mpgraphic	F getoption
F msub	F getsorting
F msubsup	F getsynonym
F msup	F gettablecell
F munder	F gettabulatecell
F munderover	F gettagreferencedescription
F paragraph	F handler
F publication	T ignored
F reference	F initializeexport
F registerlocation	D labels
F registerpages	F last
F registerseparator	F lastinchain
F section	F localexport
F sorting	F locatedtag
F subsentencesymbol	T modes
F synonym	S BlockQuote
F tablecell	S FENote
F tabulate	S H1
F tabulatecell	S H2
T finalizers	S H3
F descriptions	S H4
T fixes	S H5
F linenumber	S H6
F fontfaced	S H7
T listdata	S H8
T referencehash	S H9
F setattribute	S Lbl
F tofontface	S NonStruct
T usedimages	S P
T image	S Part
T mpgraphic	S Sect
T usedstyles	D overloads
T construct	T patterns
T highlight	U splitter
F current	F pop
F elementtag	D properties
F enabled	F push
F exportbox	F registerextradata
F finishexport	F registermetadata
F getdescriptionindex	F restart

F setaspect	B Form
F setattributehash	B H
F setcodepoint	B Index
F setcombination	B Link
F setcombinationpair	B Note
F setconstruct	B Quote
F setdescriptionindex	B Reference
F setfigure	B Strong
F setfloat	B TOC
F setformulacontent	B TOCI
F sethighlight	B Title
F setitem	T usewithcare
F setitemgroup	T where
F setmpgraphic	S Art
F setnotation	S Artifact
F setnotationsymbol	S Aside
F setparagraph	S BibEntry
F setproperty	S BlockQuote
F setpublication	S Code
F setregister	S DocumentFragment
F setsorting	S Em
F setsynonym	S FENote
F settablecell	S H1
F settabulatecell	S H2
F settagdelimitedsymbol	S H3
F settagsubsentencesymbol	S H4
F setupexport	S H5
F setuserproperties	S H6
D specifications	S H7
F start	S H8
F stop	S H9
F strip	S Index
D taglist	S Note
T unsupported	S Private
B Annot	S Quote
B Art	S Reference
B BibEntry	S Strong
B Caption	S Sub
B Document	S TOC
B DocumentFragment	S TOCI
B Em	S Title

table (basic lua)

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

tex (basic tex)

amcode	table	discpartcodes	data table
attribute	table	dontcomplain	function
automigrationcodes	data table	doublescriptoptioncodes	data table
autoparagraphcodes	data table	enableprimitives	function
badness	function	error	function
badnessmodecodes	data table	expandasvalue	function
balance	function	experiments	data table
balancecallbackcodes	data table	extraprimitives	function
boundaries	table	fatalerror	function
D names		fillcodes	data table
D numbers		flagcodes	data table
F system		fontidentifier	function
box	table	fontname	function
boxoptioncodes	data table	forcehmode	function
boxresources	table	forceinputstatefile	function
F getbox		forceinputstateline	function
F getdimensions		fprint	function
F save		frozenparcodes	data table
F use		get	function
breakcodes	data table	getadjustoptionvalues	function
buildcodes	data table	getalignmentcontextvalues	function
catcode	table	getamcode	function
cccode	table	getappendadjustcontextvalues	function
charactercontrolcodes	data table	getappendmigratecontextvalues	function
charactertagcodes	data table	getattribute	function
chardef	function	getautomigrationvalues	function
classoptioncodes	data table	getautoparagraphvalues	function
codes	table	getbadnessmodevalues	function
conditionals	data table	getbalancecallbackvalues	function
constants	data table	getbalanceparameterfields	function
count	table	getbalanceresultfields	function
cprint	function	getbalancestepoptionvalues	function
ctdcatcodes	number	getbox	function
ctxcatcodes	number	getboxdir	function
definefont	function	getboxoptionvalues	function
delcode	table	getboxresourcebox	function
dimen	table	getboxresource dimensions	function
dimensiondef	function	getbreakcontextvalues	function
directioncodes	data table	getbuildcontextvalues	function
directives	data table	getcardinalvalue	function
discoptioncodes	data table	getcatcode	function

getcccode	function	getinsertwidth	function
getcharactercontrolvalues	function	getintegervalue	function
getcharacteritagvalues	function	getinteraction	function
getcount	function	getinteractionmodes	function
getcurrentmvl	function	getiovalues	function
getdelcode	function	getkerneloptionvalues	function
getdelcodes	function	getkernoptionvalues	function
getdimen	function	getlargestusedmark	function
getdimensionvalue	function	getlccode	function
getdirectionvalues	function	getlinebreakparameterfields	function
getdiscoptionvalues	function	getlinebreakresultfields	function
getdiscpartvalues	function	getlinebreakstatevalues	function
getdoublescriptoptionvalues	function	getlinedir	function
getemptyparagraphmodevalues	function	getlist	function
geterrorvalues	function	getlistanchorvalues	function
getfillvalues	function	getlistfields	function
getflagvalues	function	getlistgeometryvalues	function
getfloat	function	getlistsignvalues	function
getfontoffamily	function	getlocalbox	function
getfrozenparvalues	function	getlocalboxlocations	function
getglue	function	getlocallevel	function
getglueoptionvalues	function	getmark	function
getglyphdata	function	getmarknames	function
getglyphdiscvalues	function	getmath	function
getglyphoptionvalues	function	getmathclassoptionvalues	function
getglyphprotectionvalues	function	getmathcode	function
getglyphscales	function	getmathcodes	function
getglyphscript	function	getmathcontrolvalues	function
getglyphstate	function	getmathdir	function
getgroupvalues	function	getmathgluevalues	function
gethccode	function	getmathoptionvalues	function
gethelptext	function	getmathparametervalues	function
gethmcodes	function	getmathscriptordervalue	function
gethyphenationvalues	function	getmathscriptsmodevalues	function
getiftypes	function	getmathstylenamevalues	function
getinputstatefile	function	getmathstylevalues	function
getinputstateline	function	getmathstylevariant	function
getinputstatemode	function	getmathsurroundvalues	function
getinsertcontent	function	getmathvariantpresets	function
getinsertdepth	function	getmathvariantvalues	function
getinsertdistance	function	getmeasure	function
getinsertheight	function	getmissingcharactervalues	function
getinsertlimit	function	getmode	function
getinsertmultiplier	function	getmodevalues	function

<code>getmuglue</code>	function	<code>getunitclassvalues</code>	function
<code>getmuskip</code>	function	<code>getusedmarks</code>	function
<code>getmvloptionvalues</code>	function	<code>getvsplitcontextvalues</code>	function
<code>getnest</code>	function	<code>glue</code>	table
<code>getnestfields</code>	function	<code>glueoptioncodes</code>	data table
<code>getnestlevel</code>	function	<code>glyphdiscodes</code>	data table
<code>getnoadooptionvalues</code>	function	<code>glyphoptioncodes</code>	data table
<code>getnormalizelinevalues</code>	function	<code>groupcodes</code>	data table
<code>getnormalizeparvalues</code>	function	<code>hashtokens</code>	function
<code>getoutputactive</code>	function	<code>hccode</code>	table
<code>getpacktypevalues</code>	function	<code>hmcode</code>	table
<code>getpagecontextvalues</code>	function	<code>hshcatcodes</code>	number
<code>getpagestate</code>	function	<code>hyphenationcodes</code>	data table
<code>getpagestatevalues</code>	function	<code>ifs</code>	data table
<code>getparametermodevalues</code>	function	<code>inimatcodes</code>	number
<code>getparcontextvalues</code>	function	<code>integerdef</code>	function
<code>getpardataspecifications</code>	function	<code>interactioncodes</code>	data table
<code>getpardir</code>	function	<code>isattribute</code>	function
<code>getparmodevalues</code>	function	<code>isbox</code>	function
<code>getparstate</code>	function	<code>iscount</code>	function
<code>getparstatefields</code>	function	<code>isdefined</code>	function
<code>getpartriggervalue</code>	function	<code>isdimen</code>	function
<code>getpenaltyoptionvalues</code>	function	<code>isfloat</code>	function
<code>getpositvalue</code>	function	<code>isglue</code>	function
<code>getprepoststatevalues</code>	function	<code>ismuglue</code>	function
<code>getprimitivelegacies</code>	function	<code>ismuskip</code>	function
<code>getprimitiveorigins</code>	function	<code>isprintable</code>	function
<code>getprotrusionboundaryvalues</code>	function	<code>isskip</code>	function
<code>getregisterindex</code>	function	<code>istoks</code>	function
<code>getruleoptionvalues</code>	function	<code>lastnodetype</code>	function
<code>getrunstate</code>	function	<code>lccode</code>	table
<code>getrunstatevalues</code>	function	<code>linebreak</code>	function
<code>getsfcode</code>	function	<code>linebreakstatecodes</code>	data table
<code>getshapingpenaltiesvalues</code>	function	<code>listanchorcodes</code>	data table
<code>getskip</code>	function	<code>listgeometrycodes</code>	data table
<code>getsnappingvalues</code>	function	<code>lists</code>	table
<code>getspecialmathclassvalues</code>	function	<code>listsigncodes</code>	data table
<code>getspecification</code>	function	<code>luacatcodes</code>	number
<code>getspecificationoptionvalues</code>	function	<code>magicconstants</code>	table
<code>gettextcontrolvalues</code>	function		
<code>gettextdir</code>	function	<code>S activecharacternamespace</code>	
<code>gettoks</code>	function	<code>N allfitnessvalues</code>	
<code>getuccode</code>	function	<code>N assumedmathcontrol</code>	
<code>getuleaderlocationvalues</code>	function	<code>N awfulbad</code>	
		<code>N decentcriterion</code>	

N defaultcatcodetable	N maxinteger
N defaultcharactercontrol	N maxintegerregisterindex
N defaultdeadcycles	N maxintregisterindex
N defaulteqnogapstep	N maxlimitedscale
N defaulthangafter	N maxmarkindex
N defaultoutputbox	N maxmathclasscode
N defaultpredisplaygap	N maxmathfamilyindex
N defaultrule	N maxmathscalingfactor
N defaultspacefactor	N maxmathstylescale
N defaulttolerance	N maxmugluregisterindex
N deplorable	N maxmvlindex
N ejectpenalty	N maxnewlinecharacter
N ignoredepth	N maxnofbytecodes
N infinitebad	N maxnofcatcodetables
N infinitepenalty	N maxnoffitnessvalues
N infinity	N maxnoffonts
N largewidthexcess	N maxnoflanguages
N loosecriterion	N maxnofmarks
N mathallclass	N maxnofmathfamilies
N mathbeginclass	N maxquarterword
N mathdefaultpenalty	N maxscalefactor
N mathendclass	N maxsizeofword
N mathfirstuserclass	N maxspacefactor
N mathlastuserclass	N maxtoksregisterindex
N maxattributeregisterindex	N maxtwinlength
N maxboxregisterindex	N mincardinal
N maxbytecodeindex	N mindatavalue
N maxcalculatedbadness	N mindimen
N maxcardinal	N mindimension
N maxcharactercode	N minhalfword
N maxdatavalue	N mininfinity
N maxdimen	N mininteger
N maxdimenregisterindex	N minmvlindex
N maxdimension	N minnoffitnessvalues
N maxdimensionregisterindex	N minquarterword
N maxendlinecharacter	N minscalefactor
N maxfloatregisterindex	N minspacefactor
N maxfontadjustshrinkfactor	N nocatcodetable
N maxfontadjuststep	N null
N maxfontadjuststretchfactor	N nullflag
N maxfunctionreference	N nullfont
N maxgluregisterindex	N onebp
N maxhalfvalue	N presetrulethickness
N maxhalfword	N runningrule

N smallstretchability			
N specialspacefactor			
N texeqtbsize			
N texhashprime			
N texhashsize			
N two			
N undefinedmathparameter			
N unity			
N unusedattributevalue			
N unusedmathfamily			
N unusedmathstyle			
N unusedscriptvalue			
N unusedstatevalue			
N zeroglue			
mathchardef	function		
mathcode	table		
mathcontrolcodes	data table		
mathoptioncodes	data table		
mathparametercodes	data table		
mathscriptordercodes	data table		
mathscriptsmodecodes	data table		
modelevels	table		
N horizontal			
N math			
N unset			
N vertical			
modes	data table		
mprint	function		
muglue	table		
muskip	table		
mvloptioncodes	data table		
nest	table		
nilcatcodes	number		
noadoptioncodes	data table		
normalizelinecodes	data table		
normalizeparcodes	data table		
notcatcodes	number		
number	function		
overloadpermitted	function		
parcontextcodes	data table		
partriggercodes	data table		
penaltyoptioncodes	data table		
poplocal	function		
popsavelevel	function		
posit		table	
positdef		function	
preparelinebreak		function	
primitives		function	
print		function	
protrusionboundarycodes		data table	
prtcategories		number	
pushlocal		function	
pushsavelevel		function	
quitlocal		function	
quittoks		function	
resetparagraph		function	
rlncategories		number	
romannumeral		function	
round		function	
ruleoptioncodes		data table	
runlocal		function	
runstatecodes		data table	
runstring		function	
runtoks		function	
saveboxresource		function	
scale		function	
scantoks		function	
set		function	
setamcode		function	
setattribute		function	
setbalanceshape		function	
setbox		function	
setboxdir		function	
setcardinalvalue		function	
setcatcode		function	
setccode		function	
setconditional		function	
setcount		function	
setdelcode		function	
setdimen		function	
setdimensionvalue		function	
setfloat		function	
setglue		function	
setglyphdata		function	
setglyphscript		function	
setglyphstate		function	
sethccode		function	
sethcode		function	

setinputstatefile	function	showcontext	function
setinputstateline	function	skip	table
setinputstatemode	function	snappingcodes	data table
setinsertcontent	function	snapshotpar	function
setinsertdistance	function	sp	function
setinsertlimit	function	specialmathclasscodes	data table
setinsertmultiplier	function	specificationoptioncodes	data table
setintegervalue	function	splitbox	function
setinteraction	function	splitcodes	data table
setlccode	function	sprint	function
setlinedir	function	stringtodesbitmap	function
setlist	function	systemmodes	data table
setlocalbox	function	takebox	function
setmath	function	textcatcodes	number
setmathcode	function	textcontrolcodes	data table
setmathdir	function	toks	table
setmuglue	function	tonumber	function
setmuskip	function	toscaled	function
setnest	function	tpacatcodes	number
setpardir	function	tpbcacodes	number
setpositvalue	function	tprint	function
setrunstate	overloaded function	trackers	data table
setsfcode	function	triggerbuildpage	function
setskip	function	txtcatcodes	number
settextdir	function	uccode	table
settoks	function	uprint	function
setuccode	function	useboxresource	function
sfcode	table	userdiscoptioncodes	data table
shapingpenaltiescodes	data table	userglyphoptioncodes	data table
shiftparshape	function	vrbcacodes	number
shipout	function	write	function

texconfig (basic tex)

bufferize	table	languagesize	table
N size		N size	
N step		N step	
errorlinesize	table	marksize	table
N size		N size	
expandsize	table	N step	
N size		nestsize	table
filesize	table	N size	
N size		N step	
N step		nodesize	table
firstline	string	N size	
fontsize	table	N step	
N size		parametersize	table
N step		N size	
formatname	string	N step	
functionsized	number	poolsize	table
halferrorlinesize	table	N size	
N size		N step	
hashsize	table	propertyssize	number
N size		savesize	table
N step		N size	
init	overloaded function	N step	
inputsize	table	shell_escape	string
N size		stringsize	table
N step		N size	
insertsize	table	N step	
N size		tokensize	table
N step		N size	
kpse_init	boolean	N step	

texio (basic tex)

closeinput function
forceendoffile function
getinputindex function
getselectorvalues function
getsourcefilename function
setlogfile function
terminal function

write function
write_nl function
writeln function
writeselector function
writeselectorlf function
writeselectornl function

token (basic tex)

create	function	getexpandable	function
expand	function	getexpansion	function
expand_macro	function	getfields	function
expandmacro	function	getflags	function
future_expand	function	getfrozen	function
futureexpand	function	getfunctionvalues	function
get_active	function	getid	function
get_cmdchrsc	function	getimmutable	function
get_cmdname	function	getindex	function
get_command	function	getinstance	function
get_csname	function	getinteger	function
get_cstoken	function	getlength	function
get_dimension	function	getmacro	function
get_expandable	function	getmeaning	function
get_fields	function	getnoaligned	function
get_flags	function	getparameters	function
get_frozen	function	getpermanent	function
get_id	function	getprimitive	function
get_immutable	function	getprimitives	function
get_index	function	getprotected	function
get_instance	function	getrange	function
get_integer	function	gettok	function
get_macro	function	gettolerant	function
get_meaning	function	gobble	function
get_noaligned	function	gobble_dimension	function
get_parameters	function	gobble_integer	function
get_permanent	function	gobbledimension	function
get_primitive	function	gobbleinteger	function
get_protected	function	grab	function
get_range	function	grabstring	function
get_tok	function	inhibit	function
get_tolerant	function	is_defined	function
getactive	function	is_next_char	function
getcmdchrsc	function	is_token	function
getcmdname	function	isactivestring	function
getcommand	function	isdefined	function
getcommandvalues	function	isnextchar	function
getconstant	function	istoken	function
getcsname	function	locatemacro	function
getcstoken	function	new	function
getdimension	function	peek_next	function

<code>peek_next_char</code>	function	<code>scan_tokenlist</code>	function
<code>peek_next_expanded</code>	function	<code>scan_toks</code>	function
<code>peeknext</code>	function	<code>scan_value</code>	function
<code>peeknextchar</code>	function	<code>scan_word</code>	function
<code>peeknextexpanded</code>	function	<code>scanargument</code>	function
<code>pop_macro</code>	function	<code>scanbox</code>	function
<code>popmacro</code>	function	<code>scancardinal</code>	function
<code>push_macro</code>	function	<code>scanchar</code>	function
<code>pushmacro</code>	function	<code>scancmdchr</code>	function
<code>put_back</code>	function	<code>scancmdchrexplanded</code>	function
<code>put_next</code>	function	<code>scancode</code>	function
<code>putback</code>	function	<code>scancsname</code>	function
<code>putnext</code>	function	<code>scancstoken</code>	function
<code>save_lua</code>	function	<code>scandelimited</code>	function
<code>savelua</code>	function	<code>scandetokened</code>	function
<code>scan_argument</code>	function	<code>scandimen</code>	function
<code>scan_box</code>	function	<code>scandimenargument</code>	function
<code>scan_cardinal</code>	function	<code>scandimension</code>	function
<code>scan_char</code>	function	<code>scandimensionargument</code>	function
<code>scan_cmdchr</code>	function	<code>scanfloat</code>	function
<code>scan_cmdchr_expanded</code>	function	<code>scanglue</code>	function
<code>scan_code</code>	function	<code>scanint</code>	function
<code>scan_csname</code>	function	<code>scaninteger</code>	function
<code>scan_delimited</code>	function	<code>scanintegerargument</code>	function
<code>scan_dimen</code>	function	<code>scankey</code>	function
<code>scan_float</code>	function	<code>scankeyword</code>	function
<code>scan_glue</code>	function	<code>scankeywordcs</code>	function
<code>scan_integer</code>	function	<code>scanletters</code>	function
<code>scan_key</code>	function	<code>scanluacardinal</code>	function
<code>scan_keyword</code>	function	<code>scanluainteger</code>	function
<code>scan_keyword_cs</code>	function	<code>scanluanumber</code>	function
<code>scan_letters</code>	function	<code>scannext</code>	function
<code>scan_luacardinal</code>	function	<code>scannextchar</code>	function
<code>scan_luainteger</code>	function	<code>scannextexpanded</code>	function
<code>scan_luanumber</code>	function	<code>scanposit</code>	function
<code>scan_next</code>	function	<code>scanreal</code>	function
<code>scan_next_char</code>	function	<code>scanscale</code>	function
<code>scan_next_expanded</code>	function	<code>scanskip</code>	function
<code>scan_real</code>	function	<code>scanstring</code>	function
<code>scan_scale</code>	function	<code>scantoken</code>	function
<code>scan_skip</code>	function	<code>scantokencode</code>	function
<code>scan_string</code>	function	<code>scantokenlist</code>	function
<code>scan_token</code>	function	<code>scantokenstring</code>	function
<code>scan_token_code</code>	function	<code>scantoks</code>	function

scanvalue	function	setmacro	function
scanword	function	setmacrofrommark	function
serialize	function	setmacrotonothing	function
set_dimension	function	skip_next	function
set_integer	function	skip_next_expanded	function
set_lua	function	skipnext	function
set_macro	function	skipnextexpanded	function
setdimension	function	type	function
setinteger	function	undefine_macro	function
setlua	function	undefinemacro	function

tokens (context)

accessors	table	S todimen	
F active		S toglue	
F cmd		S tonumber	
F cmdchrsc		S tostring	
F cmdname		create	function
F command		defined	function
F csname		flags	function
F expandable		getinteger	function
F frozen		getters	table
F index		F box	
F name		F count	
F protected		F cstoken	
F range		F dimen	
astable	function	F glue	
bits	table	F macro	
N active		F meaning	
N alignment		F skip	
N begingroup		F token	
N character		gobble	function
N cclose		isactivestring	function
N comment		isdefined	function
N endgroup		istoken	function
N endofline		new	function
N escape		pickup	function
N ignore		popmacro	function
N invalid		presets	table
N letter		T 1 argument	
N mathshift		T 1 integer	
N open		T 1 optional	
N other		T 1 string	
N parameter		T 2 arguments	
N space		T 2 integers	
N subscript		T 2 optionals	
N superscript		T 2 strings	
N whitespace		T 3 arguments	
cache	data table	T 3 integers	
commands	data table	T 3 optionals	
compile	function	T 3 strings	
constant	function	T 4 arguments	
converters	table	T 4 integers	
S toboolean		T 4 optionals	

T 4 strings		F luainteger	
T 5 strings		F luanumber	
T 6 strings		F lxmlid	
T 7 strings		F next	
T 8 strings		F nextchar	
pushmacro	function	F nextexpanded	
scanners	table	F number	
F argument		F optional	
F argumentasis		F peek	
F array		F peekchar	
F boolean		F peekexpanded	
F box		F posit	
F bracketed		F real	
F bracketedasis		F scanclose	
F cardinal		F scanopen	
F char		F skip	
F cmdchr		F skipexpanded	
F cmdchrexploded		F string	
F code		F table	
F conditional		F token	
F count		F tokencode	
F csname		F tokenlist	
F csnameunchecked		F tokens	
F delimited		F tokenstring	
F detokened		F toks	
F dimen		F value	
F dimension		F vbox	
F dimensionargument		F verbatim	
F float		F vtop	
F glue		F whd	
F gluespec		F word	
F gluevalues		setinteger	function
F hash		setters	table
F hbox		F box	
F integer		F char	
F integerargument		F count	
F ischar		F dimen	
F key		F glue	
F keyword		F lua	
F keywordcs		F macro	
F letters		F skip	
F list		shortcuts	table
F lua		T bits	
F luacardinal		N active	

N alignment	F atan
N begingroup	F band
N character	F bor
N close	F bxor
N comment	F ceil
N endgroup	F conj
N endofline	F copy
N escape	F cos
N ignore	F exp
N invalid	F exp2
N letter	F expand
N mathshift	F floor
N open	F frombyte
N other	F fromchar
N parameter	F fromposit
N space	F integer
N subscript	F log
N superscript	F log10
N whitespace	F loglp
N close	F log2
F inspect	F logb
N open	F max
T posit	F min
F NaN	F modf
F NaR	F new
F __add	F pow
F __band	F rotate
F __bor	F round
F __bxor	F rounded
F __div	F shift
F __eq	F sin
F __le	F sqrt
F __lt	F tan
F __mul	F tobyte
S __name	F tochar
F __pow	F tonumber
F __shl	F toposit
F __shr	F tostring
F __sub	F report
F __tostring	F scanargument
F __unm	F scanargumentasis
F abs	F scanarray
F acos	F scanboolean
F asin	F scanbox

F scanbracketed	F detokened
F scanbracketedasis	F dimen
F scancardinal	F dimension
F scanclose	F dimensionargument
F scancode	F float
F scanconditional	F glue
F scanscname	F gluespec
F scanscnameunchecked	F gluevalues
F scandelimited	F hash
F scandetokened	F hbox
F scandimen	F integer
F scandimension	F integerargument
F scandimensionargument	F ischar
F scanfloat	F key
F scanglue	F keyword
F scangluespec	F keywordcs
F scangluevalues	F letters
F scanhash	F list
F scanhbox	F lua
F scaninteger	F luacardinal
F scanintegerargument	F luainteger
F scankeyword	F luanumber
F scankeywordcs	F lxmlid
F scanletters	F next
F scanlist	F nextchar
F scanlua	F nextexpanded
T scanners	F number
F argument	F optional
F argumentasis	F peek
F array	F peekchar
F boolean	F peekexpanded
F box	F posit
F bracketed	F real
F bracketedasis	F scanclose
F cardinal	F scanopen
F char	F skip
F cmdchr	F skipexpanded
F cmdchrexpanded	F string
F code	F table
F conditional	F token
F count	F tokencode
F csname	F tokenlist
F csnameunchecked	F tokens
F delimited	F tokenstring

F toks	S toglue
F value	S tonumber
F vbox	S tostring
F verbatim	F create
F vtop	F defined
F whd	F flags
F word	F getinteger
F scannumber	T getters
F scanopen	F box
F scanoptional	F count
F scanposit	F ctoken
F scanstring	F dimen
F scantable	F glue
F scantokenlist	F macro
F scantokenstring	F meaning
F scantoks	F skip
F scanvbox	F token
F scanverbatim	F gobble
F scanvtop	F isactivestring
F scanword	F isdefined
F toboolean	F istoken
F todimen	F new
T tokens	F pickup
T accessors	F popmacro
F active	T presets
F cmd	F pushmacro
F cmdchrsc	F setinteger
F cmdname	T setters
F command	F box
F csname	F char
F expandable	F count
F frozen	F dimen
F index	F glue
F name	F lua
F protected	F macro
F range	F skip
F astable	T shortcuts
D cache	N close
D commands	F inspect
F compile	N open
F constant	F report
T converters	F scanargument
S toboolean	F scanargumentasis
S todimen	F scanarray

F scanboolean
F scanbox
F scanbracketed
F scanbracketedasis
F scancardinal
F scanclose
F scancode
F scanconditional
F scanscname
F scanscnameunchecked
F scandelimited
F scandetokened
F scandimen
F scandimension
F scandimensionargument
F scanfloat
F scanglue
F scangluespec
F scangluevalues
F scanhash
F scanhbox
F scaninteger
F scanintegerargument
F scankeyword
F scankeywordcs

F scanletters
F scanlist
F scanlua
F scannumber
F scanopen
F scanoptional
F scanposit
F scanstring
F scantable
F scantokenlist
F scantokenstring
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)

printerror function
printwarning function

showlines function

trackers (context)

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

typesetters (context)

alignments table

F handler

F set

breakpoints table

F define

F handler

D mapping

T methods

T numbers

F set

F setreplacement

cases table

T actions

F handler

F register

F set

characteralign table

F handler

F resetcharacteralign

F setcharacteralign

characters table

F handler

T methods

F replacensp

F replacenspaces

checkers table

F handler

F reset

F set

cleaners table

F handler

F set

compare table

F handler

F reset

F set

F setpair

F setup

corrections table

F handler

digits table

T actions

F handler

F set

directions table

F getfences

F getglobal

F getmethod

F handler

T handlers

F installhandler

F set

F setcolor

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 handler

F set

injectors table

F check

T list

F mark

F reset

F set

F show

italics table

F enablemath

F enabletext

F handler

kerns table

D factors

F handler

F keepligature		F stripped	
D mapping		F tostring	
F set		rubies	table
localboxes	table	F attach	
F handler		F check	
manipulators	table	showinvisibles	function
F apply		showsuspects	function
F applyspecification		spacings	table
T methods		F define	
F Word		F handler	
F Words		D mapping	
F abbreviatedjournal		T numbers	
F expandedjournal		T frenchpunctuation	
F lowercase		T characters	
F stripperperiod		S name	
F uppercase		N number	
T patterns		F reset	
U list		F set	
U pair		F setup	
F splitspecification		stacking	table
margins	table	F getindex	
F finalhandler		F getselection	
F globalhandler		F handler	
F localhandler		swapping	table
F save		F handler	
marksuspects	function	synchronize	table
paragraphs	table	F handler	
F addanchortoline		tighten	table
F addtoline		F handler	
F calculatedelta		wrappers	table
F checkline		xtables	table
F moveinline		F cleanup	
periodkerns	table	F construct	
D factors		F create	
F handler		F finish_row	
D mapping		F flush	
F set		F initialize_construct	
processors	table	F initialize_reflow_height	
F apply		F initialize_reflow_width	
F register		F next_row	
F reset		F reflow_height	
F split		F reflow_width	
F startapply		F set_construct	
F stopapply			

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 readcardinal11e
- F readcardinal2
- F readcardinal21e
- F readcardinal3
- F readcardinal31e
- F readcardinal4
- F readcardinal41e
- F readcardinaltable
- F readchar
- F readcline
- F readcstring
- F readfixed2
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger11e
- F readinteger2
- F readinteger21e
- F readinteger3
- F readinteger31e
- F readinteger4
- F readinteger41e
- 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 writecardinal11e
- F writecardinal2
- F writecardinal21e
- F writecardinal3
- F writecardinal31e
- F writecardinal4
- F writecardinal41e
- F writeinteger1
- F writeinteger11e
- F writeinteger2
- F writeinteger21e
- F writeinteger3
- F writeinteger31e
- F writeinteger4
- F writeinteger41e
- F writestring

formatters table

- F formatcolumns
- F list
- F stripzeros

ghostscript table

- F convert
- F statistics

graphicmagick table

- F convert
- F statistics

graphicsmagick table

- F convert
- F statistics

json table

F load		T hashes
F tojson		T settings_to_list
F tolua		T tablet
F tostring		T settings_to_set
lua	table	T min,max,fit,broad,auto
B alwaysstripcode		B auto
F checkmemory		B broad
F compile		B fit
F loadedluacode		B max
F loadstring		B min
F loadstripped		T text,hidden,paper,page,leftpage,rightpage
N nofstrippedbytes		B hidden
N nofstrippedchunks		B leftpage
F registerfinalizer		B page
B stripcode		B paper
T strippedchunks		B rightpage
F strippedloadstring		B text
T suffixes		F iterator
S lmt		F keq_to_hash
S lua		F listitem
S luc		F make_settings_to_hash_pattern
S lui		F mergehashes
S luj		F options_to_array
S luv		F options_to_hash
S tma		T patterns
S tmc		U settings_to_array
S tua		U settings_to_hash_a
S tuc		U settings_to_hash_b
packers	table	U settings_to_hash_c
F hashed		U settings_to_hash_d
F new		U unittotex
F pack		F process_stripped_settings
F simplehashed		F rfc4180splitter
F strip		F runtime
F unpack		F settings_to_array
N version		F settings_to_array_obey_fences
parsers	table	F settings_to_array_with_repeat
F add_settings_to_array		F settings_to_hash
F arguments_to_table		F settings_to_hash_colon_too
F array_to_string		F settings_to_hash_strict
F csvsplitter		F settings_to_hash_tolerant
F getparameters		F settings_to_numbers
F groupedsplitat		F settings_to_set
F hash_to_string		F simple_hash_to_string

F splitmethod		F list	
F splitthousands		F new	
F stepper		F register	
F stripped_settings_to_array		F report	
F totime		F reset	
F unittotex		F show	
F unittoxml		signals	table
randomizer	table	S configuration	
F get		F initialize	
F getnumber		F loadstate	
F getrepeatable		F report	
F getrepeatableseed		F savestate	
F getseed		F serialclose	
F newrepeatable		F serialfast	
F popseed		F serialopen	
F pushseed		S serialprefix	
F repeatable		F serialsend	
F reuseseed		F serialwrite	
F setseed		N version	
F setseedi		stacker	table
randomizers	table	F new	
F poisson		storage	table
sequencers	table	F allocate	
F appendaction		F checked	
F appendgroup		F mark	
F compile		F marked	
F disableaction		F setinitializer	
F disablegroup		F sparse	
F enableaction		streams	table
F enablegroup		F close	
D functions		F getposition	
F localize		F getsize	
F new		F getstring	
F nodeprocessor		F look	
F prependaction		F open	
F prependgroup		F openstring	
F removeaction		F read2dot14	
F replaceaction		F readbyte	
F setkind		F readbytes	
F toString		F readbytetable	
setters	table	F readcardinal	
F disable		F readcardinal1	
F enable		F readcardinal11e	
F initialize		F readcardinal2	

F readcardinal2le
F readcardinal3
F readcardinal3le
F readcardinal4
F readcardinal4le
F readcardinaltable
F readchar
F readcline
F readcstring
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 setposition
F size
F skip
F skipbytes
F skiplong
F skipshort
F tocardinal1
F tocardinal1le
F tocardinal2
F tocardinal2le
F tocardinal3
F tocardinal3le
F tocardinal4
F tocardinal4le

strings table

F collapse
F collapsecrlf
T formatters
F add
F new
F newcollector

F newrepeater
F nice
T striplinepatterns
U collapse
U collapse all
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

tar table

T archives
F closearchive
T files
F fetch
F hash
F list
F pack
F unpack
F openarchive
T registeredfiles
T streams
F fetch
F hash
F list
F pack
F unpack
T strings

F fetch
F hash
F list
F pack
F unpack
templates table
F load
F replace
F replacer
F resolve

zipfiles table
F close
F found
F hash
F list
F open
F unzip
F unzipdir
F zipdir

vector (context)

add	function	homogenize	function
append	function	identity	function
average	function	inner	function
ceiling	function	insert	function
checkoverlap	function	inverse	function
collectoverlap	function	ismesh	function
concat	function	issingular	function
contour	table	isvector	function
F average		iszero	function
F bounds		mesh	table
F checkoverlap		F get	
F collectoverlap		F getdimensions	
F getarea		F ismesh	
F getmesh		F new	
F makemesh		F set	
F overlapping		F tostring	
F show		F totable	
F sort		F type	
copy	function	meshname	function
crossproduct	function	mul	function
delete	function	negate	function
determinant	function	new	function
div	function	normalize	function
equal	function	onecolumn	function
exchange	function	onerow	function
floor	function	product	function
get	function	remove	function
getdimensions	function	replace	function
getepsilon	function	round	function
getmesh	function	rowechelon	function
getrc	function	set	function
getrow	function	setepsilon	function
getstacking	function	setnext	function
gettype	function	setrc	function
helpers	table	setstacking	function
F points		slice	function
F transform		sort	function
F xrotation		sub	function
F xyzscale		swap	function
F yrotation		tostring	function
F zrotation		totable	function

transpose function
triangulate function

truncate function
type function

visualizers (context)

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

xcomplex (extra lua)

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

xdecimal (extra lua)

__add	function	bxor	function
__band	function	conj	function
__bor	function	copy	function
__bxor	function	exp	function
__div	function	getprecision	function
__eq	function	ln	function
__idiv	function	log	function
__le	function	max	function
__lt	function	min	function
__mod	function	minus	function
__mul	function	new	function
__name	string	plus	function
__pow	function	pow	function
__shl	function	rotate	function
__shr	function	setprecision	function
__sub	function	shift	function
__tostring	function	sqrt	function
__unm	function	toengstring	function
abs	function	tonumber	function
band	function	tostring	function
bor	function	trim	function

xmath (extra lua)

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

xml (context)

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

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

include	function	F tex	
inclusion	function		placeholders table
inclusions	function	F unknown_any_entity	
index	function	F unknown_dec_entity	
inheritattributes	function	F unknown_hex_entity	
inheritedconvert	function		popmatch function
inject	function		position function
inject_element	function		privatecodes data table
inject_element_after	function		privatetoken function
inject_element_before	function		process function
injectafter	function		process_attributes function
injectbefore	function		process_elements function
insert	function		processattributes function
insert_element	function		profiled table
insert_element_after	function		pure function
insert_element_before	function		pushmatch function
insertafter	function		raw function
insertbefore	function		registerentity function
insertcdata	function		registerns function
insertcomment	function		reindex function
inspect	function		remap_name function
is_valid	function		remap_namespace function
kind	function		remap_tag function
last	function		remapname function
lastmatch	function		remapnamespace function
load	function		remaptag function
lpath	function		rename function
lpathcached	function		renamespace function
lpathcalls	function		reparseentitylpeg userdata
lshow	function		replace function
makestandalone	function		replace_element function
match	function		resetinjectors function
mml	table		resolvns function
F stripped			root function
F verbose			save function
name	function		selection function
newhandlers	function		separate function
nodesettostring	function		serialize function
originalload	function		serializetotext function
package	function		setcdata function
parent	function		setcomment function
parsedentitylpeg	userdata		sethandlersfunction function
pihandlers	table		setinjectors function
F injector			setproperty function

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

xzip (extra lua)

adler32 function
compress function
compresssize function

crc32 function
decompress function
decompresssize function

zip (context)

archives

table

closearchive

function

openarchive

function

registeredfiles

table

zlib (context)

adler32 function
compress function
compresssize function

crc32 function
decompress function
decompresssize function