

global (alias: _G)

CONTEXTLMTXMODE	number	ctxrunner	table
FFISUPPORTED	boolean	debug	table
JITSUPPORTED	boolean	dimen	function
LUAMAJORVERSION	number	dir	table
LUAMINORVERSION	number	directives	table
LUATEXENGINE	string	document	table
LUATEXFORMATID	number	documentdata	table
LUATEXFUNCTIONALITY	number	dofile	function
LUATEXVERSION	number	done	boolean
LUAVERSION	number	drivers	table
MP	function	environment	table
aes	table	error	function
arg	table	experiments	table
asnumber_p	function	figures	table
assert	function	file	table
attributes	table	fio	table
backends	table	floats	table
basexx	table	flushsimplerule	function
bit32	table	flushspecialrule	function
blobs	table	font	table
blockrequire	function	fonts	table
boolean	table	functions	table
buffers	table	getmetatable	function
builders	table	getscriptstatus	function
caches	table	global	table
callback	table	graphics	table
callbacks	table	gzip	table
catcodes	table	handledefinitions	function
characters	table	handletransformstring	function
checkimage	function	images	table
chemistry	table	inspect	function
collectgarbage	function	interactions	table
commands	table	interfaces	table
containers	table	io	table
context	function	ipairs	function
converters	table	job	table
copyarray	function	language	table
copydictionary	function	languages	table
coroutine	table	last_pdf	number
createmask	function	layouts	table

lfs	table	pngdecode	table
libraries	table	popleaderlevel	function
lmx	table	print	function
load	function	publications	table
loaders	data table	pushleaderlevel	function
loadfile	function	rawequal	function
loadstring	function	rawget	function
logs	table	rawlen	function
lpdf	table	rawset	function
lpeg	table	recolor	function
lua	table	regimes	table
luac	table	require	function
luatex	table	required	function
lxml	table	resolvers	table
math	table	ruledspace	function
mathematics	table	sandbox	table
mathshapekern	function	scripts	table
md5	table	select	function
metapost	table	set	table
mime	table	setinspector	function
moduledata	table	setmathparameters	function
modules	table	setmetatable	function
mp	function	sha2	table
mplib	table	shipbox_ref_h	number
next	function	shipbox_ref_v	number
noads	table	sio	table
node	table	socket	table
nodes	table	sorters	table
number	table	sparse	table
objects	table	statistics	table
optional	table	status	table
optionalrequire	function	storage	table
os	table	streams	table
p_number_p	userdata	string	table
p_number_u	userdata	structures	table
package	table	table	table
pagebuilders	table	tex	table
pairs	function	texconditionals	data table
parametersets	table	texconfig	table
pcall	function	texconstants	data table
pdf	table	texifs	data table
pdfdecode	table	texio	table
pdfe	table	texisdefined	data table
physics	table	texmodes	data table

texsystems	table	userdata	table
thirddata	table	utf	table
toboolen	function	utf8	table
todecimal	function	utilities	table
token	table	visualizers	table
tokens	table	warn	function
tonumber	function	xcomplex	table
toString	function	xdecimal	table
tracers	table	xmath	table
trackers	table	xml	table
type	function	xpcall	function
typesetters	table	xzip	table
unpack	function	zip	table
updaters	table	zlib	table
url	table		

aes (context)

decode function
encode function

random function

attributes (context)

alternates	table	F forcesupport F formatcolor F formatgray F getpagecolormodel F gray F graytohsv F handler T helpers F complement F inbetween F justone
applyoverloads	function	
checkvalues	function	
colorintents	table	F hsvtogram F hsvtorgb F hwbtorbg F iccprofile F isblack F labtorgb F labtoxyz N main S model D models F mpcolor F mpnamedcolor F mpoptions F namedcolorattributes N none F popset F processcolorcomponents F pushset F register D registered F registerspotcolor F rgb F rgbtocmyk F rgbtogray F rgbohsv F rgboxyz N selector F setlist F setmodel
colors	table	
N attribute		
F cmyk		
F cmyktogram		
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	setpagecolormodel		private	function
D	sets		public	function
F	spec		registervalue	function
F	spot		restore	function
F	spotcolorname		save	function
F	spotcolorparent		setcleaner	function
F	spotcolorvalue		showcurrent	function
B	supported		states	table
F	toattributes			F disabletriggering
F	transparencycomponents			F enabletriggering
B	triggering			F finalize
F	usecolors			F initialize
D	valid			F process
F	value			F selective
D	values			F simple
B	weightgray			F stacked
F	xyztolab			F stacker
F	xyztorgb			
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 colordburn
handlers		table		N colordodge
hasvalues		function		N darken
list		data table		N difference
markasoverload		function		N exclusion
names		data table		N hardlight
negatives		table		N hue
N	attribute			N lighten
D	data			N luminosity
F	enable			N multiply
F	handler			N none
F	register			N normal
D	registered			N overlay
F	set			N saturation
numbers		data table		N screen
ofnode		function		N softlight
				N none

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

backends (context)

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

F registeredsymbol	F attachfile
F registerpagecloseaction	F changestackedlayer
F registerpageopenaction	F cmykcolor
F registerpattern	F comment
F registersymbol	F destination
F ruleactionbox	F effect
F ruleactiondraw	F getboxresourcedimensions
F ruleactionfill	F graycolor
F ruleactionmp	F injectbitmap
F ruleactionstroke	F insertu3d
F saveboxresource	F knockout
F scanimage	F negative
F setattachmentsupport	F overprint
F setencryption	F positive
F setfieldcalculationset	F reference
F setfigurealternative	F rgbcolor
F setfigurecolorspace	F spotcolor
F setfiguremask	F startalternate
F setformat	F startlayer
F setformsmethod	F startstackedlayer
F setpagetransition	F stopalternate
F settaggingsupport	F stoplayer
F setxmpfile	F stopstackedlayer
F startlayer	F transparency
F startunicodetoactualtext	F typesetfield
F startunicodetoactualtextdirect	F useboxresource
F stoplayer	T registrations
F stopunicodetoactualtext	F cmykindexcolor
F stopunicodetoactualtextdirect	F cmykspotcolor
F supportedformats	F getspotcolorreference
F unicodetoactualtext	F grayindexcolor
F useviewerlayer	F grayspotcolor
F validfield	F rgbindexcolor
F validfieldcategory	F rgbspotcolor
F validfieldset	F spotcolorname
F vfstartcolor	F transparency
F vfstopcolor	T tables
F wrapimage	registrations table
S name	setencryption function
T nodeinjections	tables table
F addtags	writeout function
F annotation	

basexx (extra lua)

decode16	function	encode64	function
decode64	function	encode85	function
decode85	function	encodeLZW	function
decodeLZW	function	encodeRL	function
decodeRL	function		
encode16	function		

bit32 (basic lua)

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

lrotate function
lshift function
replace function
rrotate function
rshift function

blobs (context)

append	function	strht	function
dimensions	function	strwd	function
dispose	function	tohpack	function
new	function	tonodes	function
pack	function	tovpack	function
strdp	function	write	function
strhd	function		

boolean (context)

tocontext function
tonumber function

buffers (context)

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

builders (context)

checkparcontext	function	F tag
checksdefloat	function	profiling table
kernel	table	F add F distance F fixedprofile F get F list F pagehandler F profilebox F set
local_box_filter	function	vspacing table
paragraphs	table	D categories F checkstrutdepth F collapsevbox T data D map D skip D snapmethods F definesnapmethod B fixed F forcepageflush F forcestrutdepth F getnofpreviouslines F inject F injectdisable F injectpenalty F injectskip F pagehandler F pageoverflow F popatsame F pushatsame F setmap F setskip F snapbox F synchronizepage F tocATEGORIES F tocATEGORY F vboxhandler
T constructors		
N attribute		
F define		
F disable		
F enable		
F handler		
T methods		
F basic		
F default		
F hpack		
F oneline		
D names		
D numbers		
F set		
F start		
F stop		
T expansion		
F trace		
F keeptogether		
F registertogether		
T solutions		
T splitters		
F define		
F optimize		
T registered		
F reset		
F set		
F split		
F start		
F stop		

caches (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	register	overloaded function
known	function	usage	function
list	function		

callbacks (context)

freeze	function	B kerning
functions	table	B ligaturing
F start_page_number		B linebreak_filter
F stop_page_number		B local_box_filter
known	function	B make_extensible
list	data table	B math_rule
pop	function	B missing_character
push	function	B mlist_to_hlist
register	function	B open_data_file
report	function	B paragraph_context
supported	table	B post_linebreak_filter
B alignment_filter		B pre_dump
B append_line_filter		B pre_linebreak_filter
B append_to_vlist_filter		B pre_output_filter
B begin_paragraph		B process_jobname
B build_page_insert		B register_extensible
B buildpage_filter		B show_error_message
B define_font		B show_lua_call
B find_format_file		B show_warning_message
B find_log_file		B show_whatsit
B get_attribute		B start_file
B glyph_run		B start_run
B handle_overload		B stop_file
B hpack_filter		B stop_run
B hpack_quality		B trace_memory
B hyphenate		B vpack_filter
B insert_par		B vpack_quality
B intercept_lua_error		B wrapup_run
B intercept_tex_error		

catcodes (context)

names	data table	register	function
numbers	data table		

characters (context)

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

containers (context)

cleanname	function	read	function
content	function	usecache	boolean
define	function	write	function
is_usable	function		
is_valid	function		

converters (context)

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

totime	function	D data
uchexnumber	function	F translate
uchexnumbers	function	weekday
upper	function	word
verbose	table	words

coroutine (basic lua)

close	function	status	function
create	function	wrap	function
isyieldable	function	yield	function
resume	function		
running	function		

ctxrunner (context)

load	function	resolve	function
preparedfile	function		
prefiles	data table		

debug (basic lua)

getinfo	function	traceback	function
sethook	function		

dir (context)

collectpattern	function	globpattern	function
current	function	ls	function
expandname	function	makedirs	function
found	function	mkdirs	function
glob	function	pop	function
globdirs	function	push	function
globfiles	function		

directives (context)

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

document (context)

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

documentdata (context)

variable function

drivers (context)

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

T whatsit	T actions
S name	F cleanup
T mpo	F convert
T actions	F finalize
F finalize	F initialize
F initialize	F outputfilename
T flushers	F prepare
F character	F wrapup
F popleaderlevel	T flushers
F pushleaderlevel	F character
F rule	F fontchar
F simplerule	F group
F specialrule	F image
T whatsit	F literal
S name	F popleaderlevel
T mps	F poporientation
T actions	F pushleaderlevel
F cleanup	F pushorientation
F convert	F restore
F finalize	F rule
F initialize	F save
F outputfilename	F setmatrix
F prepare	F setstate
F wrapup	F simplerule
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
T pdf	

environment (context)

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

experiments (context)

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

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
converters	data table	B none
current	function	B trim
defaultdepth	number	F storedata
defaultheight	number	F totable
defaultsearch	boolean	T types
defaultwidth	number	N jbig2
done	function	N jp2
dummy	function	N jpg
existers	data table	N none
exists	function	N pdf
formats	data table	N png
found	data table	N stream
get	function	F wrap
getinfo	function	include function
getpdfinfo	function	includers data table
getrealpage	function	initialize function
guess	function	loaded data table
guessfromstring	function	localpaths data table
hash	function	magics data table
identifiers	data table	mergegoodies function
identify	function	nofmissing number
images	table	nofprocessed number
F check		order data table
F checksize		paths data table
F copy		patterns data table
F create		pop function
F embed		preferquality boolean
F embedfromstore		programs data table
F fetchdata		push function
T keys		registerpattern function
F print		registerresource function
F resetdata		registersuffix function

remappers	data table	setorder	function
resources	data table	setpaths	function
scale	function	suffixes	data table
set	function	used	data table
setlookups	function		

file (basic lua)

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

fio (extra lua)

getposition	function	readinteger2	function
read2dot14	function	readinteger2le	function
readbytes	function	readinteger3	function
readbytetable	function	readinteger3le	function
readcardinal1	function	readinteger4	function
readcardinal1le	function	readinteger4le	function
readcardinal2	function	readintegertable	function
readcardinal2le	function	setposition	function
readcardinal3	function	skipposition	function
readcardinal3le	function	writecardinal1	function
readcardinal4	function	writecardinal1le	function
readcardinal4le	function	writecardinal2	function
readcardinaltable	function	writecardinal2le	function
readcline	function	writecardinal3	function
readcstring	function	writecardinal3le	function
readfixed2	function	writecardinal4	function
readfixed4	function	writecardinal4le	function
readinteger1	function		
readinteger1le	function		

floats (context)

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

font (basic tex)

addcharacters	function	id	function
current	function	max	function
define	function	nextid	function
getfont	function	setfont	function
getfontdimen	function	setfontdimen	function
getfontspec	function		

fonts (context)

analyzers	table	F collectprocessors F currentfonthasfeature D designsizes F enhanceparameters T enhancers T afm F apply F patch T patches F register F report
checkers	table	F missing D mapping F missing F placeholder T afm F apply F patch T patches F register F report
cid	table	F getmap F loadfile T otf F addfeature
collections	table	F checkenabled F clonevector F define T definitions F found F prepare F process F register F registermain F report F reset T vectors F apply F patch T patches F register F report
constructors	table	F addcharacters F addcoreunicodes F aftercopyingcharacters F applyfinalizers F applymanipulators F assignmathparameters F beforecopyingcharacters D cache F calculatescale F checkedfeatures F checkedfilename F register F report N factor T features D afm D otf D tfm F finalize F getfeatureaction F getmathparameter F getprivate

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

D pngcache	F ligature
B pngenabled	F multiple
T readers	F reversechainedcontextsingle
F addunicodetable	F single
F avar	F gvar
F cbdt	F head
F cblc	T helpers
F cff	F axistofactors
F cff2	F cleanname
F cffcheck	F getaxisscale
Tcffencoder	F getfactors
F checkhash	F getscales
F cmap	F gotodatatable
F colr	F normalizedaxis
F compact	T normalizedaxishash
F condense	F readvariationdata
F cpal	F reportskippedtable
F ebdt	F setvariabledata
F eblc	F hhea
F ebsc	F hmtx
F expand	F hvar
F extend	F kern
F fvar	F loadfont
F gdef	F loadshapes
F getcomponents	F loca
F getinfo	F math
F glyf	F maxp
F gpos	F mvar
T gposhandlers	F name
F chainedcontext	F os/2
F context	F pack
F cursive	F parsecharstrings
F extension	F post
F marktobase	F registerextender
F marktoligature	F rehash
F marktomark	F sbix
F pair	F stat
F single	T streamreader
F gsub	F close
T gsubhandlers	F getposition
F alternate	F getsize
F chainedcontext	F look
F context	F open
F extension	F read2dot14

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
F writecardinal1	T vectors
F writecardinal1le	T arab
F writecardinal2	T gpos
F writecardinal2le	N curs
F writecardinal3	N kern
F writecardinal3le	N mark

N mkmk	F normal
T gsub	F virtual
N calt	F initializefeatures
N ccmp	D loadedfonts
N cswh	N noffontsloaded
N dlig	Nnofsharedfonts
N fina	Nnofsharedhashes
N init	Nnofsharedvectors
N isol	Nprivateoffset
N liga	Dprivateslots
N medi	Freadanddefine
N mset	Fregisterfeature
N rclt	Fresetfeature
N rlig	Bresolvevirtualtoo
N version	Fscale
T pfb	Fscaled
F loadvector	Fsetfactor
T tfm	Fsetfeature
D cache	Fsetmathparameter
D features	Fsetname
N maxnestingdepth	Bsharefonts
N maxnestingsize	Ftrytosharefont
T readers	Nversion
F loadpk	current function
F loadtfm	currentid function
F loadtfmvf	definers table
F loadvf	Faddlookup
F pktopdf	Fanalyze
F showpk	Fapplypostprocessors
F reencode	Fcheckedmode
F setfeatures	Fcheckedscript
N version	Sdefaultlookup
T vf	Fdefine
T combinations	Fgetspecification
F combine	Finternal
T combiner	Floadfont
D commands	Fmakespecification
D helpers	Tmethods
D math	Finstall
N version	Dvariants
D whatever	Fread
F hashfeatures	Fregister
F hashinstance	Fregistered
T hashmethods	Fregisterfallbackfont

F registersplit		F opentype
F resetnullfont		F type1
F resolve		F type3
T resolvers		T multiple
F file		F opentype
F name		T substitution
F spec		F opentype
definetypeface	function	goodies
dropins	table	table
F clone		D colorschemes
F getshape		T data
F getshapes		T dejavu-math
F nextid		S author
F provide		S comment
F registerglyph		S copyright
F registerglyphs		B initialized
F swap		T mathematics
F swapone		T alternates
encodings	table	T dotless
T agl		S comment
D ctxcodes		S feature
D extras		N value
D names		T tweaks
D synonyms		T aftercopying
D unicodes		S name
D cache		S version
F is_known		D designsizes
D known		D filenames
F load		F getcompositions
F make_unicode_vector		T list
D math		F load
N version		F prepare_features
enhanceid	function	F register
expansions	data table	F registerpostprocessor
formats	data table	F report
getalternate	function	T suffixes
getindices	function	handlers
getkern	function	table
getmultiple	function	hashes
getsubstitution	function	table
getters	table	D characters
T alternate		D classes
F opentype		D csnames
T kern		D descriptions
		D dynamics
		D emwidths
		D exheights

D extensibles	F getprivatecharornode	
D features	F getprivatenode	
D identifiers	F getprivates	
D italics	F getprivateslot	
D lastmathids	F hasprivate	
D marks	F indextoslot	
D mathparameters	F mathscriptsslots	
D modes	F name	
D originals	F nametoslot	
D parameters	F newprivateslot	
T processes	F prependcommands	
D properties	F prependcommandtable	
D quads	F privateslot	
D resources	F registerglyphbox	
T setdynamics	F scalecommands	
T shapes	F setboxdirectly	
D spaces	F setboxglyph	
D spacings	F setboxglyphs	
T streams	F setdigitwidth	
D unicodes	F setmetaglyph	
D unislots	F setmetaglyphs	
D variants	F splitfontpattern	
D xheights	F tochar	
helpers table		
F addextraprivate	T vfinjectors	
F addprivate	F startcolor	
F appendcommands	F stopcolor	
F appendcommandtable	T vfspecials	
F checkflags	T backgrounds	
F checkmerge	T outlines	
F checksteps		
F collectanchors	infofont function	
F combineglyphs	iterators table	
D commands	F characters	
F composecharacters	F descriptions	
F descriptiontoslot	F glyphs	
F dimenfactor	loggers table	
F expandglyph	F format	
T extraprivates	F onetimemessage	
F fontpatternhassize	F register	
F getcoloredglyphs	F reportdefinedfonts	
F getdigitwidth	F reportusedfeatures	
F getinstancespec	mappings table	
F getparameters	F addtounicode	
	F fromunicode16	
	F getentry	

F loadfile	F bodyfont
F loadline	D data
F makenameparser	F default
D overloads	D defaults
F reset	F definefallbackfamily
F tounicode	F definefontfamily
F tounicode16	F definefontfamilypreset
F tounicode16sequence	D extras
metapost	table
F boundingbox	F fallback
F boxtomp	D fallbacks
F draw	F features
F fill	F filefallback
F glyph	F fontdata
F maxbounds	F fontfallback
F paths	F fontsynonym
F widthline	F goodies
F zeroline	F mathfallback
names	data table
nulldata	data table
privateoffsets	table
B keepnames	D methods
N mathbase	D presets
N mathextrabase	F registerfallback
N textbase	F registerfiles
N textextrabase	F registerfontalternative
protrusions	data table
readers	table
F afm	F registerfontfamily
F check_lua	F textfallback
F check_tfm	F typeface
F lua	F typescript
F ofm	F userdata
F opentype	specifiers
F off	table
F pfb	D contextmerged
D sequence	F contextnumber
F tfm	D contextnumbers
F ttc	D contextsetups
F ttf	F contexttostring
F woff	F definecontext
reserveid	function
select	table
D alternatives	F mergecontext
	F presetcontext
	F registercontext
	F showcontext
	F splitcontext
	D synonyms
	D variants
symbols	table
	T emoji
	F checked

F resolved		S filename
F uselibrary		F ignoredfile
tables	table	F report
tracers	table	F trace
treatments	table	typefaces table
F applyfixes		
D data		

functions (context)

dummy function

graphics (context)

backgrounds table

F fetchmultipar
F pair
F path
F point

bitmaps table

F flush
F new
F placeholder
F tocontext

identifiers table

F bitmap
F jp2
F jpg
F png

identify function

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 (extra lua)

compress	function	save	function
compressed	function	suffix	function
decompress	function		
load	function		

images (context)

check	function	B crop
checkszie	function	B media
copy	function	B none
create	function	B trim
embed	function	storeddata 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	D functions
fields table	D preambles
F clone	F setpreamble
F define	F storecode
F defineset	F storepreamble
F insert	F usepreamblenow
general table	F usescripts
F getidentity	linkedlists data table
F getidentityvariable	pages table
help table	F setpagetransition
F collect	F setupcanvas
F reference	references table
F register	F setclosedocumentaction
javascripts table	F setclosepageaction
F addtopreamble	F setopendocumentaction
F code	F setopenpageaction
D codes	renderings data table
F flushpreambles	

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

job (context)

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

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

language (basic tex)

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

languages (context)

addgoodiesdata	function	F injecthyphens
addgoodiesfile	function	F installmethod
appliedoptions	table	F lasttrace
associate	function	F loadpatterns
associated	data table	F registerexception
association	function	F registerpattern
counters	data table	F setfeatures
current	function	installed function
data	data table	installhandler function
decimals	data table	labels table
define	function	F define
explicithyphen	function	F split
flatten	function	loadable function
frequencies	table	loadwords function
F averagecharwidth		logger table
F getdata		F report
getdata	function	nofflattened function
getnumber	function	numbers data table
goodiefiles	function	postexhyphenchar function
hjcounts	table	posthyphenchar function
hyphenate	function	preehyphenchar 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		serializeddiscretionary 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
F hyphenate		transliteration table

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

layouts (context)

getcanvas	function	F isleftpage
getpagedimensions	function	F leftorrightpageaction
setupcanvas	function	
status	table	

lfs (extra lua)

attributes	overloaded function	link	overloaded function
chdir	overloaded function	mkdir	overloaded function
currentdir	function	mkdirs	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	touch	overloaded function
iswriteabledir	function		
iswriteablefile	function		

libraries (context)

basiclua	data table		
basictex	data table	extratex	data table
builtin	data table	functions	data table
extralua	data table	globals	data table

lmx (context)

color	function	loadedfile	function
convert	function	make	function
convertfile	function	new	function
convertstring	function	overloaderror	function
inject	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	showerror	function
html	table	stripcss	function
F a		tv	function
F td		type	function
F th		urlescape	function
include	function	variable	function
inherited	table	variables	table
S color-background-four		S color-background-blue	
S color-background-one		S color-background-body	
S color-background-three		S color-background-green	
S color-background-two		S color-background-main	
S title		S color-background-purple	
initialize	function	S color-background-yellow	
inject	function	S title-default	
lmxfile	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	setttarget	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	texerrormessage	function
reporter	function	writer	function
resetlogfile	function		

lpdf (context)

action	function	deferredobject	function
adddocumentcolorspace	function	delayedobject	function
adddocumenttextgstate	function	destinationspecification	function
adddocumentpattern	function	dictionary	function
adddocumentshade	function	docstring	function
addtocatalog	function	epdf	table
addtinfo	function	F analyzefonts	
addtonames	function	F contenttotext	
addtopageattributes	function	F expanded	
addtopageresources	function	F getpagecontent	
addtopagesattributes	function	F getstructure	
addxmpinfo	function	T image	
annotationspecification	function	F close	
array	function	F copy	
attachmentsymbols	function	F new	
boolean	function	F open	
border	function	F query	
checkedkey	function	F load	
checkedvalue	function	F objecttype	
circularshade	function	F parsecontent	
cmykcode	function	F plugin	
collectedresources	function	T resolvers	
color	function	F destinations	
colorspace	function	F embeddedfiles	
colorspaceconstants	data table	F javascripts	
colorspec	function	F layers	
colorvalue	function	F pages	
colorvalues	function	F structure	
commentsymbols	function	F widgets	
compresslevel	function	F stripcontent	
constant	function	F unload	
copyarray	function	F verboseobject	
copyboolean	function	escaped	function
copyconstant	function	finalizedocument	function
copydictionary	function	finalizefonts	function
copyfloat	function	finalizepage	function
copyinteger	function	finishtransparencycode	function
copynumber	function	flags	table
copystring	function	T annotations	
copyunicode	function	N AutoView	

N Hidden		flushstreamfileobject	function
N Invisible		flushstreamobject	function
N Locked		fonts	table
N LockedContents		F color_direct	
N NoRotate		F color_indirect	
N NoView		formats	data table
N NoZoom		frombytes	function
N Print		fromeight	function
N Printable		frompdfdoc	function
N ReadOnly		fromsixteen	function
N ToggleNoView		getcatalog	function
N auto		getcompression	function
N hidden		getfontname	function
N printable		getfontobjectnumber	function
T widgets		getinfo	function
N Comb		getmatrix	function
N CommitOnSelChange		getnofpages	function
N DoNotScroll		getpageproperties	function
N DoNotSpellCheck		getpagerefERENCE	function
N Edit		getpagetags	function
N FileSelect		getpos	function
N MultiLine		gettrailerid	function
N NoExport		getversion	function
N NoToggleToOff		getxformname	function
N Password		graycode	function
N PopUp		hasmatrix	function
N PushButton		immediateobject	function
N Radio		includeimage	function
N RadiosInUnison		initialize	function
N ReadOnly		injectors	table
N Required		F bitmap	
N RichText		F jp2	
N Sort		F jpg	
N file		F png	
N fixed		injectxmpinfo	function
N nocheck		insertxmpinfo	function
N protected		lastREFERREDpage	function
N readonly		layerREFERENCE	function
N required		limited	function
N sorted		linearshade	function
N unavailable		literal	function
flushfonts	function	majorversion	function
flushgroup	function	makenametree	function
flushobject	function	minorversion	function

nofpages	function	unicode	function
null	function	usedcharacters	table
number	function	usedfontnames	table
object	function	N dejavusansmonoboldttf-1	
objectcompresslevel	function	usedfontobjects	table
pagerefERENCE	function	N dejavusansmonoboldttf-1	
patternstream	function	usedfontstreams	table
pdfcolor	function	T dejavusansmonoboldttf-1	
pdftimestamp	function	T characters	
print	function	T descriptions	
procset	function	T fonts	
protectresources	boolean	T goodies	
rectangle	function	S original	
reference	function	T parameters	
registerannotation	function	N ascender	
registerdestination	function	N descender	
registerdocumentfinalizer	function	N designsize	
registerfont	function	T expansion	
registerinitializer	function	N shrink	
registerpagefinalizer	function	N step	
registerpattern	function	N stretch	
reserveobject	function	N extendfactor	
rgbcode	function	N extrafactor	
rotationcm	function	N extraspaces	
setcompression	function	N factor	
setencryption	function	N forcedsize	
setincludecidset	function	N hfactor	
setpageorder	function	N mathsize	
setpagetag	function	N maxsize	
setversion	function	N minsize	
sharedobject	function	N mode	
shareobject	function	N quad	
shareobjectreference	function	N scaledpoints	
spotcode	function	N size	
stream	function	N slant	
string	function	N slantfactor	
toeight	function	N space	
topdfdoc	function	N spaceshrink	
tosixteen	function	N spacestretch	
transparency	function	N squeezefactor	
transparencycode	function	N textsize	
transparencygroups	table	N units	
B none		N vfactor	
transparencyvalue	function	N width	

N xheight	T mkmk
T properties	T arab
S filename	B dflt
B finalized	T gsub
S fontname	T anum
S format	T arab
S fullname	B dflt
S hash	B urd
B hasmath	T camelcasing
N id	T *
S language	B *
S mode	T char-ligatures
S name	T *
S psname	B *
S script	T collapse
S sharedwith	T *
N subfont	B *
S writingmode	T compat-ligatures
T resources	T *
T alreadydone	B *
T classes	T dlig
T duplicates	T latn
T features	B dflt
T gpos	B ism
T mark	B ksm
T arab	B lsm
B dflt	B mol
T cyrl	B nsm
B dflt	B rom
B srb	B sks
T grek	B ssm
B dflt	T locl
T lao	T cyrl
B dflt	B srb
T latn	T latn
B dflt	B ism
B ism	B ksm
B ksm	B lsm
B lsm	B nsm
B mol	B sks
B nsm	B ssm
B rom	T lowercasing
B sks	T *
B ssm	B *

T primes	N Ccedilla
T *	N Ccircumflex
B *	N Cdotaccent
T tlig	N Chi
T *	N Circumflex
B *	N D
T trep	N Dcaron
T *	N Dcroat
B *	N Delta
T uppercasing	N Dieresis
T *	N E
B *	N Eacute
S filename	N Ebreve
S foundfilename	N Ecaron
T foundtables	N Ecircumflex
T markclasses	N Edieresis
T marks	N Edotaccent
T marksets	N Egrave
N private	N Emacron
T sequences	N Eng
T sublookups	N Eng.alt
T unicodes	N Egonek
N .null	N Epsilon
N A	N Epsilontonos
N AE	N Eta
N AEacute	N Etatonos
N Aacute	N Eth
N Abreve	N Euro
N Acircumflex	N F
N Acute	N G
N Adieresis	N Gamma
N Agrave	N Gbreve
N Alpha	N Gcaron
N Alphatonos	N Gcircumflex
N Amacron	N Gcommacaccent
N Aogonek	N Gdotaccent
N Aring	N Grave
N Atilde	N H
N B	N Hbar
N Beta	N Hcircumflex
N C	N I
N Cacute	N IJ
N Caron	N Iacute
N Ccaron	N Ibreve

N Icircumflex	N Oslash
N Idieresis	N Oslashacute
N Idotaccent	N Otilde
N Igrave	N P
N Imacron	N Phi
N Iogonek	N Pi
N Iota	N Psi
N Iotadieresis	N Q
N Iotatonos	N R
N Itilde	N Racute
N J	N Rcaron
N Jcircumflex	N Rcommaaccent
N K	N Rho
N Kappa	N S
N Kcommaaccent	N Sacute
N L	N Scaron
N Lacute	N Scedilla
N Lambda	N Scircumflex
N Lcaron	N Scommaaccent
N Lcommaaccent	N Sigma
N Ldot	N T
N Lslash	N Tau
N M	N Tbar
N Mu	N Tcaron
N N	N Tcommaaccent
N Nacute	N Theta
N Ncaron	N Thorn
N Ncommaaccent	N Tilde
N Ntilde	N U
N Nu	N Ugrave
N O	N Uhorn
N OE	N Uhungarumlaut
N Oacute	N Umacron
N Obreve	N Uogonek
N Ocircumflex	N Upsilon
N Odieresis	N Upsilon1
N Ograve	N Upsilondieresis
N Ohorn	N Upsilontonos
N Ohungarumlaut	N Uring
N Omacron	N Utilde
N Omega	N V
N Omegatonos	N W
N Omicron	N Wacute
N Omicrontonos	N Wcircumflex

N Wdieresis	N arrowdbldown
N Wgrave	N arrowdblleft
N X	N arrowdblright
N Xi	N arrowdblup
N Y	N arrowdown
N Yacute	N arrowleft
N Ycircumflex	N arrowright
N Ydieresis	N arrowup
N Ygrave	N arrowupdn
N Z	N arrowupdnse
N Zacute	N asciicircum
N Zcaron	N asciitilde
N Zdotaccent	N asterisk
N Zeta	N asteriskmath
N a	N at
N aacute	N atilde
N abreve	N b
N acircumflex	N backslash
N acute	N bar
N acutecomb	N beta
N adieresis	N block
N ae	N braceleft
N aeacute	N braceright
N agrave	N bracketleft
N alpha	N bracketright
N alaphatonos	N breve
N amacron	N brokenbar
N ampersand	N bullet
N angle	N c
N anoteleia	N cacute
N aogonek	N caron
N approxequal	N carriagereturn
N arabic_2dots	N ccaron
N arabic_2dots_a	N ccedilla
N arabic_3dots	N ccircumflex
N arabic_3dots_a	N cdotaccent
N arabic_4dots	N cedilla
N arabic_dot	N cent
N arabic_gaf_bar	N chi
N arabic_gaf_bar_a	N circle
N arabic_ring	N circlemultiply
N aring	N circleplus
N arrowboth	N circumflex
N arrowdblboth	N club

N colon	N eogonek
N colonmonetary	N epsilon
N comma	N epsilontonos
N congruent	N equal
N copyright	N equivalence
N currency	N estimated
N d	N eta
N dagger	N etatonos
N daggerdbl	N eth
N dcaron	N exclam
N dcroat	N exclamdbl
N degree	N exclamdown
N delta	N existential
N diaeresis.symbols	N f
N diamond	N female
N dieresis	N fi
N dieresistonos	N figuredash
N divide	N filledbox
N dkshade	N filledrect
N dlltcaron	N five
N dnblock	N fiveeighths
N dollar	N fl
N dong	N florin
N dotaccent	N four
N dotbelowcomb	N fractionslash
N dotlessi	N franc
N dotlessj	N g
N dotmath	N gamma
N e	N gbreve
N eacute	N gcaron
N egrave	N gcircumflex
N ecaron	N gcommaccedent
N ecircumflex	N gdotaccent
N edieresis	N germandbls
N edotaccent	N gradient
N egrave	N grave
N eight	N gravecomb
N element	N greater
N ellipsis	N greaterequal
N emacron	N guillemotleft
N emdash	N guillemotright
N emptyset	N guilsinglleft
N endash	N guilsinglright
N eng	N h

N hbar	N lfblock
N hcircumflex	N lira
N heart	N logicaland
N hookabovetilde	N logicalnot
N house	N logicalor
N hungarumlaut	N longs
N hyphen	N lozenge
N i	N lslash
N iacute	N ltshade
N ibreve	N m
N icircumflex	N macron
N idieresis	N male
N igrave	N minus
N ij	N minute
N imacron	N mu
N infinity	N multiply
N integral	N musicalnote
N integralbt	N musicalnotedb1
N integraltp	N n
N intersection	N nacute
N invbullet	N napostrophe
N invcircle	N ncaron
N invsmileface	N ncommaaccent
N iogonek	N nine
N iota	N nonbreakingspace
N iotaadieresis	N nonmarkingreturn
N iotaadieresistonos	N notdef
N iotaitonos	N notelement
N itilde	N notequal
N j	N notsubset
N jcircumflex	N ntilde
N jot	N nu
N k	N numbersign
N kappa	N o
N kcommaaccent	N oacute
N kgreenlandic	N obreve
N l	N ocircumflex
N lacute	N odieresis
N lambda	N oe
N lcaron	N ogonek
N lcommaaccent	N ograve
N ldot	N ohorn
N less	N ohungarumlaut
N lessequal	N omacron

N omega	N quotedblleft
N omega1	N quotedblrigh
N omegatonos	N quotyleft
N omicron	N quotereversed
N omicrontonos	N quoteright
N one	N quotesinglbase
N oneeighth	N quotesingle
N onehalf	N r
N onequarter	N racute
N onesuperior	N radical
N onethird	N rcaron
N openbullet	N rcommaaccent
N ordfeminine	N reflexsubset
N ordmasculine	N reflexsuperset
N orthogonal	N registered
N oslash	N revlogicalnot
N oslashacute	N rho
N otilde	N ring
N p	N rtblock
N paragraph	N s
N parenleft	N sacute
N parenright	N scaron
N partialdiff	N scedilla
N percent	N scircumflex
N period	N scommaaccent
N periodcentered	N second
N perpendicular	N section
N perthousand	N semicolon
N peseta	N seven
N phi	N seveneighths
N phil	N sfthyphen
N pi	N shade
N plus	N sigma
N plusminus	N sigmal
N product	N similar
N propersubset	N six
N propersuperset	N slash
N proportional	N smileface
N psi	N space
N q	N spade
N question	N sterling
N questiondown	N suchthat
N quotedbl	N summation
N quotedblbase	N sun

N t	N utilde
N tau	N v
N tbar	N w
N tcaron	N wacute
N tcommaaccent	N wcircumflex
N therefore	N wdieresis
N theta	N wgrave
N thetal	N x
N thinquestion	N xi
N thorn	N y
N three	N yacute
N threeeighths	N ycircumflex
N threequarters	N ydieresis
N threesuperior	N yen
N tilde	N ygrave
N tildecomb	N z
N tonos	N zacute
N trademark	N zcaron
N triagdn	N zdotaccent
N triaglf	N zero
N triagrt	N zeta
N triagup	S version
N two	T shared
N twosuperior	T dynamics
N twothirds	T features
N u	B analyze
N ugrave	B checkmarks
N uhorn	B devanagari
N uhungarumlaut	B dummies
N umacron	B extensions
N underbar	B extrafeatures
N underbar.small	B extraprivates
N underbar.wide	B features
N underscore	B mathrules
N underscoredbl	S mode
N union	N number
N universal	B spacekern
N uogonek	B visualspace
N upblock	T processes
N upsilon	T rawdata
N upsilonadieresis	S cache_uuid
N upsilonadieresisistonos	N cache_version
N upsilontonos	B compacted
N uring	B condensed

S creator	N maxextent
T descriptions	N minbottomsidebearing
B expanded	N mintopsidebearing
S format	N version
T goodies	S weight
T lookuphash	S width
T metadata	N nofglyphs
N ascender	N private
N averagewidth	T properties
T boundingbox	B hascolor
N defaultvheight	B hasitalics
N descender	B hasspacekerns
S family	N size
S familyname	N tableversion
S fontname	N time
N fstype	T specification
S fullname	S cs
T horizontalmetrics	S detail
N ascender	S fallbacks
N descender	T features
N linegap	T normal
N maxadvanceheight	B features
N maxadvancewidth	S mode
N maxextent	N number
N minbottomsidebearing	S filename
N mintopsidebearing	S forced
N version	S forcedname
N italicangle	B global
B monospaced	S goodies
S panoseweight	S hash
S panosewidth	N id
N pfmweight	S lookup
N pfmwidth	N mathsizer
S subfamily	S method
S subfamilyname	S name
N subfontindex	S resolved
N units	N scalemode
S version	N size
T verticalmetrics	S source
N ascender	S specification
N descender	N textsize
N linegap	T unscaled
N maxadvanceheight	N cache_version
N maxadvancewidth	T changed

T characters	T properties
T descriptions	S filename
T mathparameters	S fontname
T parameters	S format
N ascender	S fullname
N charwidth	B hasmath
N descender	N id
N designsize	S mode
N extraspaces	B monospaced
N italicangle	S name
N maxsize	N private
N minsize	S psname
N quad	B setitalics
N slant	S space
N space	N subfont
N spaceshrink	S writingmode
N spacestretch	usedindices table
N units	T dejavusansmonoboldttf-1
N vheight	verbose function
N xheight	

lpeg (basic lua)

B	function	firstofssplit	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	secondofssplit	function
UP	function	setmaxstack	function
UR	function	setutfcasers	function
US	function	split	function
V	function	splitat	function
afterprefix	function	splitter	function
anywhere	function	stripper	function
append	function	times	function
balancer	function	tsplitat	function
beforesuffix	function	tsplitter	function
checkedsplit	function	type	function
containsws	function	utfchartabletopattern	function
counter	function	utfreplacer	function
endstripper	function	version	function
finder	function		

lua (basic tex)

bytecode	table	macros	table
bytedata	data table	B enabled	
bytedone	table	F loaded	
callbytecode	function	F required	
delay	function	F reset	
finalizeinitex	function	F resolvestring	
firstbytecode	number	F resolving	
flush	function	F showdefinitions	
flushdelayed	function	messages	data table
get_functions_table	function	newindex	function
getbytecode	function	newtable	function
getcurrenttime	function	numbers	data table
getdebuginfo	function	registercode	function
getexitcode	function	registeredcodes	function
getfunctionstable	overloaded function	registerinitexfinalizer	function
getpreciseseconds	function	registername	function
getpreciseticks	function	setbytecode	function
getruntime	function	setexitcode	function
getstacktop	function	startupfile	string
getstartupfile	function	version	string
getversion	function		
lastbytecode	number		

luac (context)

```
inspect  function
print    function
```

luatex (context)

abort	function	F enable
cleanup	function	F finish
cleanuptempfiles	function	F pause
currentfile	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 wrapup
		wrapup function
		F collect
		F disable

lxml (context)

addindex	function	filterlist	function
all	function	first	function
applyfunction	function	flush	function
applyselectors	function	flushlinewise	function
att	function	flushsetups	function
attribute	function	flushspacewise	function
bardinclusions	function	get_id	function
chainattribute	function	getid	function
checkindex	function	getindex	function
collected	function	id	function
command	function	idsplitter	userdata
concat	function	ifatt	function
concatrange	function	ifatempty	function
content	function	include	function
context	function	inclusion	function
convert	function	inclusions	function
count	function	index	function
delete	function	inlineverbatim	function
depth	function	installsetup	function
direct	function	last	function
directives	table	lastatt	function
F after		lastmatch	function
F before		lastpar	function
F handle		load	function
F load		loadbuffer	function
F setup		loaddata	function
displayverbatim	function	loaded	table
doif	function	main	function
doifelse	function	match	function
doifelseempty	function	name	function
doifelsestext	function	namespace	function
doisempty	function	nonspace	function
doifnot	function	par	function
doifnoteempty	function	param	function
doifnottext	function	parameter	function
doiftext	function	path	function
element	function	popmatch	function
elements	function	pos	function
entities	data table	position	function
filter	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	starraw	function
resetcdata	function	startunescape	function
resetsetups	function	stopraw	function
resolvedentity	function	stopunescape	function
root	function	store	function
save	function	strip	function
serialize	function	stripped	function
setaction	function	tag	function
setatt	function	text	function
setattribute	function	tobuffer	function
setcdata	function	tofile	function
setcommandtonone	function	toparameters	function
setcommandtotext	function	toverbatim	function
setpar	function	verbatim	function
setparam	function	withindex	function
setparameter	function	xmltexhandler	data table
setup	function		
snippet	function		

math (basic lua)

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

mathematics (context)

addfallbacks	function	T less
alphabets	data table	T more
alternatives	data table	T zero
big	function	privatebase number
boldmap	data table	registerdomain function
categories	table	registerfallbackid function
D functions		registersimplematrix function
charactersets	data table	remapalphabets function
checkaccentbaseheight	function	renderings table
checkprivateparameters	function	D mappings
classes	data table	D numbers
codes	data table	D sets
collected	function	renderset function
define	function	resetattributes function
dimensions	function	resetitalics function
domains	table	resolvefallbacks function
extensiblecode	function	scaleparameters function
extensibles	data table	setdomain function
extrabase	number	setitalics function
extras	table	sets data table
F add		startcollecting function
F copy		stopcollecting function
fallbacks	table	styles data table
F apply		syncboth function
F install		syncname function
fallbackstyleattr	function	syncstyle function
families	data table	toname function
finishfallbacks	function	tostyle function
gaps	data table	tweakaftercopyingfont function
getboth	function	tweakbeforecopyingfont function
getdomain	function	 tweaks table
getitalics	function	F action
getStyle	function	F addscripts
horizontalcode	function	F checkspacing
initializeparameters	function	F dimensions
makefont	function	F fixprimes
mapremap	data table	F fixradicals
overloadparameters	function	F version
preset	function	utfmathaccent function
presets	table	utfmathclass function

utfmathcommand	function	virtualize	function
utfmathfiller	function	virtualized	data table
utfmathstretch	function		

md5 (extra lua)

HEX	function	sumHEXA function
dec	function	sumhexa function
hex	function	
sum	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 parametertype
N and		N pathjoin
N assignment		N plusorminus
N atleast		N primarybinary
N begingroup		N primarydef
N btex		N property
N capsule		N protection
N colon		N randomseed
N comma		N relax
N controls		N repeatloop
N curl		N rightbrace
N cycle		N rightbracket
N definedmacro		N rightdelimiter
N delimiters		N runscript
N endgroup		N save
N equals		N scantokens
N etex		N secondarybinary
N everyjob		N secondarydef
N exittest		N semicolon
N expandafter		N setbounds
N fiorelse		N shipout
N if		N show
N input		N slash
N interim		N step
N internal		N stop
N iteration		N str
N leftbrace		N string
N leftbracket		N tag
N leftdelimiter		N tension
N let		N tertiarybinary
N macrodef		N tertiarydef
N macrospecial		N thingstoadd
N maketext		N to
N message		N typename
N mode		N unary

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

remaptext	function	svgshapestopdf	function
reporterror	function	svgsplitcolor	function
reportsvgfonts	function	svgtomp	function
reset	function	svgtopdf	function
resetlastlog	function	sxsy	function
resetplugins	function	tex	table
run	function	F get	
runinternal	function	F reset	
runscript	function	F set	
scanparameters	function	F setfrombuffer	
scripterror	function	texerrors	boolean
scriptindex	function	texexp	function
setbendtolerance	function	theclippath	function
setbuffer	function	tographic	function
setextensions	function	totable	function
setlogging	function	types	table
setoutercolor	function	N boolean	
setparameterset	function	N cmykcolor	
setrecord	function	N color	
settext	function	N dependent	
setvariable	function	N independent	
showlog	boolean	N known	
showsvgpage	function	N numeric	
simple	function	N pair	
splitprescript	function	N path	
startgraphic	function	N pen	
startsvghashing	function	N picture	
stopgraphic	function	N protodependent	
stopsvghashing	function	N string	
svformat	function	N structured	
svgcolorremapper	function	N suffixedmacro	
svgfactors	table	N tokenlist	
N %		N transform	
N bp		N unknownboolean	
N cm		N unknownpath	
N em		N unknownpen	
N ex		N unknownpicture	
N in		N unknownstring	
N mm		N unsuffixedmacro	
N pc		N vacuous	
N pt		typesvgpage	function
N px		unload	function
svgglyphtomp	function	untagvariable	function
svgshapestopmp	function	variables	table

mime (extra lua)

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

mp (context)

autoinject	function	formatted	function
aux	function	fprint	function
F boolean		get	table
F color		F hashentry	
F direct		graphformat	function
F draw		inject	function
F fill		F boolean	
F flush		F cmykcolor	
F fprintf		F color	
F integer		F integer	
F number		F number	
F numeric		F numeric	
F pair		F pair	
F pairpoints		F path	
F path		F pt	
F pathpoints		F quadruplet	
F points		F string	
F print		F transform	
F quadruple		F triplet	
F quadrupolepoints		F whatever	
F quoted		F whd	
F size		F xy	
F string		integer	function
F transform		lmt_color_functions	table
F triplet		F shade	
F tripletpoints		F step	
F vprint		lmt_contours_bitmap_get	function
boolean	function	lmt_contours_bitmap_set	function
cleaned	function	lmt_contours_cleanup	function
color	function	lmt_contours_color	function
dataset	function	lmt_contours_edge_get_band	function
datasets	function	lmt_contours_edge_get_cell	function
F load		lmt_contours_edge_paths	function
direct	function	lmt_contours_edge_set	function
draw	function	lmt_contours_edge_set_by_band	function
expandtex	function	lmt_contours_edge_set_by_cell	function
fill	function	lmt_contours_format	function
flatten	function	lmt_contours_function	function
flush	function	lmt_contours_maxmean	function
format	function	lmt_contours_maxz	function

lmt_contours_minmean	function	mf_stop_saving_data	function
lmt_contours_minz	function	mode	function
lmt_contours_nofvalues	function	n	function
lmt_contours_nx	function	number	function
lmt_contours_ny	function	numeric	function
lmt_contours_range	function	pair	function
lmt_contours_shade_paths	function	pairpoints	function
lmt_contours_shade_set	function	path	function
lmt_contours_shape_paths	function	pathpoints	function
lmt_contours_start	function	points	function
lmt_contours_stop	function	print	function
lmt_contours_value	function	F boolean	
lmt_contours_xrange	function	F color	
lmt_contours_yrange	function	F direct	
lmt_function_x	function	F draw	
lmt_mesh_set	function	F fill	
lmt_mesh_update	function	F flush	
lmt_poisson_generate	function	F fprintf	
lmt_surface_do	function	F integer	
lmt_svg_include	function	F number	
mf_blob_add	function	F numeric	
mf_blob_dimensions	function	F pair	
mf_blob_index	function	F pairpoints	
mf_blob_new	function	F path	
mf_blob_raw_content	function	F pathpoints	
mf_blob_raw_dimensions	function	F points	
mf_blob_raw_reset	function	F print	
mf_blob_raw_toutf	function	F quadruple	
mf_blob_raw_wipe	function	F quadrupolepoints	
mf_blob_size	function	F quoted	
mf_blob_width	function	F size	
mf_external_figure	function	F string	
mf_finish_saving_data	function	F transform	
mf_formatted_text	function	F triplet	
mf_get_outline_text	function	F tripletpoints	
mf_graphic_text	function	F vprint	
mf_inject_blob	function	processingmode	function
mf_map_move	function	quadruple	function
mf_map_text	function	quadrupolepoints	function
mf_named_color	function	quoted	function
mf_outline_text	function	report	function
mf_save_data	function	scan	table
mf_script_index	function	F boolean	
mf_start_saving_data	function	F cmykcolor	

F color	T typescanners
F expression	F whatever
F integer	set
F next	size
F number	skip
F numeric	F token
F pair	solve
F path	string
F pen	systemmode
F property	transform
F string	triplet
F symbol	tripletpoints
F token	vprint
T tokenscanners	
F transform	

mplib (extra tex)

execute	function	injecttransform	function
expandtex	function	injectwhatever	function
finder	function	new	overloaded function
finders	table	peninfo	function
F file		propertycodes	table
F mpstemplate		realtimelogging	boolean
finish	function	scanboolean	function
getcallbackstate	function	scancmykcolor	function
getcodes	function	scancolor	function
getcolormodels	function	scanexpression	function
getfields	function	scaninteger	function
gethashentries	function	scannext	function
gethashentry	function	scannumber	function
getobjecttypes	function	scannumeric	function
getstates	function	scanpair	function
getstatistics	function	scanpath	function
getstatus	function	scanpen	function
gettolerance	function	scanproperty	function
gettype	function	scanstring	function
gettypes	function	scansymbol	function
injectboolean	function	scantoken	function
injectcmykcolor	function	scantransform	function
injectcolor	function	settolerance	function
injectinteger	function	showcontext	function
injectnumber	function	skiptoken	function
injectnumeric	function	solvepath	function
injectpair	function	version	function
injectpath	function		
injectstring	function		

noads (context)

handlers	table	
F align		F resize
F alternates		F showtree
F autofences		F tags
F classes		F unscript
F collapse		F unstack
F domains		F variants
F export		process function
F families		processnested function
F fixscripts		processors table
F italics		F mlisttohlist
F kernpairs		T unscript
F makeup		T unstack
F relocate		processouter function
F render		

node (basic tex)

checkdiscretionaries	function	F flush_node
checkdiscretionary	function	F flushlist
copy	function	F flushnode
copy_list	function	F free
copylist	function	F get_attribute
count	function	F get_attributes
current_attributes	function	F getattribute
currentattributes	function	F getattributelist
dimensions	function	F getattributes
direct	table	F getboth
F addmargins		F getbox
F addxoffset		F getcachestate
F addxymargins		F getchar
F addyoffset		F getcharspec
F appendaftertail		F getdata
F checkdiscretionaries		F getdepth
F checkdiscretionary		F getdirection
F collapsing		F getdisc
F copy		F getdiscpart
F copy_list		F getexpansion
F copylist		F getfam
F copyonly		F getfield
F count		F getfont
F current_attributes		F getglue
F currentattributes		F getglyphdata
F dimensions		F getglyphdimensions
F effective_glue		F getheight
F effectiveglue		F getid
F end_of_math		F getindex
F endofmath		F getkern
F exchange		F getkerndimension
F fields		F getlanguage
F find_node		F getleader
F findattribute		F getlist
F findattributerange		F getnext
F findnode		F getnormalizedline
F first_glyph		F getnucleus
F firstglyph		F getoffsetsets
F flattendiscretionaries		F getoptoptions
F flush_list		F getorientation

F getparstate	F is_char
F getpenalty	F is_glyph
F getpost	F is_node
F getpre	F is_valid
F getprev	F is_zero_glue
F getpropertiestable	F ischar
F getproperty	F isglyph
F getreplace	F isnextchar
F getscale	F isnextglyph
F getscales	F isnode
F getscript	F isprevchar
F getshift	F isprevglyph
F getspeciallist	F isvalid
F getstate	F iszero glue
F getsub	F kerning
F getsubpre	F length
F getsubtype	F ligaturing
F getsup	F makeextensible
F getsuppre	F migrate
F getsynctexfields	F mlist_to_hlist
F gettotal	F mlisttohlist
F getusedattributes	F naturalhsize
F getwhd	F naturalwidth
F getwidth	F new
F getwordrange	F newmathglyph
F getxscale	F newtextglyph
F getxyscales	F patchattributes
F getyscale	F prependbeforehead
F has_attribute	F protect_glyph
F has_field	F protect_glyphs
F has_glyph	F protectglyph
F hasattribute	F protectglyphs
F hasdimensions	F protrusionskippable
F hasfield	F rangedimensions
F hasglyph	F remove
F hasglyphoption	F reverse
F hpack	F set_attribute
F hyphenating	F set_attributes
F id	F setattribute
F ignoremathskip	F setattributelist
F insert_after	F setattributes
F insert_before	F setboth
F insertafter	F setbox
F insertbefore	F setchar

F setdata	F show	
F setdepth	F slide	
F setdirection	F softenhyphens	
F setdisc	F start_of_par	
F setdiscpart	F startofpar	
F setexpansion	F subtypes	
F setfam	F tail	
F setfield	F todirect	
F setfont	F tonode	
F setglue	F tostring	
F setglyphdata	F tovaliddirect	
F setheight	F traverse	
F setindex	F traverse_char	
F setkern	F traverse_content	
F setlanguage	F traverse_glyph	
F setleader	F traverse_id	
F setlink	F traverse_list	
F setlist	F traversechar	
F setnext	F traversecontent	
F setnucleus	F traverseglyph	
F setoffsets	F traverseid	
F setoptions	F traverselist	
F setorientation	F type	
F setpenalty	F types	
F setpost	F unprotect_glyph	
F setpre	F unprotect_glyphs	
F setprev	F unprotectglyph	
F setproperty	F unprotectglyphs	
F setreplace	F unset_attribute	
F setscales	F unset_attributes	
F setscript	F unsetattribute	
F setshift	F unsetattributes	
F setspeciallist	F usedlist	
F setsplit	F uses_font	
F setstate	F usesfont	
F setsub	F values	
F setsubpre	F verticalbreak	
F setsubtype	F vpack	
F setsup	F write	
F setsuppre	F xscaled	
F setsynctexfields	F yscaled	
F settotal	effective_glue	function
F setwhd	effectiveglue	function
F setwidth	end_of_math	function

endofmath	function	length	function
family_font	function	ligaturing	function
fields	function	makeextensible	function
findattribute	function	mlist_to_hlist	function
first_glyph	function	mlisttohlist	function
firstglyph	function	new	function
flattendiscretionaries	function	protect_glyph	function
flush_list	function	protect_glyphs	function
flush_node	function	protectglyph	function
flushlist	function	protectglyphs	function
flushnode	function	protrusionskippable	function
free	function	rangedimensions	function
get_attribute	function	remove	function
getattribute	function	set_attribute	function
getcachestate	function	setattrtribute	function
getfield	function	setfield	function
getglue	function	setglue	function
getpropertiestable	function	setProperty	function
getproperty	function	show	function
has_attribute	function	slide	function
has_field	function	subtypes	function
has_glyph	function	tail	function
hasattribute	function	tostring	function
hasfield	function	traverse	function
hasglyph	function	traverse_id	function
hpack	function	traverseid	function
hyphenating	function	type	function
id	function	types	function
insert_after	function	unprotect_glyph	function
insert_before	function	unprotect_glyphs	function
insertafter	function	unprotectglyph	function
insertbefore	function	unprotectglyphs	function
instock	function	unset_attribute	function
inuse	function	unsetattribute	function
is_node	function	usedlist	function
is_zero_glue	function	usesfont	function
isnode	function	values	function
iszeroglue	function	vpack	function
kerning	function	write	function
last_node	function		
lastnode	function		

nodes (context)

accentcodes	data table	discretionarycodes	data table
aligned	function	fencecodes	data table
append	function	fields	function
apply	function	fieldtypes	table
applyvisuals	function	fillcodes	data table
astable	function	fillvalues	data table
attributecodes	data table	firstcharacter	function
basepoints	function	firstcharinbox	function
boundarycodes	data table	firstdirinbox	function
boxes	table	flush	function
F count		flush_list	function
F dimensions		flush_node	function
F direct		flushlist	function
F dispose		flushnode	function
F found		fullhpack	function
F reset		getattr	function
F restore		getattribute	function
F save		getboth	function
F savenode		getbox	function
builders	table	getchar	function
F buildpage_filter		getfield	function
F vpack_filter		getfont	function
concat	function	getid	function
copy	function	getleader	function
copy_list	function	getlist	function
copylist	function	getnext	function
countall	function	getprev	function
current_attributes	function	getproperty	function
currentattributes	function	getsubtype	function
delete	function	gluecodes	data table
destinations	table	glyphcodes	data table
N attribute		handlers	table
T done		F accessibility	
F handler		F adjusters	
T stack		F aligncharacter	
dircodes	data table	F backgrounds	
directioncodes	data table	F backgroundspage	
directionvalues	data table	F backgroundsvbox	
dirvalues	data table	F characters	
disccodes	data table	F checkglyphs	

F checkparcounter		insert_before	function
F cleanupbox		insertafter	function
F cleanuppage		insertbefore	function
F export		insertlistafter	function
F finalizebox		installattributehandler	function
F finalizelist		is_display_math	function
F flatten		is_node	function
F flattenline		isnode	function
F migrate		kerncodes	data table
F protectglyphs		leftmarginwidth	function
F recolor		linefillers	table
F show			F filler
F showhyphenation			F handler
F stripping			F set
F textbackgrounds		lines	table
F unprotectglyphs			T boxed
F visualizehyphenation			F addlinenumbers
F wipe			F register
has_attribute	function		F setup
has_field	function		D data
hasattribute	function		F finalize
hasfield	function		F number
hpack	function	link	function
idsandsubtypes	function	linked	function
idstostring	function	list	function
injections	table	listcodes	data table
		listtoutf	function
		literalvalues	data table
		locate	function
		markcodes	data table
		markers	table
			F get
		mathcodes	data table
		mathvalues	data table
		maxboxwidth	function
		migrations	table
			F setinserts
			F setmarks
		new	function
		noadcodes	data table
		noadoptions	table
			N axis
			N exact
			N left
insert_after	function		

N middle	F dirdimensions	
N no_axis	F effective_glue	
N right	F effectiveglue	
N set	F end_of_math	
N unused_1	F endofmath	
N unused_2	F exchange	
nodecodes	data table	F find_attribute
nopts	function	F findattribute
nuts	table	F findnode
F addmargins	F first_glyph	
F addxoffset	F firstcharacter	
F addxymargins	F firstcharinbox	
F addyoffset	F firstglyph	
F append	F flattendiscretionaries	
F appendaftertail	F flush	
F apply	F flush_list	
F applyvisuals	F flush_node	
F checkdiscretionaries	F flushlist	
F collapsing	F flushnode	
T colors	F free	
F set	F fullhpack	
T components	F get_attribute	
F copynocomponents	F get_synctex_fields	
F copyonlyglyphs	F getattr	
F count	F getattribute	
F flush	F getattributelist	
F get	F getattributes	
F set	F getatTRLIST	
F concat	F getattrs	
F copy	F getboth	
F copy_list	F getbox	
F copy_node	F getboxglue	
F copy_only	F getchar	
F copy_properties	F getcharspec	
F copylist	F getcomponents	
F copynode	F getdata	
F copyonly	F getdepth	
F copyvisual	F getdirection	
F count	F getdisc	
F countall	F getdiscpart	
F current_attr	F getdiscretionary	
F currentattributes	F getexpansion	
F delete	F getfam	
F dimensions	F getfield	

F getfont	F getwidth
F getglue	F getwordrange
F getglyphdata	F getxscale
F getglyphdimensions	F getxyscales
F getheight	F getyscale
F getid	F has_attribute
F getindex	F has_dimensions
F getkern	F has_field
F getkerndimension	F has_glyph
F getlang	F hasattribute
F getlanguage	F hasdimensions
F getleader	F hasfield
F getlist	F hasglyph
F getnext	F hasglyphoption
F getnormalizedline	F hpack
F getnucleus	F hyphenating
F getoffsets	F ignoremathskip
F getoptions	F insert_after
F getorientation	F insert_before
F getparstate	F insertafter
F getpenalty	F insertbefore
F getpost	F insertlistafter
F getpre	F is_display_math
F getprev	F is_node
F getprop	F is_zero_glue
F getreplace	F ischar
F getruledata	F isdone
F getscale	F isglyph
F getscales	F isnextchar
F getscript	F isnextglyph
F getshift	F isnode
F getspeciallist	F isprevchar
F getstate	F isprevglyph
F getsub	F iszero glue
F getsubpre	F kerning
F getsubtype	F length
F getsup	F ligaturing
F getsuppre	F link
F getsurround	F linked
F getsynctexfields	F locate
F gettotal	F migrate
F getusedattributes	F mlist_to_hlist
F getvalue	F mlisttohlist
F getwhd	F naturalhsize

F naturalwidth	F radical
F nestedtracedslide	F rawliteral
F new	F register
F newmathglyph	F restore
F patchattributes	F righthangskip
T pool	F rightmarginkern
F accent	F rightskip
F baselineskip	F rule
F boundary	F save
F boxrule	F savepos
F choice	F setmatrix
F cleanup	F setstate
F delim	F shrink
F delimiter	F startrotation
F direction	F stock
F directliteral	F stretch
F disc	F subbox
F emptyrule	F submlist
F fence	F temp
F fontkern	F usage
F fraction	F userdefined
F glue	T userids
F gluespec	F usernode
F glyph	F userrule
F hlist	F vlist
F imagerule	F wordboundary
F indentskip	F prepend
F italic kern	F prependbeforehead
F kern	F processranges
F latelua	F processwords
F leader	F protect_glyph
F lefthangskip	F protect_glyphs
F leftmarginkern	F protectglyph
F leftskip	F protectglyphs
F lineskip	F protrusionskippable
F literal	F rangedimensions
F mathchar	F rawprop
F mathtextchar	F reference
F negatedglue	F rehpack
F noad	F remove
F originliteral	F repackhlist
F outlinerule	F replace
F pageliteral	F reverse
F penalty	T rules

T ruleactions	F setpenalty
F box	F setpost
F draw	F setpre
F fill	F setprev
F mp	F setprop
F stroke	F setreplace
F userrule	F setruledata
F set_attribute	F setscale
F setattr	F setscales
F setattribute	F setscript
F setattributelist	F setshift
F setattributes	F setspeciallist
F setattrlist	F setsplit
F setattrs	F setstate
F setboth	F setsub
F setbox	F setsubpre
F setboxglue	F setsubtype
F setchar	F setsup
F setcomponents	F setsuppre
F setdata	F setsurround
F setdepth	F setsynctexfields
F setdirection	F setvalue
F setdisc	F setvisual
F setdiscpart	F setvisuals
F setdiscretionary	F setwhd
F setexpansion	F setwidth
F setfam	F show
F setfield	F slide
F setfont	F softenhypens
F setglue	F somepenalty
F setglyphdata	F somespace
F setheight	F splitbox
F setkern	F start_of_par
F setlang	F startofpar
F setlanguage	F striprange
F setleader	F tail
F setlink	F takeattr
F setlist	F takebox
F setnext	F takelist
F setnucleus	F theprop
F setoffsetsets	F tonode
F setoptions	F tonodes
F setorientation	F tonut
F setparproperty	F tosequence

F	tostring	F	unprotectglyphs
F	tracedslide	F	unset_attribute
F	traverse	F	unsetattribute
F	traverse_char	F	unsetattributes
F	traverse_glyph	F	untracedslide
F	traverse_id	F	usedlist
F	traverse_list	F	uses_font
F	traversechar	F	usesfont
F	traversecontent	F	verticalbreak
F	traverseglyph	F	vianodes
F	traverseid	F	vianuts
F	traverselist	F	vpack
T	traversers	F	write
F	alignrecord	F	xscaled
F	boundary	F	yscaled
F	char	packlist	function
F	content	parcodes	data table
F	dir	penaltycodes	data table
F	disc	plugindata	table
F	glue	F	finalizer
F	glyph	F	initializer
F	hlist	S	name
F	list	T	namespace
F	mark	N	attribute
F	next	D	data
F	node	F	enable
F	unset	F	handler
F	vlist	F	register
F	whatsit	D	registered
T	treversers	D	values
F	char	F	processor
F	content	points	function
F	glyph	pool	table
F	list	F	baselineskip
F	node	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	unprotect_glyph	F	literal
F	unprotect_glyphs	F	originliteral
F	unprotectglyph	F	register

F restore		setboth	function
F save		setbox	function
F savepos		setboxtonaturalwd	function
F setmatrix		setchar	function
F stock		setfield	function
F usage		setfont	function
F usernode		setleader	function
F vlist		setlink	function
prepend	function	setlist	function
print	function	setnext	function
processors	table	setprev	function
F alignment_filter		setProperty	function
F append_line_filter		shifts	table
F glyph_run		F handler	
F post_linebreak_filter		F set	
F pre_linebreak_filter		showboxes	function
F trace_glyph_run_a		showlist	function
F trace_glyph_run_b		showsimplelist	function
properties	table	skipcodes	data table
T data		snapshots	table
pts	function	F getsamples	
radicalcodes	data table	F resetsamples	
references	table	F takesample	
N attribute		somepenalty	function
T done		somespace	function
F handler		specialskipcodes	table
T stack		splitbox	function
repack	function	startofpar	function
remove	function	stripdiscretionaries	function
repackhlist	function	stripping	table
replace	function	T glyphs	
report	function	F set	
rightmarginwidth	function	subtypes	data table
rulecodes	data table	tail	function
rules	table	takeattr	function
F handler		takebox	function
F process		tasks	table
F set		F actions	
F userrule		F appendaction	
serialize	function	F disableaction	
serializebox	function	F disablegroup	
set_attribute	function	F enableaction	
setattr	function	F enablegroup	
setattribute	function	F freeze	

F freezegroup		F setproperties	
F new		F start	
F prependaction		T steppers	
F removeaction		F check	
F replaceaction		F codes	
F restart		F features	
F setaction		F font	
F showactions		F glyphs	
F table		F message	
tobasepoints	function	F messages	
tocentimeters	function	Fnofsteps	
tociceros	function	Fregister	
todidots	function	Freset	
todimen	function	Fstart	
toinches	function	Fstop	
tomillimeters	function	Fstop	
tonode	function	Ttransparencies	
tonodes	function	Freset	
tonut	function	Fset	
topicas	function	Fsetlist	
topoints	function	traverse	function
toscaledpoints	function	traverse_id	function
tosequence	function	traverseid	function
tostring	function	typesetters	table
totable	function	Fhbox	
totree	function	Fhpack	
toutf	function	Ftohbox	
tracers	table	Ftohpack	
T colors		Ftonodes	
F reset		Ftovbox	
F set		Ftovpack	
F setlist		Fvpack	
F directions		unset_attribute	function
F fontchar		unsetattribute	function
T frequencies		usedlist	function
F register		vianodes	function
T pool		vianuts	function
T nodes		visualizebox	function
F rule		visualizers	table
T nuts		Fattribute	
F rule		Tattributes	
F resetproperties		Fbox	
F rule		Fhandler	
F setlist		Fmarkfonts	

T modes	N penalty
N depth	N simple
N dir	N simplehbox
N discretionary	N simplevbox
N expansion	N simplevtop
N fontkern	N space
N glue	N strut
N glyph	N user
N hbox	N vbox
N insert	N vtop
N italic	N whatsit
N kern	F register
N line	F setfont
N marginkern	F setlayer
N mark	F setruledglyph
N math	F setvisual
N mathglue	vpack
N mathkern	whatsitcodes
N origin	write
N par	function data table function

number (context)

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

objects (context)

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

optional (context)

curl	table	library	table
F escape		F load	
F fetch		loaded	table
F getversion		lz4	table
F initialize		F compress	
F unescape		F decompresssize	
foreign	table	F framecompress	
F abivalue		F framedecompress	
F getbuffer		F initialize	
F initialize		lzma	table
F load		F compress	
F newbuffer		F decompress	
F totable		F initialize	
F types		lzo	table
ghostscript	table	F compress	
F execute		F decompresssize	
F initialize		F initialize	
graphicsmagick	table	muj	table
F execute		F dofile	
F initialize		F execute	
hb	table	F initialize	
F getshapers		F reset	
F getversion		F setclosefile	
F initialize		F setconsole	
F loadfont		F setfindfile	
F shapestring		F setopenfile	
imagemagick	table	F setreadfile	
F execute		F setseekfile	
F initialize		mysql	table
kpse	table	F close	
F expand_braces		F execute	
F expand_path		F getmessage	
F expand_var		F initialize	
F find_file		F open	
F find_files		postgress	table
F get_file_types		F close	
F initialize		F execute	
F readable_file		F getmessage	
F set_program_name		F initialize	
F var_value		F open	

sqlite	table	F execute
		F initialize
F close		
F execute		
F getmessage		
F initialize		
F open		
zint	table	
		F compress
		F decompress
		F initialize

os (basic lua)

__getenv__	function	remove	overloaded function
__setenv__	function	rename	overloaded function
binsuffix	string	resultof	function
binsuffixes	table	runtime	function
bits	string	selfarg	table
clock	function	selfbase	string
converttime	function	selfbin	string
date	overloaded function	selfcore	string
difftime	function	selfdir	string
enableansi	function	selfname	string
env	data table	selfpath	string
execute	overloaded function	setenv	overloaded function
exit	overloaded function	setexitcode	function
fulltime	function	setlocale	overloaded function
getcodepage	function	sleep	function
getenv	overloaded function	time	function
gettimeofday	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
platform	string		

package (basic lua)

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

pagebuilders (context)

columnsets	table	
F add		F setspan
F block		F setlines
F check		F setproperties
F currentcolumn		F setstart
F define		F setvsize
F finishflush		
F flushareas		injections table
F flushcolumn		F flushafter
F flushrest		F flushbefore
F goto		F save
F noto		
F prepareflush		mixedcolumns table
F put		F cleanup
F registerarea		F finalize
F reset		F getlist
F setarea		F getrest
F setsize		F getsplit
		F setsplit

pdf (basic tex)

immediateobj function

pdfe (extra tex)

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

physics (context)

units table
F registerunit

D tables

pngdecode (extra tex)

applyfilter	function	tocmyk	function
expand	function	tomask	function
interlace	function		
splitmask	function		

publications (context)

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

S year	S keywords
T optional	S number
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 skip
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

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

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

regimes (context)

backmapping	data table	pop	function
cleanup	function	process	function
disable	function	push	function
enable	function	toregime	function
fromregime	function	translate	function
list	function		
mapping	data table		

resolvers (context)

allprefixes	function	findfile	function
appendhash	function	findfiles	function
automount	function	findgivenfile	function
booleanvariable	function	findgivenfiles	function
cacheversion	string	findlib	function
checkedvariable	function	findpath	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	homadir	string
dowithvariable	function	initialized	function
executers	table	installinputfilehandler	function
expandbraces	function	installinputlinehandler	function
expandedpathfromlist	function	jobpath	function
expandedpathlist	function	jobs	table
expandedpathlistfromvariable	function	F currentcomponent	
expandpath	function	F currentenvironment	
expandpathfromvariable	function	F currentproduct	
expansion	function	F currentproject	
extendxmlvariable	function	F justacomponent	
filtered_from_content	function	D processors	
find_file	function	F productcomponent	
find_files	function	F usefile	
findbinfile	function	joinpath	function
findctxfile	function	knownvariables	function
finders	data table	libraries	table

F optionalloaded		registerzipfile	function
F validoptional		relations	data table
load	function	renew	function
loadbinfile	function	renewcache	function
loaders	data table	repath	function
loadlualib	function	reset	function
loadtexfile	function	resetextrapaths	function
loadtime	function	resetresolve	function
locateformat	function	resolve	function
locators	data table	savers	data table
luacnffallback	string	scandata	function
luacnfname	string	scanfiles	function
luacnfspec	string	schemes	table
luacnfstate	string		
macros	table	T cleaners	
		F md5	
		F none	
		F strip	
		F cleanname	
		F fetchstring	
		F fetchtable	
		F install	
		setdynamic	function
		setenv	function
		showpath	function
maxreadlevel	number	simplescanfiles	function
methodhandler	function	splitconfigurationpath	function
openbinfile	function	splitexpansions	function
openers	data table	splitmethod	function
openfile	function	splitpath	function
opentexfile	function	stackpath	function
ownpath	string	starttiming	function
popextrapath	function	stoptiming	function
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
registerfile	function	unresolve	function
registerfilehash	function	updaterelations	function
registerintrees	function	updatescript	function
registermethod	function	uselibrary	function

usertypes	data table	variableofformat	function
usezipfile	function	variableofformatsuffix	function
validatedpath	function	wildcardpattern	function
variable	function		

sandbox (context)

disablelibraries	function	redefine	function
disablerunners	function	register	function
enable	function	registerbinary	function
filehandlerone	function	registerlibrary	function
filehandlertwo	function	registerroot	function
finalizer	function	registerrunner	function
getrunner	function	report	function
initializer	function	setfilename logger	function
iohandler	function	setlogger	function
logcalls	function	setreporter	function
logfiles	function	settrace	function
original	function	validfilename	function
overload	function		
possiblepath	function		

scripts (context)

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

set (context)

contains function
create function
tolist function

tonumber function
totable function

sha2 (extra lua)

HASH256	function	hash384	function
HASH384	function	hash512	function
HASH512	function	hex256	function
HEX256	function	hex384	function
HEX384	function	hex512	function
HEX512	function	sum256	function
digest256	function	sum384	function
digest384	function	sum512	function
digest512	function		
hash256	function		

sio (extra lua)

read2dot14	function	readinteger1le	function
readbytes	function	readinteger2	function
readbytetable	function	readinteger2le	function
readcardinal1	function	readinteger3	function
readcardinal1le	function	readinteger3le	function
readcardinal2	function	readinteger4	function
readcardinal2le	function	readinteger4le	function
readcardinal3	function	readintegertable	function
readcardinal3le	function	tocardinal1	function
readcardinal4	function	tocardinal1le	function
readcardinal4le	function	tocardinal2	function
readcardinaltable	function	tocardinal2le	function
readcline	function	tocardinal3	function
readcstring	function	tocardinal3le	function
readfixed2	function	tocardinal4	function
readfixed4	function	tocardinal4le	function
readinteger1	function		

socket (extra lua)

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

S reply-to	newtry	function
S reporting-mta	protect	function
S resent-bcc	report	function
S resent-cc	select	function
S resent-date	sink	function
S resent-from	sinkt	table
S resent-message-id		F close-when-done
S resent-reply-to		F default
S resent-sender		F http-chunked
S resent-to		F keep-open
S retry-after	skip	function
S return-path	sleep	function
S sender	source	function
S server	source_t	table
S smtp-remote-recipient		F by-length
S status		F default
S subject		F http-chunked
S te		F until-closed
S to	tcp	function
S trailer	tcp4	function
S transfer-encoding	tcp6	function
S upgrade	tp	table
S user-agent		N TIMEOUT
S vary		F connect
S via	try	function
S warning	udp	function
S will-retry-until	udp4	function
S www-authenticate	udp6	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	B uc
comparers	table	B zc
F basic		B zm
constants	table	
S defaultdigits		definitions data table
S defaultlanguage		firstofsplit function
S defaultmethod		packch function
N digitsmaximum		packuc function
N digitsoffset		replacementlist function
N ignoredoffset		setlanguage function
N replacementoffset		sort function
T validmethods		splitters table
B ch		F utf
B mc		strip function
B mm		tracers data table
B pc		update function
B pm		

sparse (context)

concat function
get function
max function
min function
new function
range function

restore function
set function
traverse function
wipe function

statistics (context)

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

status (basic tex)

getbufferstate	function	getmarkstate	function
getcallbackstate	function	getneststate	function
getconstants	function	getnodestate	function
geterrorlinestate	function	getparameterstate	function
geterrorstate	function	getpoolstate	function
getexpandstate	function	getreadstate	function
getextrastate	function	getsavestate	function
getfilestate	function	getparsestate	function
getfontstate	function	getstringstate	function
gethalferrorlinestate	function	gettextstate	function
gethashstate	function	gettokenstate	function
getinputstate	function	getwarningstate	function
getinsertstate	function	iocodes	table
getlanguagestate	function	list	function
getlookupstate	function	resetmessages	function
getluastate	function		

storage (context)

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

streams (context)

collect	function	push	function
disable	function	start	function
enable	function	stop	function
flush	function	synchronize	function
initialize	function		

string (basic lua)

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

utfcharacters	function	utfvaluetable	function
utfcharactertable	function	valid	function
utflength	function	voigt	function
utfpadd	function	voigt_hwhm	function
utfpadding	function	wordsplitter	function
utfvalue	function		
utfvalues	function		

structures (context)

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

F prefixpage	D pushed
F simplify	F pushnesting
F title	F realpage
F touserdata	F reordered
inserts	table
D data	T result
F define	F savedlistnumber
F getdata	F savedlistprefixednumber
F getlocation	F savedlisttitle
F getname	D sectionblocks
F getnumber	F sectionnumber
F setlocation	F size
F setup	F title
D stored	D tobesaved
itemgroups	table
lists	table
F addto	F userdata
F analyze	F uservalue
B autoreorder	marks
D cached	table
D collected	F number
F discard	F title
F enhance	notes
T enhancers	table
F filter	F check_spacing
F formulานumber	F checkpagechange
F getresult	F define
F groupindex	F doifonsamepageasprevious
F hasnumberdata	F get
F haspagedata	F getdeltapage
F hastitledata	F getinternal
F iscached	F getn
D kinds	F getstate
F label	F hascontent
F location	F internal
D names	F internalid
F number	F listindex
D ordered	D numbers
F page	F ordered
F popnesting	F postpone
F prefix	F resetpostponed
F prefixednumber	F restore
F prefixedpage	F save
F process	F setstate
	D states
	F store
	pages
	table
	F allmarked
	F analyze

D collected	F getcurrentmetadata
F fraction	F getcurrentprefixspec
F has_changed	F getinnermethod
F in_body	F getinternalcachedlistreference
F is_odd	F getinternalalistreference
F mark	F getinternalreference
F marked	F getoutermethod
F markedlist	D handlers
N nofpages	F identify
F number	F import
F on_right	F inject
F save	F injectcurrentset
D tobesaved	S innermethod
F toranges	D internals
references	table
F analyze	F load
F checkedfile	F loadpresets
F checkedfileorurl	F mark
F checkedprogram	S outermethod
F checkedrealpage	D pages
F checkedurl	U prefixesplitter
D collected	D productdata
U componentsplitter	T programs
F currentmetadata	T data
F currentorder	F define
D currentset	F get
F define	F realpageofpage
D defined	U referencesplitter
D derived	D referred
F enhance	F referredpage
D executers	F registerfinalizer
F export	F registerinitializer
T files	F registerpage
T data	F reset
F define	D runners
F found	F set
F get	F setandgetattribute
F filter	F setcomponent
F filterdefault	F setinternalreference
D filters	F setlinkmethod
D flaginternals	F setnextinternal
F from	F setnextorder
D functions	F setreferencerealpage
F get	D specials
	F splitcomponent

F splitprefix	F sort
F splitreference	F store
F synchronizepage	D tobesaved
T testrunners	F unique
F inner	F userdata
F special	sections
F special operation	F autodepth
F special operation with arguments	F cct
T testspecials	D collected
F deltapage	F current
F i	F currentblock
F internal	F currentid
F page	F currentlevel
F realpage	F currentsectionindex
F section	F depthnumber
F userpage	F finddata
D tobereferrals	F findnumber
D tobesaved	F fullnumber
D tracedpages	F getcurrentlevel
T urls	F getlevel
T data	F getnumber
F define	F internalreference
F found	D levelmap
F get	D levels
F untex	F matchingtilldepth
D usedinternals	F numberatdepth
D usedviews	F numbers
F valid	F popblock
registers	table
F analyze	F prefixedconverted
D collected	F pushblock
F compare	F register
F define	D registered
F enhance	F reportstructure
F extend	F save
F filter	T sectionblockdata
F filtercollected	T bodypart
F finalize	S bookmark
F findinternal	F set
F flush	F setblock
F get	F setchecker
F prepare	F setentry
F process	F setinitialblock
F setmethod	F setlevel
	F setnumber

F	showstructure	F	marginanchor
F	structuredata	F	margintext
F	title	F	math
D	tobesaved	F	mrow
F	typesetnumber	F	mtable
F	userdata	T	destinationhash
B	verbose	T	extras
sets	table	F	adddestination
F	define	F	addimplicit
F	get	F	addinternal
F	getall	F	addrference
D	setlist	F	combination
specials	table	F	delimitedsymbol
D	collected	F	description
F	retrieve	F	descriptionsymbol
F	store	F	document
D	tobesaved	F	float
synonyms	table	F	formulacontent
F	analyzed	F	image
D	collected	F	item
F	compare	F	itemgroup
F	define	F	link
F	filter	F	listitem
F	finalize	F	mi
F	flush	F	msub
F	isshown	F	msup
F	isused	F	paragraph
F	meaning	F	publication
F	prepare	F	reference
F	process	F	registerlocation
F	register	F	registerpages
F	registershow	F	registerseparator
F	registerused	F	section
F	reset	F	sorting
F	resetall	F	subsentencesymbol
F	resetlist	F	synonym
F	resetshow	F	tablecell
F	resetused	F	tabulate
F	sort	F	tabulatecell
F	synonym	T	finalizers
D	tobesaved	F	descriptions
tags	table	T	fixes
T	backend	F	linenumber
T	checks	T	listdata

T referencehash	F setattributehash
F setattrute	F setcombination
T usedimages	F setconstruct
T image	F setfigure
T usedstyles	F setfloat
T construct	F setformulacontent
T highlight	F sethighlight
F current	F setitem
F elementtag	F setitemgroup
F enabled	F setlist
F exportbox	F setnotation
F finishexport	F setnotationsymbol
F getextradata	F setparagraph
F getid	F setproperty
F getmetadata	F setpublication
F gettablecell	F setregister
F gettabulatecell	F setsorting
F handler	F setsynonym
F initializeexport	F settablecell
D labels	F settabulatecell
F last	F settagdelimitedsymbol
F lastinchain	F settagsubsentencesymbol
F localexport	F setupexport
F locatedtag	F setuserproperties
T patterns	D specifications
U splitter	F start
D properties	F stop
F registerextradata	F strip
F registermetadata	D taglist
F restart	T usewithcare
F setaspect	

table (basic lua)

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

tex (basic tex)

attribute	table	getattribute	function
automigrationcodes	data table	getautomigrationvalues	function
badness	function	getbox	function
box	table	getboxdir	function
boxresources	table	getboxresourcebox	function
F getbox		getboxresourcedimensions	function
F getdimensions		getcatcode	function
F save		getcount	function
F use		getdelcode	function
catcode	table	getdelcodes	function
chardef	function	getdelimitermodevalues	function
codes	table	getdimen	function
conditionals	data table	getdimensionvalue	function
constants	data table	getdiscptionvalues	function
count	table	getdiscstatevalues	function
cprint	function	geterrorvalues	function
ctdcatcodes	number	getflagvalues	function
ctxcatcodes	number	getfontoffamily	function
definefont	function	getfrozenparvalues	function
delcode	table	getglue	function
dimen	table	getglyphdata	function
dimensiondef	function	getglyphoptionvalues	function
directives	data table	getglyphscales	function
discptioncodes	data table	getglyphscript	function
enableprimitives	function	getglyphstate	function
error	function	getgroupvalues	function
expandasvalue	function	gethelptext	function
experiments	data table	gethyphenationvalues	function
extraprimitives	function	getinsertcontent	function
fatalerror	function	getinsertdepth	function
flagcodes	data table	getinsertdistance	function
fontidentifier	function	getinsertheight	function
fontname	function	getinsertlimit	function
forcehmode	function	getinsertmultiplier	function
forcesynctexline	function	getinsertwidth	function
forcesynctextag	function	getintegervalue	function
fprint	function	getinteraction	function
frozenparcodes	data table	getiovalues	function
get	function	getlargestusedmark	function
getappendlinecontextvalues	function	getlccode	function

getlinedir	function	glue	table
getlist	function	glyphoptioncodes	data table
getlocalbox	function	groupcodes	data table
getlocallevel	function	hashtokens	function
getmark	function	hyphenationcodes	data table
getmath	function	ifs	data table
getmathcode	function	inicatcodes	number
getmathcodes	function	integerdef	function
getmathcontrolvalues	function	isattribute	function
getmathdir	function	isbox	function
getmathflattenvalues	function	iscount	overloaded function
getmathoptionvalues	function	isdefined	function
getmathparametervalues	function	isdimen	overloaded function
getmathstylenamevalues	function	isglue	function
getmathstylevalues	function	ismuglue	function
getmathvariantvalues	function	ismuskip	overloaded function
getmode	function	isprintable	function
getmodevalues	function	isskip	overloaded function
getmuglue	function	istoken	function
getmuskip	function	istoks	function
getnest	function	lastnodedtype	function
getnormalizevalues	function	lccode	table
getoutputactive	function	linebreak	function
getpacktypevalues	function	lists	table
getpagecontextvalues	function	luacatcodes	number
getpagestate	function	magicconstants	table
getparbeginvalues	function	N awfulbad	
getparcontextvalues	function	N decentrarium	
getpardir	function	N defaultcatcodetable	
getparmodevalues	function	N defaultdeadcycles	
getparstate	function	N defaulteqnogapstep	
getprimitiveorigins	function	N defaulthangafter	
getregisterindex	function	N defaultoutputbox	
getrunstatevalues	function	N defaultpredisplaygap	
getsfcode	function	N defaultrule	
getshapingpenaltiesvalues	function	N defaultspacefactor	
getskip	function	N defaulttolerance	
getsynctexline	function	N deplorable	
getsynctexmode	function	N ejectpenalty	
getsynctextag	function	N ignoredepth	
gettextcontrolvalues	function	N infinitebad	
gettextdir	function	N infinitepenalty	
gettooks	function	N infinity	
getuccode	function	N largewidthexcess	

N loosecriterium		
N maxbytecodeindex	N texhashprime	
N maxcardinal	N texhashsize	
N maxcategorycode	N two	
N maxcharactercode	N unity	
N maxcharcode	N unusedattributevalue	
N maxdatavalue	N unusedscriptvalue	
N maxdimen	N unusedstatevalue	
N maxfunctionreference	N zero glue	
N maxhalfvalue	mathchardef	function
N maxhalfword	mathcode	table
N maxinteger	mathcontrolcodes	data table
N maxmarkindex	mathflatten codes	data table
N maxmathclasscode	mathoptioncodes	data table
N maxmathfamilyindex	modelevels	table
N maxnewlinecharacter	N horizontal	
N maxnofbytecodes	N math	
N maxnofcatcodetables	N unset	
N maxnoffonts	N vertical	
N maxnoflanguages	modes	data table
N maxnofmarks	mprint	function
N maxnofmathfamilies	muglue	table
N maxnofregisters	muskip	table
N maxquarterword	nest	table
N maxregisterindex	nilcatcodes	number
N maxsizeofword	normalizecodes	data table
N maxspacefactor	notcatcodes	number
N mincardinal	number	function
N mindatavalue	parcontextcodes	data table
N mindimen	poplocal	function
N minhalfword	primitives	function
N mininfinity	print	function
N mininteger	prtcatcodes	number
N minquarterword	pushlocal	function
N minspacefactor	quitlocal	function
N nocatcodetable	quittoks	function
N null	resetparagraph	function
N nullflag	rlnccatcodes	number
N nullfont	romannumeral	function
N onebp	round	function
N presetrulethickness	runlocal	function
N runningrule	runstring	function
N smallstretchability	runtoks	function
N texeqtbsize	saveboxresource	function
	scale	function

scantoks	function	setsynctextag	function
set	function	settextdir	function
setattrive	function	settoks	function
setbox	function	setuccode	function
setboxdir	function	sfcode	table
setcatcode	function	shiftparshape	function
setcount	function	shipout	function
setdelcode	function	showbox	function
setdimen	function	showcontext	function
setdimensionvalue	function	skip	table
setglue	function	snapshotpar	function
setglyphdata	function	sp	function
setglyphscript	function	splitbox	function
setglyphstate	function	sprint	function
setinsertcontent	function	stringtocodebitmap	function
setinsertdistance	function	systemmodes	data table
setinsertlimit	function	takebox	function
setinsertmultiplier	function	texcatcodes	number
setintegervalue	function	textcontrolcodes	data table
setinteraction	function	toks	table
setlccode	function	tonumber	function
setlinedir	function	toscaled	function
setlist	function	tpacatcodes	number
setlocalbox	function	tpbcatcodes	number
setmath	function	tprint	function
setmathcode	function	trackers	data table
setmathdir	function	triggerbuildpage	function
setmuglue	function	txtcatcodes	number
setmuskip	function	type	function
setnest	function	uccode	table
setpardir	function	uprint	function
setrunstate	overloaded function	useboxresource	function
setsfcodes	function	vrbcatcodes	number
setskip	function	write	function
setsynctexline	function		
setsynctemode	function		

texconfig (basic tex)

buffersize	table	N size N step	
errorlinesize	table	N size N step	marksize table
expandsize	table	N size N step	nestsize table
filesize	table	N size N step	nodesize table
firstline	string		parametersize table
fontsize	table	N size N step	poolsizes table
formatname	string		propertysize number
functionsizes	number		savesize table
halferrorlinesize	table	N size N step	shell_escape string
hashsize	table	N size N step	stringsize table
init	overloaded function		tokensize table
inputsize	table	N size N step	
insertsize	table	N size N step	
kpse_init	boolean		
languagesize	table		

texio (basic tex)

<code>closeinput</code>	function	<code>writenl</code>	function
<code>setlogfile</code>	function	<code>writeselector</code>	function
<code>terminal</code>	function	<code>writeselectorlf</code>	function
<code>write</code>	function	<code>writeselectornl</code>	function
<code>write_nl</code>	function		

token (basic tex)

create	function	getdimension	function
expand	function	getexpandable	function
expand_macro	function	getexpansion	function
expandmacro	function	getfields	function
future_expand	function	getflags	function
futureexpand	function	getfrozen	function
get_active	function	getfunctionvalues	function
get_cmdchrcs	function	getid	function
get_cmdname	function	getimmutable	function
get_command	function	getindex	function
get_curname	function	getinstance	function
get_cstoken	function	getinteger	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_dimen	function
get_parameters	function	gobble_integer	function
get_permanent	function	gobbledimen	function
get_primitive	function	gobbleinteger	function
get_protected	function	is_defined	function
get_range	function	is_next_char	function
get_tok	function	is_token	function
get_tolerant	function	isdefined	function
getactive	function	isnextchar	function
getcmdchrcs	function	istoken	function
getcmdname	function	new	function
getcommand	function	peek_next	function
getcommandid	function	peek_next_char	function
getcommandvalues	function	peek_next_expanded	function
getcurname	function	peeknext	function
getcstoken	function	peeknextchar	function

peeknextexpanded	function	scan_value	function
pop_macro	function	scan_word	function
popmacro	function	scanargument	function
push_macro	function	scanbox	function
pushmacro	function	scancardinal	function
put_back	function	scanchar	function
put_next	function	scancmdchr	function
putback	function	scancmdchexpanded	function
putnext	function	scancode	function
save_lua	function	scancsname	function
savelua	function	scandelimited	function
scan_argument	function	scandimen	function
scan_box	function	scandimenargument	function
scan_cardinal	function	scanfloating	function
scan_char	function	scanglue	function
scan_cmdchr	function	scaninteger	function
scan_cmdchr_expanded	function	scanintegerargument	function
scan_code	function	scankey	function
scan_csname	function	scankeyword	function
scan_delimited	function	scankeywordcs	function
scan_dimen	function	scanletters	function
scan_dimen_argument	function	scanluacardinal	function
scan_float	function	scanluainteger	function
scan_glue	function	scanluanumber	function
scan_integer	function	scannext	function
scan_integer_argument	function	scannextchar	function
scan_key	function	scannextexpanded	function
scan_keyword	function	scanreal	function
scan_keyword_cs	function	scanscale	function
scan_letters	function	scanskip	function
scan_luacardinal	function	scanstring	function
scan_luainteger	function	scantoken	function
scan_luanumber	function	scantokencode	function
scan_next	function	scantokenlist	function
scan_next_char	function	scantoks	function
scan_next_expanded	function	scanvalue	function
scan_real	function	scanword	function
scan_scale	function	serialize	function
scan_skip	function	set_char	function
scan_string	function	set_dimension	function
scan_token	function	set_integer	function
scan_token_code	function	set_lua	function
scan_tokenlist	function	set_macro	function
scan_toks	function	setchar	function

setdimension	function	skipnext	function
setinteger	function	skipnextexpanded	function
setlua	function	type	function
setmacro	function	undefine_macro	function
skip_next	function	undefinemacro	function
skip_next_expanded	function		

tokens (context)

accessors	table	
F active		U c_font_compact
F cmd		U color
F cmdchrcs		U colordefalc
F cmdname		U colordefflc
F command		U colordefflt
F csname		U colordefrlt
F expandable		U dofinishreference
F frozen		U dostarttext
F index		U finishjob
F name		U firstofoneargument
F protected		U firstoftwoarguments
F range		U gobbleoneargument
		U goto
astable	function	U iftrue
bits	table	U input
N active		U loadfoundtypescriptfile
N alignment		U resetctxscanner
N beginingroup		U rlap
N character		U secondoftwoarguments
N close		U setfalsevalue
N comment		U setsectionblock
N endgroup		U setupsystem
N endofline		U startcolumns
N escape		U starttabulate
N ignore		U starttitle
N invalid		U startxtitle
N letter		U stopcolumns
N mathshift		U stoptabulate
N open		U stopitle
N other		U stopxtitle
N parameter		U texsetup
N space		U xmlw
N subscript		commands data table
N superscript		compile function
N whitespace		constant function
cache	table	converters table
U NC		S toboolean
U NR		S todimen
U bf		S togline
U buff_finish		S tonumber

S	tostring	F	char
create	function	F	cmdchr
defined	function	F	cmdchexpanded
flags	function	F	code
getinteger	function	F	conditional
getters	table	F	count
F	box	F	csname
F	count	F	csnameunchecked
F	cstoken	F	delimited
F	dimen	F	dimen
F	glue	F	dimenargument
F	macro	F	dimension
F	meaning	F	float
F	skip	F	glue
F	token	F	gluespec
gobble	function	F	gluevalues
isdefined	function	F	hash
istoken	function	F	hbox
new	function	F	integer
pickup	function	F	integerargument
popmacro	function	F	ischar
presets	table	F	key
T 1	argument	F	keyword
T 1	string	F	keywords
T 2	arguments	F	letters
T 2	strings	F	list
T 3	arguments	F	luocardinal
T 3	strings	F	luainteger
T 4	arguments	F	luanumber
T 4	strings	F	lxmid
T 5	strings	F	next
T 6	strings	F	nextchar
T 7	strings	F	nextexpanded
T 8	strings	F	number
pushmacro	function	F	optional
scanners	table	F	peek
F	argument	F	peekchar
F	argumentasis	F	peekexpanded
F	array	F	real
F	boolean	F	scanclose
F	box	F	scanopen
F	bracketed	F	skip
F	bracketedasis	F	skipexpanded
F	cardinal	F	string

F table	N close
F token	F inspect
F tokencode	N open
F tokenlist	F report
F tokens	F scanargument
F toks	F scanargumentasis
F value	F scanarray
F vbox	F scanboolean
F verbatim	F scanbox
F vtop	F scanbracketed
F whd	F scanbracketedasis
F word	F scandinal
setinteger function	F scanclose
setters table	F scancode
F box	F scanconditional
F char	F scancsname
F count	F scancsnameunchecked
F dimen	F scandelimited
F glue	F scandimen
F lua	F scandimenargument
F macro	F scandimension
F skip	F scanglue
shortcuts table	F scangluespec
T bits	F scangluevalues
N active	F scanhash
N alignment	F scanhbox
N begingroup	F scaninteger
N character	F scanintegerargument
N close	F scankeyword
N comment	F scankeywords
N endgroup	F scanletters
N endofline	F scanlist
N escape	T scanners
N ignore	F argument
N invalid	F argumentasis
N letter	F array
N mathshift	F boolean
N open	F box
N other	F bracketed
N parameter	F bracketedasis
N space	F cardinal
N subscript	F char
N superscript	F cmdchr
N whitespace	F cmdchrexpanded

F code	F tokenlist
F conditional	F tokens
F count	F toks
F csname	F value
F csnameunchecked	F vbox
F delimited	F verbatim
F dimen	F vtop
F dimenargument	F whd
F dimension	F word
F float	F scannumber
F glue	F scanopen
F glucspec	F scanoptional
F gluevalues	F scanstring
F hash	F scantable
F hbox	F scantokenlist
F integer	F scantoks
F integerargument	F scanvbox
F ischar	F scanverbatim
F key	F scanvtop
F keyword	F scanword
F keywordcs	F toboolean
F letters	F todimen
F list	T tokens
F luocardinal	T accessors
F luainteger	F active
F luanumber	F cmd
F lxmlid	F cmdchrcs
F next	F cmdname
F nextchar	F command
F nextexpanded	F csname
F number	F expandable
F optional	F frozen
F peek	F index
F peekchar	F name
F peekexpanded	F protected
F real	F range
F scanclose	F astable
F scanopen	T cache
F skip	U NC
F skipexpanded	U NR
F string	U bf
F table	U buff_finish
F token	U c_font_compact
F tokencode	U color

U colordefalc	F box
U colorefflc	F count
U colorefflt	F cstoken
U colordefrlt	F dimen
U dofinishreference	F glue
U dostarttext	F macro
U finishjob	F meaning
U firstofoneargument	F skip
U firstoftwoarguments	F token
U gobbleoneargument	F gobble
U goto	F isdefined
U iftrue	F istoken
U input	F new
U loadfoundtypescriptfile	F pickup
U resetctxscanner	F popmacro
U rlap	T presets
U secondoftwoarguments	F pushmacro
U setfalsevalue	F setinteger
U setsectionblock	T setters
U setupsystem	F box
U startcolumns	F char
U starttabulate	F count
U starttitle	F dimen
U startxtitle	F glue
U stopcolumns	F lua
U stoptabulate	F macro
U stoptitle	F skip
U stopxtitle	T shortcuts
U texsetup	N close
U xmlw	F inspect
D commands	N open
F compile	F report
F constant	F scanargument
T converters	F scanargumentasis
S toboolean	F scanarray
S todimen	F scanboolean
S tog glue	F scanbox
S tonumber	F scanbracketed
S tostring	F scanbracketedasis
F create	F scandinal
F defined	F scanclose
F flags	F scancode
F getinteger	F scanconditional
T getters	F scancsname

F scancsnameunchecked	F scanoptional
F scandelimited	F scanstring
F scandimen	F scantable
F scandimenargument	F scantokenlist
F scandimension	F scantoks
F scanglue	F scanvbox
F scangluespec	F scanverbatim
F scangluevalues	F scanvtop
F scanhash	F scanword
F scanhbox	F toboolean
F scaninteger	F todimen
F scanintegerargument	F tonumber
F scankeyword	F tostring
F scankeywords	D values
F scanletters	F tonumber
F scanlist	F tostring
F scannumber	values data table
F scanopen	

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 T handlers F installhandler F processmath F set F setcolor F setmath F tomode
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 replacenbsp F replacenbspaces
checkers	table	F handler F reset F set
cleaners	table	F handler F set
digits	table	T actions F handler F set
directions	table	F getfences F getglobal F getmethod
firstlines	table	T actions F default F line F word F handler F set
fontkerns	table	F handler
initials	table	T actions F default F addanchortoline F addtoline F calculatedelta F checkline F handler F moveinline F set
injectors	table	F check T list F mark F reset F set F show
italics	table	F enablemath F enabletext F forcevariant F handler F reset

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

updaters (context)

apply function
register function

url (context)

addscheme	function	hasscheme	function
barepath	function	query	function
construct	function	split	function
decode	function	toquery	function
encode	function	unescape	function
escape	function	unescapeget	function
filename	function		
hashed	function		

utf8 (basic lua)

char function
charpattern string
codepoint function
codes function

len function
offset function

utilities (context)

debugger	table	F readintegertable F disable F enable F savestats F showstats F showtraceback	F readsignedbyte F readstring F readtag F setposition F size F skip F skiplong F skipposition F skipshort F writebyte F writecardinal1 F writecardinal1le F writecardinal2 F writecardinal2le F writecardinal3 F writecardinal3le F writecardinal4 F writecardinal4le F writeinteger1 F writeinteger1le F writeinteger2 F writeinteger2le F writeinteger3 F writeinteger3le F writeinteger4 F writeinteger4le F writestring
files	table	F close F getposition F getsize F look F open F read2dot14 F readbyte F readbytes F readbytetable F readcardinal F readcardinal1 F readcardinal1le F readcardinal2 F readcardinal2le F readcardinal3 F readcardinal3le F readcardinal4 F readcardinal4le F readcardinaltable F readchar F readline 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 skip F skiplong F skipposition F skipshort F writebyte F writecardinal1 F writecardinal1le F writecardinal2 F writecardinal2le F writecardinal3 F writecardinal3le F writecardinal4 F writecardinal4le F writeinteger1 F writeinteger1le F writeinteger2 F writeinteger2le F writeinteger3 F writeinteger3le F writeinteger4 F writeinteger4le F writestring
	formatters	table	F formatcolumns F list F stripzeros
	ghostscript	table	F convert F statistics
	graphicmagick	table	F convert F statistics
	graphicsmagick	table	F convert

F statistics		B leftpage
lua	table	B page
B alwaysstripcode		B paper
F checkmemory		B rightpage
F compile		B text
F loadedluacode		F iterator
F loadstring		F keq_to_hash
F loadstripped		F listitem
Nnofstrippedbytes		F make_settings_to_hash_pattern
Nnofstrippedchunks		F mergehashes
F registerfinalizer		F options_to_array
B stripcode		F options_to_hash
T strippedchunks		T patterns
F strippedloadstring		U settings_to_array
T suffixes		U settings_to_hash_a
S lua		U settings_to_hash_b
S luc		U settings_to_hash_c
S lui		U settings_to_hash_d
S luj		U unittotex
S luv		F process_stripped_settings
S tma		F rfc4180splitter
S tmc		F runtime
S tua		F settings_to_array
S tuc		F settings_to_array_obey_fences
packers	table	F settings_to_array_with_repeat
F hashed		F settings_to_hash
F new		F settings_to_hash_colon_too
F pack		F settings_to_hash_strict
F simplehashed		F settings_to_hash_tolerant
F strip		F settings_to_numbers
F unpack		F settings_to_set
N version		F simple_hash_to_string
parsers	table	F splitmethod
F add_settings_to_array		F splitthousands
F arguments_to_table		F stepper
F array_to_string		F stripped_settings_to_array
F csvsplitter		F totime
F getparameters		F unittotex
F groupedsplitat		F unittoxml
F hash_to_string		
T hashes		randomizer table
T settings_to_set		F get
T text,hidden,paper,page,leftpage,rightpage		F getnumber
B hidden		F getrepeatable
		F getrepeatableseed

F getseed		F marked
F newrepeatable		F setinitializer
F popseed		F sparse
F pushseed		streams table
F repeatable		F close
F reuseseed		F getposition
F setseed		F getsize
F setseedi		F getstring
randomizers table		F look
F poisson		F open
sequencers table		F openstring
F appendaction		F read2dot14
F appendgroup		F readbyte
F compile		F readbytes
F disableaction		F readbytetable
F disablegroup		F readcardinal
F enableaction		F readcardinal1
F enablegroup		F readcardinal1le
D functions		F readcardinal2
F localize		F readcardinal2le
F new		F readcardinal3
F nodeprocessor		F readcardinal3le
F prependaction		F readcardinal4
F prepengroup		F readcardinal4le
F removeaction		F readcardinaltable
F replaceaction		F readchar
F setkind		F readcline
F tostring		F readcstring
setters table		F readfixed2
F disable		F readfixed4
F enable		F readinteger
F initialize		F readinteger1
F list		F readinteger1le
F new		F readinteger2
F register		F readinteger2le
F report		F readinteger3
F reset		F readinteger3le
F show		F readinteger4
stacker table		F readinteger4le
F new		F readintegertable
storage table		F readsignedbyte
F allocate		F readstring
F checked		F setposition
F mark		F size

F skip	F removevalue
F skipbytes	F replacevalue
F skiplong	tar table
F skipshort	T archives
F tocardinal1	F closearchive
F tocardinalallle	T files
F tocardinal2	F fetch
F tocardinal2le	F hash
F tocardinal3	F list
F tocardinal3le	F pack
F tocardinal4	F unpack
F tocardinal4le	F openarchive
strings table	T registeredfiles
F collapse	T streams
F collapsecrlf	F fetch
T formatters	F hash
F add	F list
F new	F pack
F newcollector	F unpack
F newrepeater	T strings
F nice	F fetch
T striplinepatterns	F hash
U collapse	F list
U prune	F pack
U prune and collapse	F unpack
U prune and no empty	templates table
U prune and to space	F load
U retain	F replace
U retain and collapse	F replacer
U retain and no empty	F resolve
F striplines	zipfiles table
F striplong	F close
F tabtospace	F found
T tracers	F gunzipfile
tables table	F hash
F accesstable	F list
F definedtable	F open
F definetable	F unzip
F encapsulate	F unzipdir
F insertaftervalue	F zipdir
F insertbeforevalue	
F migratetable	

visualizers (context)

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

xcomplex (extra lua)

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

__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		

xdecimal (extra lua)

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

F min	band	function
F minus	bor	function
F new	bxor	function
F plus	conj	function
F pow	copy	function
F rotate	exp	function
F setprecision	getprecision	function
F shift	ln	function
F sqrt	log	function
F toengstring	max	function
F tonumber	min	function
F tostring	minus	function
F trim	new	function
_le	plus	function
_lt	pow	function
_mod	rotate	function
_mul	setprecision	function
_name	shift	function
_pow	sqrt	function
_shl	toengstring	function
_shr	tonumber	function
_sub	tostring	function
_tostring	trim	function
_unm		
abs		

xmath (extra lua)

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

xml (context)

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

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

index	function	position	function
inheritattributes	function	privatecodes	table
inheritedconvert	function	privatetoken	function
inject	function	process	function
inject_element	function	process_attributes	function
inject_element_after	function	process_elements	function
inject_element_before	function	processattributes	function
injectafter	function	profiled	table
injectbefore	function	pure	function
insert	function	pushmatch	function
insert_element	function	raw	function
insert_element_after	function	registerentity	function
insert_element_before	function	registerns	function
insertafter	function	reindex	function
insertbefore	function	remap_name	function
insertcdata	function	remap_namespace	function
insertcomment	function	remap_tag	function
inspect	function	remapname	function
is_valid	function	remapnamespace	function
kind	function	remaptag	function
last	function	rename	function
lastmatch	function	renamespace	function
load	function	reparsedentitylpeg	userdata
lpath	function	replace	function
lpathcached	function	replace_element	function
lpathcalls	function	resetinjectors	function
lshow	function	resolvens	function
makestandalone	function	root	function
match	function	save	function
name	function	selection	function
newhandlers	function	separate	function
nodesettoString	function	serialize	function
originalload	function	serializetotext	function
package	function	setCDATA	function
parent	function	setcomment	function
parsedentitylpeg	userdata	sethandlersfunction	function
pihandlers	table	setInjectors	function
F injector		setProperty	function
F tex		settings	function
placeholders	table	specialcodes	table
F unknown_any_entity		S "	
F unknown_dec_entity		S #	
F unknown_hex_entity		S \$	
popmatch	function	S %	

s &		texttocdata	function
s '		tocdata	function
s <		toelement	function
s >		tostring	function
s \		totable	function
s {		toxml	function
s		tprint	function
s }		traverse	function
s ~		unespaced	function
specialhandler	table	unescapeentitylpeg	userdata
sprint	function	unprivatized	function
string	function	unspecialized	function
strip	function	wipe	function
strip whitespace	function	withelement	function
stripelement	function	withelements	function
stripleadingspaces	function	wrap	function
table	function	xmlns	table
text	function		
textonly	function		

xzip (extra lua)

adler32 function
compress function
compresssize function
crc32 function

decompress function
decompresssize function

zip (extra lua)

archives	table	registeredfiles table
closearchive	function	
openarchive	function	

zlib (extra lua)

adler32 function
compress function
compresssize function
crc32 function

decompress function
decompresssize function