

MP aes attributes backends basexx bit32 blobs
boolean buffers builders caches callback
callbacks catcodes characters chemistry
commands containers context converters
coroutine ctxrunner debug dir directives
document documentdata drivers environment
experiments figures file fio floats font fonts
functions global graphics gzip images
interactions interfaces io job language
languages layouts lfs libraries lmx loaders
logs lpdf lpeg lua luac luatex lxml math
mathematics md5 metapost mime moduledata
modules mp mplib noads node nodes number
objects optional os package pagebuilders
parametersets pdf pdfdecode pdfe physics
pngdecode publications regimes resolvers
sandbox scripts set sha2 sio socket sorters
sparse statistics status storage streams
string structures table tex texconditionals
texconfig texconstants texifs texio
texisdefined texmodes texsystemmodes thirddata
token tokens tracers trackers typesetters
updaters url userdata utf8 utilities
visualizers xcomplex xdecimal xmath xml xzip
zip zlib

ConTeXt LMTX

global (alias: _G)

CONTEXTLMTXMODE	number	createmask	function
FFISUPPORTED	boolean	ctxrunner	table
JITSUPPORTED	boolean	debug	table
LUAMAJORVERSION	number	dimen	function
LUAMINORVERSION	number	dir	table
LUATEXENGINE	string	directives	table
LUATEXFORMATID	number	document	table
LUATEXFUNCTIONALITY	number	documentdata	table
LUATEXVERSION	number	dofile	function
LUAVERSION	number	done	boolean
MP	function	drivers	table
aes	table	environment	table
arg	table	error	function
asnumber_p	function	experiments	table
assert	function	figures	table
attributes	table	file	table
backends	table	fio	table
basexx	table	floats	table
bit32	table	flushsimplerule	function
blobs	table	flushspecialrule	function
blockrequire	function	font	table
boolean	table	fonts	table
buffers	table	functions	table
builders	table	getmetatable	function
caches	table	getscriptstatus	function
callback	table	global	table
callbacks	table	graphics	table
catcodes	table	gzip	table
characters	table	handledefinitions	function
checkimage	function	handletransformstring	function
chemistry	table	images	table
collectgarbage	function	inspect	function
combine	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
count	number	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
tobool	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 formatcolor F formatgray F getpagecolormodel F gray F graytohsb F handler T helpers F complement F inbetween F justone F hsvtograd F hsvtorgb F hwbtorgb 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 F setpagecolormodel D sets
applyoverloads	function	
checkvalues	function	
colorintents	table	
N attribute D data F enable F handler F register D registered D values		
colors	table	
N attribute F cmyk F cmyktograd F cmyktorgb F colorcomponents D counts B couple F currentmodel F currentnamedmodel D data N default F defineintermediatecolor F definemultitonecolor F defineprocesscolor F defineprocesscolordirect F definesimplegray F definespotcolor F definetransparency F enable F filter N forced F forcedmodel F forcesupport		

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

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

backends (context)

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

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

basexx (extra lua)

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

bit32 (basic lua)

arshift	function	extract	function
band	function	lrotate	function
bnot	function	lshift	function
bor	function	replace	function
btest	function	rrotate	function
bxor	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
checksidefloat	function	profiling table
kernel	table	F add
F collapsing		F distance
F hyphenating		F fixedprofile
F kerning		F get
F ligaturing		F list
F mlisttohlist		F pagehandler
local_box_filter	function	F profilebox
paragraphs	table	F set
T constructors		vspacing table
N attribute		D categories
F define		F checkstrutdepth
F disable		F collapsevbox
F enable		T data
F handler		D map
T methods		D skip
F basic		D snapmethods
F default		F definesnapmethod
F hpack		B fixed
F oneline		F flushcontributions
D names		F forcepageflush
D numbers		F forcestrutdepth
F set		F getnofpreviouslines
F start		F inject
F stop		F injectdisable
T expansion		F injectpenalty
F trace		F injectskip
F keeptogether		F interceptsamepagecontent
F registertogether		F pagehandler
T solutions		F pageoverflow
T splitters		F popatsame
F define		F pushatsame
F optimize		F setmap
T registered		F setskip
F reset		F snapbox
F set		F synchronizepage
F split		F tocATEGORIES
F start		F tocATEGORY
F stop		F vboxhandler

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 packed_vbox_filter
supported	table	B paragraph_context
B	alignment_filter	B post_linebreak_filter
B	append_line_filter	B pre_dump
B	append_to_vlist_filter	B pre_linebreak_filter
B	begin_paragraph	B pre_output_filter
B	build_page_insert	B process_character
B	buildpage_filter	B process_jobname
B	define_font	B register_extensible
B	find_format_file	B show_error_message
B	find_log_file	B show_lua_call
B	get_attribute	B show_warning_message
B	get_math_dictionary	B show_whatsit
B	get_noad_class	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
numbers data table

register function

characters (context)

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

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

chemistry (context)

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

containers (context)

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

converters (context)

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

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

coroutine (basic lua)

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

ctxrunner (context)

load	function	prefiles	data table
preparedfile	function	resolve	function

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

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

environment (context)

argument	function	luofile	function
arguments	data table	luafilechunk	function
basicengines	data table	luatexengine	string
currentrun	number	luatexfunctionality	number
definefilefallback	function	luatexversion	number
definefilesynonym	function	maxnofruns	number
engineflags	data table	oldhome	string
filename	string	originalarguments	data table
filenames	table	outputfilename	string
files	table	ownbin	string
filesynonyms	data table	ownmain	string
forcedruns	number	ownname	string
getargument	function	ownpath	string
homedir	string	prerollrun	boolean
initex	boolean	rawarguments	data table
initexmode	boolean	reconstructcommandline	function
initializearguments	function	relativepath	function
initializefilenames	function	setargument	function
inputfilebarename	string	splitarguments	function
inputfilename	string	suffix	string
inputfilesuffix	string	texfile	function
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
default function
disable function
enable function
list function
name string

register function
report function
reset function
show function
value function
values function

figures (context)

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

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

file (basic lua)

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

fio (extra lua)

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

floats (context)

analysemethod	function	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	getmathspec	function
current	function	id	function
define	function	max	function
getfont	function	nextid	function
getfontdimen	function	setfont	function
getfontspec	function	setfontdimen	function
getmathindex	function		

fonts (context)

analyzers	table	D cache F calculatescale F checkedfeatures F checkedfilename F collectprocessors F currentfonthasfeature D designsizes F useunicodemarks
		D features D initializers D methods F setstate D states B useunicodemarks
callbacks	table	F callback F devirtualize T enhancers T afm
checkers	table	F getmissing D mapping F missing F placeholder F apply F patch T patches F register F report
cid	table	F getmap F loadfile F register F report T otf
collections	table	F checkenabled F clonevector F define T definitions F direct F found F prepare F process F register F registermain F report F reset T vectors F addfeature F apply F enhance F patch T patches F register F report T tfm F tfm F apply F patch T patches F register F report T tfm F apply F patch T patches F register F report T tfm F register F report F register F report N factor T features D afm D otf D tfm F finalize
constructors	table	F addcharacters F addcoreunicodes F aftercopyingcharacters F applyfinalizers F applymanipulators F assignmathparameters F beforecopyingcharacters F beforepassingfonttotex

F getfeatureaction	S defaultnodealternate
F getmathparameter	D features
F getprivate	F featuresinitializer
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_reordered_consnants
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

F pluginprocessor	F chainedcontext
T plugins	F context
T text	F extension
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 cbcl	T helpers
F cff	F axistofactors
F cff2	F cleanname
F cffcheck	F getaxissscale
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 look	F writecardinal2le
F open	F writecardinal3
F read2dot14	F writecardinal3le
F readbyte	F writecardinal4
F readbytes	F writecardinal4le
F readbytetable	F writeinteger1
F readcardinal	F writeinteger1le
F readcardinal1	F writeinteger2
F readcardinal1le	F writeinteger2le
F readcardinal2	F writeinteger3
F readcardinal2le	F writeinteger3le
F readcardinal3	F writeinteger4
F readcardinal3le	F writeinteger4le
F readcardinal4	F writestring
F readcardinal4le	F stripredundant
F readcardinaltable	F svg
F readchar	N tableversion
F readcline	F unifymissing
F readcstring	F unpack
F readfixed2	F vhea
F readfixed4	F vmtx
F readinteger	F vorg
F readinteger1	F vvar
F readinteger1le	F woff2otf
F readinteger2	F registerpalette
F readinteger2le	F registerplugin
F readinteger3	F reorderlookups
F readinteger3le	F scriptandlanguage
F readinteger4	F setdynamics
F readinteger4le	F setfeatures
F readintegertable	T statistics
F readsignedbyte	D usedfeatures
F readstring	D svgcache
F readtag	B svgenabled
F setposition	T tables
F size	D baselines
F skip	D features
F skiplong	D featuretypes
F skipposition	D languages
F skipshort	D scripts
F writebyte	F texthandler
F writecardinal1	T vectors
F writecardinal1le	T arab
F writecardinal2	T gpos

N curs	F hashfeatures
N kern	F hashinstance
N mark	T hashmethods
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 register		getters	table
F registered		T alternate	
F registerfallbackfont		F opentype	
F registersplit		T kern	
F resetnullfont		F opentype	
F resolve		F type1	
T resolvers		F type3	
F file		T multiple	
F name		F opentype	
F spec		T substitution	
definetypeface	function	F opentype	
dropins	table	goodies	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	
effects	table	T dotless	
encodings	table	S comment	
T agl		S feature	
D ctxcodes		N value	
D extras		T bigslots	
D names		T parameters	
D synonyms		N AccentBaseDepth	
D unicodes		N AccentTopShiftUp	
D cache		N DelimiterPercent	
F is_known		N DelimiterShortfall	
D known		N DisplayOperatorMinHeight	
F load		N FlattenedAccentTopShiftUp	
F make_unicode_vector		N FractionRuleThickness	
D math		N NoLimitSubFactor	
N version		N NoLimitSupFactor	
enhanceid	function	N PrimeRaiseComposedPercent	
expansions	data table	N RadicalDegreeBottomRaisePercent	
formats	data table	N RadicalRuleThickness	
getalternate	function	T tweaks	
getindices	function	T aftercopying	
getkern	function	S name	
getmultiple	function	S version	
getsubstitution	function	D designsizes	

D filenames		F appendcommandtable
F getcompositions		F checkflags
T list		F checkmerge
F load		F checksteps
F prepare_features		F collectanchors
F register		F combineglyphs
F registerpostprocessor		D commands
F report		F composecharacters
T suffixes		F descriptiontoslot
handlers	table	F dimenfactor
hashes	table	F expandglyph
D characters		T extraprivates
D classes		F fontpatternhassize
D csnames		F getcoloredglyphs
D descriptions		F getdigitwidth
D dynamics		F getinstancespec
D emwidths		F getparameters
D exheights		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		T sharedprivates
D xheights		N delimited ghost annuity
helpers	table	N delimited ghost check
F addextraprivate		N delimited ghost hat
F addprivate		N delimited ghost tilde
F appendcommands		N delimited left annuity

N delimited right annuity	loggers	table
N delimited right check	F format	
N delimited right hat	F onetimemessage	
N delimited right tilde	F register	
N hat 0x0302	F reportdefinedfonts	
N prime 0x2032 1	F reportusedfeatures	
N prime 0x2032 2	mappings	table
N prime 0x2032 3	F addtounicode	
N prime 0x2033 1	F fromunicode16	
N prime 0x2033 2	F getentry	
N prime 0x2033 3	F loadfile	
N prime 0x2034 1	F loadline	
N prime 0x2034 2	F makenameparser	
N prime 0x2034 3	D overloads	
N prime 0x2035 1	F reset	
N prime 0x2035 2	F tounicode	
N prime 0x2035 3	F tounicode16	
N prime 0x2036 1	F tounicode16sequence	
N prime 0x2036 2	metapost	table
N prime 0x2036 3	F boundingbox	
N prime 0x2037 1	F boxtomp	
N prime 0x2037 2	F draw	
N prime 0x2037 3	F fill	
N prime 0x2057 1	F glyph	
N prime 0x2057 2	F maxbounds	
N prime 0x2057 3	F paths	
N unary minus	F widthline	
N unary minus plus	F zeroline	
N unary plus	names	data table
N unary plus minus	nulldata	data table
N visualspace	privateoffsets	table
F splitfontpattern	B keepnames	
F tochar	N mathbase	
T vfinjectors	N mathextrabase	
F startcolor	N textbase	
F stopcolor	N textextrabase	
T vfspecials	protrusions	data table
T backgrounds	readers	table
T outlines	F afm	
infofont	F check_lua	
iterators	F check_tfm	
F characters	F lua	
F descriptions	F ofm	
F glyphs	F opentype	

F otf	F textfallback
F pfb	F typeface
D sequence	F typescript
F tfm	F userdata
F ttc	specifiers table
F ttf	D contextmerged
F woff	F contextnumber
registersanitizer function	D contextnumbers
reserveid function	D contextsetups
select table	F contexttostring
D alternatives	F definecontext
F bodyfont	F mergecontext
D data	F presetcontext
F default	F registercontext
D defaults	F showcontext
F definefallbackfamily	F splitcontext
F definefontfamily	D synonyms
F definefontfamilypreset	D variants
D extras	symbols table
F fallback	T emoji
D fallbacks	F checked
F features	F resolved
F filefallback	F uselibrary
F fontdata	tables table
F fontfallback	toeffect function
F fontsynonym	tracers table
F goodies	treatments table
F mathfallback	F applyfixes
D methods	D data
D presets	S filename
F registerfallback	F ignoredfile
F registerfiles	F report
F registerfontalternative	F trace
F registerfontfamily	typefaces table

functions (context)

dummy function

graphics (context)

backgrounds table

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

bitmaps table

- F flush
- F new
- F placeholder
- F tocontext

identifiers table

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

identify function

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
compressed function
decompress function

load function
save function
suffix function

images (context)

check	function	B crop
checksize	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		
B bleed		wrap function

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

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

language (basic tex)

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

languages (context)

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

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

layouts (context)

getcanvas function
getpagedimensions function
setupcanvas function

status table
F isleftpage
F leftorrightpageaction

lfs (extra lua)

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

libraries (context)

basiclua data table
basictex data table
builtin data table
extralua data table

extratex data table
functions data table
globals data table

lmx (context)

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

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		lastreferreddpage	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
flushstreamfileobject	function	nofpages	function
flushstreamobject	function	null	function

number	function	usedcharacters	table
object	function	usedfontnames	table
objectcompresslevel	function	N dejavusansmonoboldttf-1	
pagerefERENCE	function	usedfontobjects	table
patternstream	function	N dejavusansmonoboldttf-1	
pdfcolor	function	usedfontstreams	table
pdftimestamp	function	T dejavusansmonoboldttf-1	
print	function	T characters	
procset	function	T descriptions	
protectresources	boolean	T fonts	
rectangle	function	T goodies	
reference	function	S original	
registerannotation	function	T parameters	
registerdestination	function	N ascender	
registerdocumentfinalizer	function	N descender	
registerfont	function	N designsize	
registerinitializer	function	T expansion	
registerpagefinalizer	function	N shrink	
registerpattern	function	N step	
reserveobject	function	N stretch	
rgbcode	function	N extendfactor	
rotationcm	function	N extrafactor	
setcompression	function	N extraspaces	
setencryption	function	N factor	
setincludecidset	function	N forcedsize	
setpageorder	function	N hfactor	
setpagestate	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	
unicode	function	N xheight	

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 mkmk	T primes

T *	N Ccircumflex
B *	N Cdotaccent
T tlig	N Chi
T *	N Circumflex
B *	N D
T trep	N Dcaron
T *	N Dcroft
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 Eogonek
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 Gcommaaccent
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 Ccedilla	N Icircumflex

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 Oslash	N Wdieresis

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 arrowdbldown	N colon

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 dnbsp	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 ebreve	N gcircumflex
N ecaron	N gcommaaccent
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 eogonek	N hbar

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 musicalnotedbl
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 iotadieresis	N nonmarkingreturn
N iotadieresistonos	N notdef
N iota tonos	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 lfblock	N omega

N omega1	N quotedblright
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 rblock
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 sfthypen
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 quotedblleft	N t

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	S indic
N underscoredbl	B mathrules
N union	S mode
N universal	N number
N uogonek	B spacekern
N upblock	B visualspace
N upsilon	T processes
N upsilonadieresis	T rawdata
N upsilonadieresistonos	S cache_uuid
N upsilontonos	N cache_version
N uring	B compacted
N utilde	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	instrchecker	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	lastbytecode	number
bytedata	data table	macros	table
bytedone	table	B enabled	
callbytecode	function	F loaded	
delay	function	F required	
finalizeinitex	function	F reset	
firstbytecode	number	F resolvestring	
flush	function	F resolving	
flushdelayed	function	F showdefinitions	
get_functions_table	function	messages	data table
getbytecode	function	newindex	function
getcurrenttime	function	newtable	function
getdebuginfo	function	numbers	data table
getexitcode	function	registercode	function
getfunctionstable	overloaded function	registeredcodes	function
getpreciseseconds	function	registerinitexfinalizer	function
getpreciseticks	function	registername	function
getruntime	function	setbytecode	function
getstacktop	function	setexitcode	function
getstartupfile	function	startupfile	string
getversion	function	version	string

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 blockfilename		
F collect		
F disable		

lxml (context)

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

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

math (basic lua)

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

mathematics (context)

addfallbacks	function	getboth	function
addvariant	function	getstyle	function
alphabets	data table	horizontalcode	function
alternatives	data table	initializeparameters	function
beforepassingfonttotex	function	makefont	function
big	function	mappremap	data table
boldmap	data table	overloadparameters	function
categories	table	preset	function
D functions		presets	table
charactersets	data table	T less	
checkaccentbaseheight	function	T more	
classes	data table	T zero	
classnames	data table	privatebase	number
codes	data table	registerfallbackid	function
collected	function	registersimplematrix	function
define	function	remapalphabets	function
dictionaries	table	renderings	table
D data		D mappings	
D defaults		D numbers	
D groups		D sets	
F groupset		renderset	function
F groupsetgroup		resetattributes	function
D names		resolvefallbacks	function
F registercharacter		scaleparameters	function
F registergroup		sets	data table
F registergroupset		setsnapping	function
D sets		setvariant	function
D variants		startcollecting	function
dimensions	function	stopcollecting	function
extensiblecode	function	styles	data table
extensibles	data table	syncboth	function
extrabase	number	syncname	function
extras	table	syncstyle	function
F add		toengineclass	function
F copy		toname	function
fallbacks	table	tostyle	function
F apply		tweakaftercopyingfont	function
F install		tweakbeforecopyingfont	function
fallbackstyleattr	function	 tweaks	table
finishfallbacks	function	F accentdimensions	
gaps	data table	F action	

F addactuarian	T subsets
F addarrows	T acenorsuvxz
F addbars	T bhklt
F addequals	T d
F addfourier	T f
F addparts	T gjqy
F addprivates	T i
F addrules	T mw
F addscripts	T p
F checkspacing	F substitute
F copyaccents	F substitutes
F dimensions	F variant
F extendaccents	F variants
F fixaccents	F version
F fixanchors	F wipeanchors
F fixellipses	F wipecues
F fixprimes	F wipeitalics
F fixradicals	F wipevariants
F fixslashes	utfmathaccent function
F kernpairs	utfmathclass function
F kerns	utfmathcommand function
F margins	utfmathfiller function
F message	utfmathstretch function
F replace	virtualize function
F replacements	virtualized data table
F staircase	

md5 (extra lua)

HEX	function	sum	function
dec	function	sumHEXA	function
hex	function	sumhexa	function

metapost (context)

checkformat	function	N nullary
checktracingonline	function	N numeric
cm	function	N of
codes	table	N ofbinary
N addto		N onlyset
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 relax
N comma		N repeatloop
N controls		N rightbrace
N curl		N rightbracket
N cycle		N rightdelimter
N definedmacro		N runscript
N delimiters		N save
N endgroup		N scantokens
N equals		N secondarybinary
N etex		N secondarydef
N everyjob		N semicolon
N exittest		N setbounds
N expandafter		N shipout
N fiorelse		N show
N if		N slash
N input		N step
N interim		N stop
N internal		N str
N iteration		N string
N leftbrace		N tag
N leftbracket		N tension
N leftdelimter		N tertiarybinary
N let		N tertiarydef
N macrodef		N thingstoadd
N macrospecial		N to
N maketext		N typename
N message		N unary
N mode		N undefinedcs
N newinternal		N until

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

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

typesvgpage	function	variables	table
unload	function		
untagvariable	function		

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

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

mplib (extra tex)

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

noads (context)

handlers	table	
F alternates		F showtree
F autofences		F snap
F classes		F spacing
F collapse		F suspicious
F dictionaries		F tags
F export		F unscript
F families		F variants
F fencing		process function
F fixscripts		processnested function
F kernpairs		processors table
F makeup		T dictionaries
F normalize		F mlisttohlist
F numbers		T suspicious
F relocate		T unscript
F render		T unstack
F resize		processouter function

node (basic tex)

checkdiscretionaries	function	F getbottom
checkdiscretionary	function	F getbox
copy	function	F getcachestate
copylist	function	F getchar
count	function	F getchardict
currentattributes	function	F getcharspec
dimensions	function	F getchoice
direct	table	F getclass
F addmargins		F getdata
F addxoffset		F getdegree
F addxymargins		F getdelimiter
F addyoffset		F getdenominator
F appendaftertail		F getdepth
F checkdiscretionaries		F getdirection
F checkdiscretionary		F getdisc
F collapsing		F getdiscpart
F copy		F getexpansion
F copylist		F getfam
F copyonly		F getfield
F count		F getfont
F currentattributes		F getgeometry
F dimensions		F getglue
F effectiveglue		F getglyphdata
F endofmath		F getglyphdimensions
F exchange		F getheight
F fields		F getid
F findattribute		F getindex
F findattributerange		F getinputfields
F findnode		F getkern
F firstglyph		F getkerndimension
F flattendiscretionaries		F getlanguage
F flattenleaders		F getleader
F flushlist		F getleftdelimiter
F flushnode		F getlist
F free		F getnext
F freeze		F getnodes
F getanchors		F getnormalizedline
F getattribute		F getnucleus
F getattributelist		F getnumerator
F getattributes		F getoffsets
F getboth		F getoptions

F getorientation	F isboth
F getparstate	F ischar
F getpenalty	F isdirect
F getpost	F isglyph
F getpre	F isnext
F getprev	F isnextchar
F getprime	F isnextglyph
F getpropertiesstable	F isnode
F getproperty	F isprev
F getreplace	F isprevchar
F getrightdelimiter	F isprevglyph
F getscale	F isspeciallist
F getscales	F isvalid
F getscript	F iszero glue
F getshift	F kerning
F getspeciallist	F lastnode
F getstate	F length
F getsub	F ligaturing
F getsubpre	F makeextensible
F getsubtype	F migrate
F getsup	F mlisttohlist
F getsuppre	F naturalhsize
F gettop	F naturalwidth
F gettotal	F new
F getusedattributes	F newmathglyph
F getwhd	F newtextglyph
F getwidth	F patchattributes
F getwordrange	F prependbeforehead
F getxscale	F protectglyph
F getxyscales	F protectglyphs
F getyscale	F protrusionskipable
F gluetostring	F rangedimensions
F hasattribute	F remove
F hasdimensions	F repack
F hasfield	F reverse
F hasgeometry	F serialized
F hasglyph	F setanchors
F hasglyphoption	F setattribute
F hpack	F setattributelist
F hyphenating	F setattributes
F id	F setboth
F ignoremathskip	F setbottom
F insertafter	F setbox
F insertbefore	F setchar

F setchardict	F setspeciallist
F setchoice	F setsplit
F setclass	F setstate
F setdata	F setsub
F setdegree	F setsubpre
F setdelimiter	F setsubtype
F setdenominator	F setsup
F setdepth	F setsuppre
F setdirection	F settop
F setdisc	F settotal
F setdiscpart	F setwhd
F setexpansion	F setwidth
F setfam	F show
F setfield	F slide
F setfont	F softenhyphens
F setgeometry	F startofpar
F setglue	F subtypes
F setglyphdata	F tail
F setheight	F todirect
F setindex	F tonode
F setinputfields	F tostring
F setkern	F tovaliddirect
F setlanguage	F traverse
F setleader	F traversechar
F setleftdelimter	F traversecontent
F setlink	F traverseglyph
F setlist	F traverseid
F setnext	F traverseleader
F setnucleus	F traverselist
F setnumerator	F type
F setoffsets	F types
F setoptions	F unprotectglyph
F setorientation	F unprotectglyphs
F setpenalty	F unsetattribute
F setpost	F unsetattributes
F setpre	F usedlist
F setprev	F usesfont
F setprime	F values
F setproperty	F verticalbreak
F setreplace	F vpack
F setrightdelimter	F write
F setscales	F xscaled
F setscript	F yscaled
F setshift	effectiveglue
	function

endofmath	function	ligaturing	function
family_font	function	makeextensible	function
fields	function	mlisttohlist	function
findattribute	function	new	function
firstglyph	function	protectglyph	function
flattendiscretionaries	function	protectglyphs	function
flushlist	function	protrusionskippable	function
flushnode	function	rangedimensions	function
free	function	remove	function
getattribute	function	serialized	function
getcachestate	function	setattribute	function
getfield	function	setfield	function
getglue	function	setglue	function
getpropertieshtable	function	setProperty	function
getproperty	function	show	function
gluetostring	function	slide	function
hasattribute	function	subtypes	function
hasfield	function	tail	function
hasglyph	function	tostring	function
hpack	function	traverse	function
hyphenating	function	traverseid	function
id	function	type	function
insertafter	function	types	function
insertbefore	function	unprotectglyph	function
instock	function	unprotectglyphs	function
inuse	function	unsetattribute	function
isnode	function	usedlist	function
iszeroglue	function	usesfont	function
kerning	function	values	function
lastnode	function	vpack	function
length	function	write	function

nodes (context)

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

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

N axis		F dirdimensions
N exact		F effectiveglue
N left		F endofmath
N middle		F exchange
N no_axis		F findattribute
N right		F findnode
N set		F firstcharacter
N unused_1		F firstcharinbox
N unused_2		F firstglyph
nodecodes	data table	F flattendiscretionaries
nopts	function	F flattenleaders
nuts	table	F flush
F addmargins		F flushlist
F addxoffset		F flushnode
F addxymargins		F free
F addyoffset		F freeze
F append		F fullhpack
F appendaftertail		F getanchors
F apply		F getattr
F applyvisuals		F getattribute
F checkdiscretionaries		F getattributelist
F checkslide		F getattributes
F collapsing		F getatrrlist
T colors		F getattrs
F set		F getboth
T components		F getbottom
F copynocomponents		F getbox
F copyonlyglyphs		F getboxglue
F count		F getchar
F flush		F getchardict
F get		F getcharspec
F set		F getchoice
F concat		F getclass
F copy		F getcomponents
F copy_properties		F getdata
F copylist		F getdegree
F copynode		F getdelimiter
F copyonly		F getdenominator
F copyvisual		F getdepth
F count		F getdirection
F countall		F getdisc
F currentattributes		F getdiscpart
F delete		F getdiscretionary
F dimensions		F getexpansion

F getfam	F getsubpre
F getfield	F getsubtype
F getfont	F getsup
F getgeometry	F getsuppre
F getglue	F getsurround
F getglyphdata	F gettop
F getglyphdimensions	F gettotal
F getheight	F getusedattributes
F getid	F getvalue
F getindex	F getwhd
F getinputfields	F getwidth
F getkern	F getwordrange
F getkerndimension	F getxscale
F getlang	F getxyscales
F getlanguage	F getyscale
F getleader	F gluetostring
F getleftdelimitter	F hasattribute
F getlist	F hasdimensions
F getmiddle	F hasfield
F getmiddledelimitter	F hasgeometry
F getnext	F hasglyph
F getnormalizedline	F hasglyphoption
F getnucleus	F hpack
F getnumerator	F hyphenating
F getoffsets	F ignoremathskip
F getoptions	F insertafter
F getorientation	F insertbefore
F getparstate	F insertlistafter
F getpenalty	F is_display_math
F getpost	F isboth
F getpre	F ischar
F getprev	F isdirect
F getprime	F isdone
F getprop	F isglyph
F getreplace	F isnext
F getrightdelimitter	F isnextchar
F getruledata	F isnextglyph
F getscale	F isnode
F getscales	F isnut
F getscript	F isprev
F getshift	F isprevchar
F getspeciallist	F isprevglyph
F getstate	F iszerooglue
F getsub	F kerning

F lastnode	F lineskip
F length	F literal
F ligaturing	F mathchar
F link	F mathtextchar
F linked	F negatedglue
F locate	F noad
F migrate	F originliteral
F mlisttohlist	F outlinerule
F naturalhsize	F pageliteral
F naturalwidth	F penalty
F nestedtracedslide	F radical
F new	F rawliteral
F newmathglyph	F register
F openup	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 strutrule
F emptyrule	F subbox
F fence	F submlist
F fontkern	F temp
F fraction	F usage
F glue	F userdefined
F glucspec	T userids
F glyph	F usernode
F hlist	F userrule
F imagerule	F vlist
F indentskip	F wordboundary
F italic kern	F prepend
F kern	F prependbeforehead
F latelua	F processranges
F leader	F processwords
F lefthangskip	F protectglyph
F leftmarginkern	F protectglyphs
F leftskip	F protrusionskippable

F rangedimensions	F setfam
F rawprop	F setfield
F reference	F setfont
F repack	F setgeometry
F remove	F setglue
F repack	F setglyphdata
F repackhlist	F setheight
F replace	F setinputfields
F reverse	F setkern
T rules	F setlang
T ruleactions	F setlanguage
F box	F setleader
F draw	F setleftdelimter
F fill	F setlink
F mp	F setlist
F stroke	F setmiddledelimter
F userrule	F setnext
F serialized	F setnucleus
F setanchors	F setnumerator
F setattr	F setoffsets
F setattribute	F setoptions
F setattributelist	F setorientation
F setattributes	F setparproperty
F setattrlist	F setpenalty
F setattrs	F setpost
F setboth	F setpre
F setbottom	F setprev
F setbox	F setprime
F setboxglue	F setprop
F setchar	F setreplace
F setchardict	F setrightdelimter
F setchoice	F setruledata
F setclass	F setscale
F setcomponents	F setscales
F setdata	F setscript
F setdegree	F setshift
F setdelimter	F setspeciallist
F setdenominator	F setsplit
F setdepth	F setstate
F setdirection	F setsub
F setdisc	F setsuppre
F setdiscpart	F setsubtype
F setdiscretionary	F setsup
F setexpansion	F setsuppre

F setsurround	F list	
F settop	F mark	
F setvalue	F next	
F setvisual	F node	
F setvisuals	F rule	
F setwhd	F unset	
F setwidth	F vlist	
F show	F whatsit	
F slide	T traversers	
F softenhypens	F char	
F somepenalty	F content	
F somespace	F glyph	
F splitbox	F leader	
F startofpar	F list	
F striprange	F node	
F tail	T typesetters	
F takeattr	F tobbox	
F takebox	F tohpack	
F takelist	F tonodes	
F theprop	F tovbox	
F tonode	F tovpack	
F tonodes	F unprotectglyph	
F tonut	F unprotectglyphs	
F tosequence	F unsetattribute	
F tostring	F unsetattributes	
F tracedslide	F untracedslide	
F traverse	F usedlist	
F traversechar	F usesfont	
F traversecontent	F verticalbreak	
F traverseglyph	F vianodes	
F traverseid	F vianuts	
F traverseleader	F vpack	
F traverselist	F write	
T traversers	F xscaled	
F alignrecord	F yscaled	
F boundary	packlist	function
F char	parcodes	data table
F content	penaltycodes	data table
F dir	plugindata	table
F disc	F finalizer	
F glue	F initializer	
F glyph	S name	
F hlist	T namespace	
F leader	N attribute	

D	data	T	done
F	enable	F	handler
F	handler	T	stack
F	register	repack	function
D	registered	remove	function
D	values	repackhlist	function
F	processor	replace	function
points	function	report	function
pool	table	rightmarginwidth	function
F	baselineskip	rulecodes	data table
F	cleanup	rules	table
F	directliteral	F	handler
F	glyph	F	process
F	hlist	F	set
F	latelua	F	userrule
F	leader	serialize	function
F	lineskip	serializebox	function
F	literal	serialized	function
F	originliteral	setattr	function
F	register	setattribute	function
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	sompenalty	function

somespace	function	totable	function
specialskipcodes	table	totree	function
splitbox	function	touft	function
startofpar	function	tracers	table
stripdiscretionaries	function		T colors
stripping	table		F reset
			F set
			F setlist
subtypes	data table		F directions
tail	function		F fontchar
takeattr	function		T frequencies
takebox	function		F register
tasks	table		T pool
			T nodes
			F rule
			T nuts
			F rule
			F resetproperties
			F rule
			F setlist
			F setproperties
			F start
			T steppers
			F check
			F codes
			F features
			F font
			F glyphs
			F message
tobasepoints	function		F messages
tocentimeters	function		Fnofsteps
tociceros	function		F register
todidots	function		F reset
todimen	function		F start
toinches	function		F stop
tomillimeters	function		F stop
tonode	function		T transparencies
tonodes	function		F reset
tonut	function		F set
topicas	function		F setlist
topoints	function	traverse	function
toscaledpoints	function	traverseid	function
tosequence	function	typesetters	table
toString	function		F hbox

F	hpack	N italic
F	tohbox	N kern
F	tohpack	N line
F	tonodes	N marginkern
F	tovbox	N mark
F	topack	N math
F	vpack	N mathglue
unsetattribute	function	N mathkern
usedlist	function	N origin
vianodes	function	N par
vianuts	function	N penalty
visualizebox	function	N simple
visualizers	table	N simplehbox
F	attribute	N simplevbox
T	attributes	N simplevtop
F	box	N space
F	handler	N strut
F	markfonts	N user
T	modes	N vbox
N	boundary	N vtop
N	depth	N whatsit
N	dir	F register
N	discretionary	F setfont
N	expansion	F setlayer
N	fontkern	F setruledglyph
N	glue	F setvisual
N	glyph	vpack function
N	hbox	whatsitcodes data table
N	insert	write function

number (context)

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

objects (context)

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

optional (context)

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

F execute		F initialize
F getmessage		zstd
F initialize		table
F open		F compress
zint	table	F decompress
F execute		F initialize

os (basic lua)

__getenv__	function	remove	overloaded function
__setenv__	function	rename	overloaded function
binsuffix	string	resultof	function
binsuffixes	table	runtime	function
bits	number	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	loadlib	function
cpath	string	luapaths	function
extralibpath	function	path	string
extralibpaths	function	poplibpath	function
extraluapath	function	popluapath	function
extraluapaths	function	preload	table
helpers	table	pushlibpath	function
libpaths	function	pushluapath	function
loaded	table	searchers	table
loaders	table	searchpath	function

pagebuilders (context)

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

pdf (basic tex)

immediateobj function

pdfe (extra tex)

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

physics (context)

units table
F registerunit

D tables

pngdecode (extra tex)

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

publications (context)

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

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

F load		F json
F save		F lua
lastofrange	function	F refman
lists	table	F registercleaner
F collectentries		F xml
F combiniinlist		loadreplacementfile function
F fetchentries		new function
F filterall		okay function
F flushcombi		oneorrange 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		T dataset
listvariants	table	T sequence
F default		T key
F index		T sequence
F num		specifications table
F short		T default
F tag		S author
load	function	S comment
loadbibdata	function	S copyright
loaddefinitionfile	function	S name
loaders	table	S version
F bbl		D virtual
F bib		splitauthor function
F buffer		splitoneauthor function
F endnote		statistics table

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

regimes (context)

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

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

resolvers (context)

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

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
registerzipfile	function	usertypes	data table
relations	data table	usezipfile	function

validatedpath	function	variableofformatsuffix	function
variable	function	wildcardpattern	function
variableofformat	function		

sandbox (context)

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

scripts (context)

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

set (context)

contains function
create function
tolist function

tonumber function
totable function

sha2 (extra lua)

HASH256	function	hash256	function
HASH384	function	hash384	function
HASH512	function	hash512	function
HEX256	function	hex256	function
HEX384	function	hex384	function
HEX512	function	hex512	function
digest256	function	sum256	function
digest384	function	sum384	function
digest512	function	sum512	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-md5
_DATAGRAMSIZE	number	S content-range
_SETSIZE	number	S content-transfer-encoding
_SOCKETINVALID	number	S content-type
bind	function	S cookie
choose	function	S date
connect	function	S diagnostic-code
connect4	function	S dsn-gateway
connect6	function	S etag
dns	table	S expect
	F getaddrinfo	S expires
	F gethostname	S final-log-id
	F getnameinfo	S final-recipient
	F tohostname	S from
	F toip	S host
gettime	function	S if-match
headers	table	S if-modified-since
	T canonic	S if-none-match
	S accept	S if-range
	S accept-charset	S if-unmodified-since
	S accept-encoding	S in-reply-to
	S accept-language	S keywords
	S accept-ranges	S last-attempt-date
	S action	S last-modified
	S age	S location
	S allow	S max-forwards
	S alternate-recipient	S message-id
	S arrival-date	S mime-version
	S authorization	S original-envelope-id
	S bcc	S original-recipient
	S cache-control	S pragma
	S cc	S proxy-authenticate
	S comments	S proxy-authorization
	S connection	S range
	S content-description	S received
	S content-disposition	S received-from-mta
	S content-encoding	S references
	S content-id	S referer
	S content-language	S remote-mta
	S content-length	S reply-to
	S content-location	S reporting-mta

S resent-bcc	
S resent-cc	
S resent-date	
S resent-from	
S resent-message-id	
S resent-reply-to	
S resent-sender	
S resent-to	
S retry-after	
S return-path	
S sender	
S server	
S smtp-remote-recipient	
S status	
S subject	
S te	
S to	
S trailer	
S transfer-encoding	
S upgrade	
S user-agent	
S vary	
S via	
S warning	
S will-retry-until	
S www-authenticate	
S x-mailer	
F lower	
F normalize	
http	table
N TIMEOUT	
S USERAGENT	
F genericform	
F open	
F request	
newtry	function
protect	function
report	function
select	function
sink	function
sinkt	table
	F close-when-done
	F default
	F http-chunked
	F keep-open
skip	function
sleep	function
source	function
sourcet	table
	F by-length
	F default
	F http-chunked
	F until-closed
tcp	function
tcp4	function
tcp6	function
tp	table
	N TIMEOUT
	F connect
try	function
udp	function
udp4	function
udp6	function
url	table
	F absolute
	F build
	F build_path
	F escape
	F parse
	F parse_path
	F unescape

sorters (context)

basicsorter	function	B pm
comparers	table	B uc
F basic		B zc
constants	table	B zm
S defaultdigits		definitions data table
S defaultlanguage		firstofsplit function
S defaultmethod		packch function
N 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

sparse (context)

concat	function	range	function
get	function	restore	function
max	function	set	function
min	function	traverse	function
new	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	getsparsestate	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	noftables	number
data	table	register	function
mark	function	shared	data table
marked	function	storedfunctions	data table
max	number	strip	boolean
min	number	tofmodules	number
nofmodules	number	toftables	number

streams (context)

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

string (basic lua)

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

utflength	function	utfvalueable	function
utfpadd	function	valid	function
utfpadding	function	voigt	function
utfvalue	function	voigt_hwhm	function
utfvalues	function	wordsplitter	function

structures (context)

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

F title		F rawnumber
F touserdata		F realpage
inserts	table	F reordered
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	F userdata
lists	table	F uservalue
F addto		marks table
F analyze		F number
B autoreorder		F title
D cached		notes table
D collected		F check_spacing
F discard		F checkpagechange
F enhance		F define
T enhancers		F doifonsamepageasprevious
F filter		F get
F formulanumber		F getdeltapage
F getresult		F getinternal
F groupindex		F getn
F hasnumberdata		F getstate
F haspagedata		F hascontent
F hastitledata		F internal
F iscached		F internalid
D kinds		F listindex
F label		D numbers
F location		F ordered
D names		F postpone
F number		F resetpostponed
D ordered		F restore
F page		F save
F popnesting		F setstate
F prefix		D states
F prefixednumber		F store
F prefixedpage		pages table
F process		F allmarked
D pushed		F analyze
F pushnesting		D collected

F fraction	F getcurrentprefixspec
F in_body	F getinnermethod
F is_odd	F getinternalcachedlistreference
F mark	F getinternalalistreference
F marked	F getinternalreference
F markedlist	F getoutermethod
N numpages	D handlers
F number	F identify
F on_right	F import
F save	F inject
D tobesaved	F injectcurrentset
F toranges	S innermethod
references	table
F analyze	D internals
F checked	F load
F checkedfile	F loadpresets
F checkedfileorurl	F mark
F checkedprogram	S outermethod
F checkedrealpage	D pages
F checkedurl	U prefixsplitter
D collected	D productdata
U componentsplitter	T programs
F currentmetadata	T data
F currentorder	F define
D currentset	F get
F define	F realpageofpage
D defined	U referencesplitter
D derived	D referred
F enhance	F referredpage
D executors	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 getcurrentmetadata	F splitcomponent
	F splitprefix

F splitreference	F store
F synchronizepage	D tobesaved
T testrunners	F unique
F inner	F userdata
F special	sections table
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 tobereferrer	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 prefixedconverted
F analyze	F pushblock
D collected	F register
F compare	D registered
F define	F reportstructure
F enhance	F save
F extend	T sectionblockdata
F filter	T bodypart
F filtercollected	S bookmark
F finalize	F set
F findinternal	F setblock
F flush	F setchecker
F get	F setentry
F prepare	F setinitialblock
F process	F setlevel
F setmethod	F setnumber
F sort	F showstructure

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	registershown	F	registerseparator
F	registerused	F	section
F	reset	F	sorting
F	resetall	F	subsentencesymbol
F	resetlist	F	synonym
F	resetshown	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
F	marginanchor	T	referencehash

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

table (basic lua)

allkeys	function	orderedhash	function
append	function	pack	function
are_equal	function	prepend	function
collapsed	function	print	function
collapsedhash	function	remove	function
combine	function	reverse	function
compact	function	reversed	function
concat	function	save	function
contains	function	sequenced	function
copy	function	serialize	function
count	function	setmetatablecall	function
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

tex (basic tex)

attribute	table	forceinputstateline	function
automigrationcodes	data table	fprint	function
badness	function	frozenparcodes	data table
boundaries	table	get	function
D names		getalignmentcontextvalues	function
D numbers		getappendlinecontextvalues	function
F system		getattribute	function
box	table	getautomigrationvalues	function
boxresources	table	getbox	function
F getbox		getboxdir	function
F getdimensions		getboxresourcebox	function
F save		getboxresourcedimensions	function
F use		getcatcode	function
catcode	table	getcount	function
chardef	function	getdelcode	function
classoptioncodes	data table	getdelcodes	function
codes	table	getdimen	function
conditionals	data table	getdimensionvalue	function
constants	data table	getdiscriptionvalues	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
discriptioncodes	data table	getglyphscript	function
dontcomplain	function	getglyphstate	function
enableprimitives	function	getgroupvalues	function
error	function	gethccode	function
expandasvalue	function	gethelptext	function
experiments	data table	gethmcode	function
extraprimitives	function	gethyphenationvalues	function
fatalerror	function	getinputstatefile	function
flagcodes	data table	getinputstateline	function
fontidentifier	function	getinputstatemode	function
fontname	function	getinsertcontent	function
forcehmode	function	getinsertdepth	function
forceinputstatefile	function	getinsertdistance	function

getinsertheight	function	getprimitiveorigins	function
getinsertlimit	function	getregisterindex	function
getinsertmultiplier	function	getrunstatevalues	function
getinsertwidth	function	getsfcode	function
getintegervalue	function	getshapingpenaltiesvalues	function
getinteraction	function	getskip	function
getiovalues	function	getspecialmathclassvalues	function
getlargestusedmark	function	gettextcontrolvalues	function
getlccode	function	gettextdir	function
getlinedir	function	gettoks	function
getlist	function	getuccode	function
getlistanchorvalues	function	glue	table
getlistgeometryvalues	function	glyphoptioncodes	data table
getlistsignvalues	function	groupcodes	data table
getlocalbox	function	hashtokens	function
getlocallevel	function	hccode	table
getmark	function	hmcode	table
getmath	function	hyphenationcodes	data table
getmathclassoptionvalues	function	ifs	data table
getmathcode	function	inicatcodes	number
getmathcodes	function	integerdef	function
getmathcontrolvalues	function	isattribute	function
getmathdir	function	isbox	function
getmathparametervalues	function	iscount	overloaded function
getmathstylenamevalues	function	isdefined	function
getmathstylevalues	function	isdimen	overloaded function
getmathvariantvalues	function	isglue	function
getmode	function	ismuglue	function
getmodevalues	function	ismuskip	overloaded function
getmuglue	function	isprintable	function
getmuskip	function	isskip	overloaded function
getnest	function	istoken	function
getnoadoptionvalues	function	istoks	function
getnormalizeolinevalues	function	lastnodetype	function
getnormalizeparvalues	function	lccode	table
getoutputactive	function	linebreak	function
getpacktypevalues	function	listanchorcodes	data table
getpagecontextvalues	function	lists	table
getpagestate	function	listsigncodes	data table
getparbeginvalues	function	luacatcodes	number
getparcontextvalues	function	magicconstants	table
getpardir	function	N assumedmathcontrol	
getparmodevalues	function	N awfulbad	
getparstate	function	N decentr criterium	

N defaultcatcodetable	N maxnoflanguages
N defaultdeadcycles	N maxnofmarks
N defaulteqnogapstep	N maxnofmathfamilies
N defaulthangafter	N maxquarterword
N defaultoutputbox	N maxsizeoffword
N defaultpredisplaygap	N maxspacefactor
N defaultrule	N maxtoksregisterindex
N defaultspacefactor	N mincardinal
N defaulttolerance	N mindatavalue
N deplorable	N mindimen
N ejectpenalty	N minhalfword
N ignoredepth	N mininfinity
N infinitebad	N mininteger
N infinitepenalty	N minquarterword
N infinity	N minspacefactor
N largewidthexcess	N nocatcodetable
N loosecriterium	N null
N mathbeginclass	N nullflag
N mathendclass	N nullfont
N maxattributeregisterindex	N onebp
N maxboxregisterindex	N presetrulethickness
N maxbytecodeindex	N runningrule
N maxcardinal	N smallstretchability
N maxcategorycode	N texeqtbsize
N maxcharactercode	N texhashprime
N maxcharcode	N texhashsize
N maxdatavalue	N two
N maxdimen	N undefinedmathparameter
N maxdimenregisterindex	N unity
N maxfunctionreference	N unusedattributevalue
N maxglueregisterindex	N unusedmathfamily
N maxhalfvalue	N unusedmathstyle
N maxhalfword	N unusedscriptvalue
N maxinteger	N unusedstatevalue
N maxintregisterindex	N zero glue
N maxlimitedscale	mathchardef
N maxmarkindex	mathcode
N maxmathclasscode	mathcontrolcodes
N maxmathfamilyindex	modelevels
N maxmuglueregisterindex	N horizontal
N maxnewlinecharacter	N math
N maxnofbytecodes	N unset
N maxnofcatcodetables	N vertical
N maxnoffonts	modes
	function
	table
	data table
	table
	data table
	data table

mprint	function	sethccode	function
muglue	table	sethmcode	function
muskip	table	setinputstatefile	function
nest	table	setinputstateline	function
nilcatcodes	number	setinputstatemode	function
noadoptioncodes	data table	setinsertcontent	function
normalizepcodes	data table	setinsertdistance	function
normalizeparcodes	data table	setinsertlimit	function
notcatcodes	number	setinsertmultiplier	function
number	function	setintegervalue	function
parcontextcodes	data table	setinteraction	function
poplocal	function	setlccode	function
popsavelevel	function	setlinedir	function
preparelinebreak	function	setlist	function
primitives	function	setlocalbox	function
print	function	setmath	function
prtcatcodes	number	setmathcode	function
pushlocal	function	setmathdir	function
pushsavelevel	function	setmuglue	function
quitlocal	function	setmuskip	function
quittoks	function	setnest	function
resetparagraph	function	setpardir	function
rlnccatcodes	number	setrunstate	overloaded function
roman numeral	function	setsfcode	function
round	function	setskip	function
runlocal	function	settextdir	function
runstring	function	settoks	function
runtoks	function	setuccode	function
saveboxresource	function	sfcodes	table
scale	function	shiftparshape	function
scantoks	function	shipout	function
set	function	showcontext	function
setattribute	function	skip	table
setbox	function	snapshotpar	function
setboxdir	function	sp	function
setcatcode	function	specialmathclasscodes	data table
setcount	function	splitbox	function
setdelcode	function	sprint	function
setdimen	function	stringtocodebitmap	function
setdimensionvalue	function	systemmodes	data table
setglue	function	takebox	function
setglyphdata	function	texcatcodes	number
setglyphscript	function	textcontrolcodes	data table
setglyphstate	function	toks	table

tonumber	function	txtcatcodes	number
toscaled	function	type	function
tpacatcodes	number	uccode	table
tpbcatcodes	number	uprint	function
tprint	function	useboxresource	function
trackers	data table	vrbcatcodes	number
triggerbuildpage	function	write	function

texconfig (basic tex)

firstline	string	N step
formatname	string	propertysize number
functionsizesize	number	shell_escape string
init	overloaded function	tokensize table
kpse_init	boolean	N size
nodedizesize	table	N step
		N size

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	getexpandable	function
expand	function	getexpansion	function
expand_macro	function	getfields	function
expandmacro	function	getflags	function
future_expand	function	getfrozen	function
futureexpand	function	getfunctionvalues	function
get_active	function	getid	function
get_cmdchrcs	function	getimmutable	function
get_cmdname	function	getindex	function
get_command	function	GetInstance	function
get_curname	function	getinteger	function
get_cstoken	function	getmacro	function
get_dimension	function	getmeaning	function
get_expandable	function	getnoaligned	function
get_fields	function	getparameters	function
get_flags	function	getpermanent	function
get_frozen	function	getprimitive	function
get_id	function	getprimitives	function
get_immutable	function	getprotected	function
get_index	function	getrange	function
get_instance	function	gettok	function
get_integer	function	gettolerant	function
get_macro	function	gobble	function
get_meaning	function	gobble_dimen	function
get_noaligned	function	gobble_integer	function
get_parameters	function	gobbledimen	function
get_permanent	function	gobbleinteger	function
get_primitive	function	grab	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
getdimension	function	peeknextexpanded	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	scanfloat	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	scanluocardinal	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_luocardinal	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
scan_value	function	setdimension	function

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

tokens (context)

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

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 luacardinal
	T 3 strings	F luainteger
	T 4 arguments	F luanumber
	T 4 strings	F lxmllid
	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 char	F table
	F cmdchr	F token

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	scancardinal
setinteger	function	F	scanclose
setters	table	F	scancode
F	box	F	scancodeconditional
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	scanbbox
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
N	close	F	code
F	inspect	F	conditional

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
F tokenlist	U colordefalc
F tokens	U colordefflc

U colordefflt	F cstoken
U colordefrlt	F dimen
U dfinishreference	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 toglike	F scanbox
S tonumber	F scanbracketed
S tostring	F scanbracketedasis
F create	F scancardinal
F defined	F scanclose
F flags	F scancode
F getinteger	F scanconditional
T getters	F scancsname
F box	F scancsnameunchecked
F count	F scandelimited

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

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
dumphashstofile	function	show	function
enable	function	value	function
list	function	values	function
name	string		

typesetters (context)

alignments	table	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 F handler
firstlines	table	T actions F default F line F word
fontkerns	table	F handler
initials	table	T actions F default F handler F set
injectors	table	F check T list F mark F reset F set F show
italics	table	F enablemath F enabletext F forcevariant F handler F reset F set
kerns	table	D factors F handler F keepligature D mapping F set

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

updaters (context)

apply function
register function

url (context)

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

utf8 (basic lua)

char function
charpattern string
codepoint function

codes function
len function
offset function

utilities (context)

debugger	table	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 readcline F readcstring F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger1le F readinteger2 F readinteger2le F readinteger3 F readinteger3le F readinteger4 F readinteger4le F readintegertable
		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
		lua table

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
N n of strippedbytes	F make_settings_to_hash_pattern
N n of strippedchunks	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 hashed	F settings_to_array_with_repeat
F new	F settings_to_hash
F pack	F settings_to_hash_colon_too
F simplehashed	F settings_to_hash_strict
F strip	F settings_to_hash_tolerant
F unpack	F settings_to_numbers
N version	F settings_to_set
parsers	table
F add_settings_to_array	F simple_hash_to_string
F arguments_to_table	F splitmethod
F array_to_string	F splitthousands
F csvsplitter	F stepper
F getparameters	F stripped_settings_to_array
F groupedsplitat	F totime
F hash_to_string	F unittotex
T hashes	F unittoxml
T settings_to_set	randomizer
T text,hidden,paper,page,leftpage,rightpage	table
B hidden	F get
B leftpage	F getnumber
B page	F getrepeatable
	F getrepeatableseed
	F getseed
	F newrepeatable

F popseed		F sparse
F pushseed		streams
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 marked		F skip
F setinitializer		F skipbytes

F skiplong	F removevalue
F skipshort	F replacevalue
F tocardinal1	tar table
F tocardinal1le	T archives
F tocardinal2	F closearchive
F tocardinal2le	T files
F tocardinal3	F fetch
F tocardinal3le	F hash
F tocardinal4	F list
F tocardinal4le	F pack
strings table	F unpack
F collapse	F openarchive
F collapsecrlf	T registeredfiles
T formatters	T streams
F add	F fetch
F new	F hash
F newcollector	F list
F newrepeater	F pack
F nice	F unpack
T striplinepatterns	T strings
U collapse	F fetch
U prune	F hash
U prune and collapse	F list
U prune and no empty	F pack
U prune and to space	F unpack
U retain	templates table
U retain and collapse	F load
U retain and no empty	F replace
F striplines	F replacer
F striplong	F resolve
F tabtospace	zipfiles table
T tracers	F close
tables table	F found
F accesstable	F hash
F definedtable	F list
F definetable	F open
F encapsulate	F unzip
F insertaftervalue	F unzipdir
F insertbeforevalue	F zipdir
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 sqrt
__add	function	F tan
__div	function	F tanh
__eq	function	F topair
__index	table	F tostring
F I		F totable
F __add		F __mul
F __div		S __name
F __eq		F __pow
T __index		F __sub
F I		F __tostring
F __add		F __unm
F __div		F abs
F __eq		F acos
F __mul		F acosh
S __name		F arg
F __pow		F asin
F __sub		F asinh
F __tostring		F atan
F __unm		F atanh
F abs		F conj
F acos		F cos
F acosh		F cosh
F arg		F exp
F asin		F i
F asinh		F imag
F atan		F log
F atanh		F new
F conj		F pow
F cos		F proj
F cosh		F real
F exp		F sin
F i		F sinh
F imag		F sqrt
F log		F tan
F new		F tanh
F pow		F topair
F proj		F tostring
F real		F totable
F sin		<u>__mul</u> function
F sinh		<u>__name</u> string

<code>__pow</code>	function	<code>i</code>	function
<code>__sub</code>	function	<code>imag</code>	function
<code>__tostring</code>	function	<code>log</code>	function
<code>__unm</code>	function	<code>new</code>	function
<code>abs</code>	function	<code>pow</code>	function
<code>acos</code>	function	<code>proj</code>	function
<code>acosh</code>	function	<code>real</code>	function
<code>arg</code>	function	<code>sin</code>	function
<code>asin</code>	function	<code>sinh</code>	function
<code>asinh</code>	function	<code>sqrt</code>	function
<code>atan</code>	function	<code>tan</code>	function
<code>atanh</code>	function	<code>tanh</code>	function
<code>conj</code>	function	<code>topair</code>	function
<code>cos</code>	function	<code>tostring</code>	function
<code>cosh</code>	function	<code>totable</code>	function
<code>exp</code>	function		

xdecimal (extra lua)

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

F new	band	function
F plus	bor	function
F pow	bxor	function
F rotate	conj	function
F setprecision	copy	function
F shift	exp	function
F sqrt	getprecision	function
F toengstring	ln	function
F tonumber	log	function
F tostring	max	function
F trim	min	function
<u>le</u>	minus	function
<u>lt</u>	new	function
<u>mod</u>	plus	function
<u>mul</u>	pow	function
<u>name</u>	rotate	function
<u>pow</u>	setprecision	function
<u>shl</u>	shift	function
<u>shr</u>	sqrt	function
<u>sub</u>	toengstring	function
<u>tostring</u>	tonumber	function
<u>unm</u>	tostring	function
abs	trim	function

xmath (extra lua)

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

xml (context)

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

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
F tags	index	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	registersns	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
parsesentitylpeg	userdata	setHandlersFunction	function
pihandlers	table	setInjectors	function
F injector		setProperty	function
F tex		settings	function
placeholders	table	specialcodes	table
F unknown_any_entity		S "	
F unknown_dec_entity		S #	
F unknown_hex_entity		S \$	
popmatch	function	S %	
position	function	S &	

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

xzip (extra lua)

adler32 function
compress function
compresssize function

crc32 function
decompress function
decompresssize function

zip (extra lua)

archives	table	openarchive	function
closearchive	function	registeredfiles	table

zlib (extra lua)

adler32 function
compress function
compresssize function

crc32 function
decompress function
decompresssize function