

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 kpse 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 pdfengine physics
pngdecode posit potrace publications regimes
resolvers sandbox scripts set sha2 sio socket
sorters sparse statistics status storage
streams string structures table tex
texconditionals texconfig texconstants texifs
texio texpisdefined 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`)

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

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

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

aes (extra lua)

decode function
encode function

random function

attributes (context)

alternates table

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

applyoverloads function

checkvalues function

colorintents table

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

colors table

N attribute
F cmyk
F cmyktogray
F cmyktorgb
F colorcomponents
D counts
B couple
F currentmodel
F currentnamedmodel
D data
N default
F defineintermediatecolor
F definemultitonecolor
F defineprocesscolor
F defineprocesscolordirect
F definesimplegray
F definespotcolor
F definetransparency
F enable
F filter
N forced
F forcedmodel
F forcesupport

F formatcolor
F formatgray
F formatluminance
F formatluminanceratio
F getpagecolormodel
F gray
F graytohsv
F handler
T helpers
F complement
F inbetween
F justone
F hsvtorgay
F hsvtorgb
F hwbtorgb
F iccprofile
F isblack
F 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 rgbtorgay
F rgbtohsv
F rgbtoxyz
N selector
F setlist
F setmodel

F setpagecolormodel
 D sets
 F spec
 F spot
 F spotcolorname
 F spotcolorparent
 F spotcolorvalue
 B supported
 F toattributes
 F transparencycomponents
 B triggering
 F usecolors
 D valid
 F value
 D values
 B weightgray
 F xyztolab
 F xyztorgb

counts data table
define function
effects table
 N attribute
 D data
 F enable
 F handler
 F register
 D registered
 D values
getValue function
getvalues function
handlers table
hasvalues function
list data table
markasoverload function
names data table
negatives table
 N attribute
 D data
 F enable
 F handler
 F register
 D registered
 F set
numbers data table

ofnode function
private function
public function
registervalue function
restore function
save function
setcleaner function
showcurrent function
states table
 F disabletriggering
 F enabletriggering
 F finalize
 F initialize
 F process
 F selective
 F simple
 F stacked
 F stacker

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

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

backends (context)

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

F reducetags	F vfstartcolor
F registercompactor	F vfstopcolor
F registerdocumentcloseaction	F wrapimage
F registerdocumentopenaction	S name
F registeredsymbol	T nodeinjections
F registerfiguremask	F addtags
F registerfigurerange	F annotation
F registerpagecloseaction	F attachfile
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 setautoprefix	F overprint
F setencryption	F positive
F setfieldcalculationset	F reference
F setfigurealternative	F rgbcolor
F setfigurecolorspace	F spotcolor
F setfiguremask	F startalternate
F setformat	F startlayer
F setformsmethod	F startstackedlayer
F setpagetransition	F stopalternate
F settaggingsupport	F stoplayer
F setupviewerlayer	F stopstackedlayer
F setxmpfile	F transparency
F startlayer	F typesetfield
F startunicodetoactualtext	F useboxresource
F startunicodetoactualtextdirect	T registrations
F stoplayer	F cmykindexcolor
F stopunicodetoactualtext	F cmykspotcolor
F stopunicodetoactualtextdirect	F getspotcolorreference
F supportedformats	F grayindexcolor
F unicodetoactualtext	F grayspotcolor
F useviewerlayer	F rgbindexcolor
F validcompactor	F rgbspotcolor
F validfield	F spotcolorname
F validfieldcategory	F transparency
F validfieldset	T tables

registrations
setencryption
tables

table
function
table

writeout

function

basexx (extra lua)

decode16 function
decode64 function
decode85 function
decodeLZW function
decodeRL function

encode16 function
encode64 function
encode85 function
encodeLZW function
encodeRL function

bit32 (context)

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

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

blobs (context)

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

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

boolean (context)

tocontext function

tonumber function

buffers (context)

append	function
assign	function
collectcontent	function
empty	function
erase	function
exists	function
get	function
getcontent	function
getctxlua	function
getlines	function
getmkvi	function
gettex	function
loadcontent	function

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

builders (context)

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

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

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

cache (context)

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

callback (basic tex)

find function
known function
list function

register overloaded function
usage function

callbacks (context)

freeze function

functions table

F start_page_number

F stop_page_number

known function

list data table

pop function

push function

register function

report function

supported table

B alignment_filter

B append_line_filter

B append_to_vlist_filter

B begin_paragraph

B buildpage_filter

B define_font

B find_format_file

B find_log_file

B get_attribute

B get_math_dictionary

B get_noad_class

B glyph_run

B handle_overload

B handle_uleader

B hpack_filter

B hpack_quality

B hyphenate

B insert_distance

B insert_par

B intercept_lua_error

B intercept_tex_error

B italic_correction

B kerning

B ligaturing

B linebreak_filter

B linebreak_quality

B local_box_filter

B make_extensible

B math_rule

B missing_character

B mlist_to_hlist

B open_data_file

B packed_vbox_filter

B paragraph_context

B paragraph_pass

B post_linebreak_filter

B pre_dump

B pre_linebreak_filter

B pre_output_filter

B process_character

B process_jobname

B quality_font

B register_extensible

B show_break

B show_build

B show_error_message

B show_lua_call

B show_warning_message

B show_whatsit

B start_file

B start_run

B stop_file

B stop_run

B trace_memory

B vpack_filter

B vpack_quality

B wrapup_run

catcodes (context)

names data table
numbers data table

register function

characters (context)

adobename	function	T after_subscript
bidi	data table	T anudatta
blockrange	function	T before_half
blocks	data table	T before_main
can_have_space	data table	T before_postscript
casemap	table	T before_subscript
categories	data table	T below_mark
category	function	T consonant
categorytags	data table	T dependent_vowel
classifiers	table	T halant
collapsed	data table	T independent_vowel
combined	data table	T nukta
contextname	function	T post_mark
csletters	data table	T pre_mark
data	data table	T ra
decomposed	data table	T stress_tone_mark
description	function	T twopart_mark
descriptions	data table	T vowel_modifier
detailtags	data table	initialize function
directions	table	is_character data table
emoji	table	is_command data table
F compact		is_hyphenator data table
F known		is_letter data table
F resolve		is_mark data table
emojized	function	is_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		ranges data table
T after_half		registerentities function
T after_main		remap_hangul_syllabe function
T after_postscript		scripthash table

setactivecatcodes	function	D accentmapping	
setlettercatcodes	function	D commandmapping	
setothercatcodes	function	F defineaccents	
shape	function	F safechar	
shaped	function	F strtoutf	
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
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

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

uchexnumber
uchexnumbers
upper
verbose

D data

function
function
function
table

F translate

weekday
word
words

function
function
function

coroutine (basic lua)

close function
create function
isyieldable function
resume function

running function
status function
wrap function
yield function

ctxrunner (context)

load function
preparedfile function

prepfileresolve data table
resolve function

debug (basic lua)

getinfo function
sethook function

traceback function

dir (context)

collectpattern function
current function
expandlink function
expandname function
found function
glob function
globdirs function

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

directives (context)

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

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

document (context)

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

documentdata (context)

variable function

drivers (context)

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
T js		F cleanup
T actions		F convert
F cleanup		F finalize
F convert		F initialize
F finalize		F outputfilename
F initialize		F prepare
F outputfilename		F wrapup
F prepare		T flushers
F wrapup		F character
T flushers		F popleaderlevel
F character		F pushleaderlevel
F popleaderlevel		F rule
F pushleaderlevel		F simplerule
F rule		F specialrule
F simplerule		F updatefontstate
F specialrule		T whatsit

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

environment (context)

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

experiments (context)

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

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

figures (context)

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

resources	data table
scale	function
set	function
setconversion	function
setlookups	function

setorder	function
setpaths	function
suffixes	data table
used	data table

file (basic lua)

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

fio (extra lua)

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

floats (context)

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

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

font (basic tex)

addcharacters function
addquality function
current function
define function
getfont function
getfontdimen function
getfontspec function
getmathindex function

getmathspec function
id function
max function
nextid function
setfont function
setfontdimen function
xscaled function
yscaled function

fonts (context)

analyzers table

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

callbacks table

- F callback
- F devirtualize

checkers table

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

cid table

- F getmap
- F loadfile

collections table

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

constructors table

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

- F beforepassingfonttotex

- D cache
- F calculatyscale
- F checkedfeatures
- F checkedfilename
- F collectprocessors
- F currentfontasfeature

- D designsizes
- F enhanceparameters

- T enhancers

- T afm

- F apply

- F patch

- T patches

- F register

- F report

- F register

- F report

- T otf

- F addfeature

- F apply

- F enhance

- F patch

- T patches

- F register

- F report

- F register

- F report

- T tfm

- F apply

- F patch

- T patches

- F register

- F report

- F register

- F report

- N factor

- T features

- D afm

- D otf

- D tfm

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

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

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

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

F makespecification
 T methods
 F install
 D variants
 F read
 F register
 F registered
 F registerfallbackfont
 F registersplit
 F resetnullfont
 F resolve
 T resolvers
 F file
 F name
 F spec
definetypface function
dropins table
 F clone
 F getshape
 F getshapes
 F nextid
 F provide
 F registerglyph
 F registerglyphs
 F swap
 F swapone
effects table
encodings table
 T agl
 D ctxcodes
 D extras
 D names
 D synonyms
 D unicodes
 D cache
 F is_known
 D known
 F load
 F make_unicode_vector
 D math
 N version
enhanceid function
expansions data table
formats data table

getalternate function
getindices function
getkern function
getmultiple function
getsubstitution function
getters table
 T alternate
 F opentype
 T kern
 F opentype
 F type1
 F type3
 T multiple
 F opentype
 T substitution
 F opentype
goodies table
 D colorschemes
 T data
 T common-math.lfg
 S author
 S comment
 S copyright
 B initialized
 T mathematics
 T tweaks
 T presets
 F addmathkerns
 F braille
 F eulertocalligraphic
 F fallbacks
 F moderntocalligraphic
 F moveintegrals
 F moveitalics
 F pagellaradical
 F rsfstoscript
 F rsfsuprighttoscript
 F scripttocalligraphic
 F smallldigits
 F wipeanchors
 F wipeitalics
 F xitsarabic
 S name
 S version

T dejavu-math	F load
S author	F prepare_features
S comment	F register
S copyright	F registerpostprocessor
B initialized	F report
T mathematics	T suffixes
T alternates	handlers table
T dotless	hashes table
S comment	D characters
S feature	D classes
N value	D csnames
T bigslots	D descriptions
T parameters	D dynamics
N AccentBaseDepth	D emwidths
N AccentTopShiftUp	D exheights
N DelimiterDisplayPercent	D features
N DelimiterDisplayShortfall	D identifiers
N DelimiterPercent	D italics
N DelimiterShortfall	D lastmathids
N DisplayOperatorMinHeight	D marks
N FlattenedAccentTopShiftUp	D mathparameters
N FractionRuleThickness	D modes
S PrimeBaselineDropMax	D originals
S PrimeShiftUp	D parameters
S PrimeShiftUpCramped	T processes
N SubscriptShiftDown	D properties
S SubscriptShiftDownWithSuperscript	D quads
N SuperscriptShiftUp	D resources
T tweaks	T setdynamics
T aftercopying	T shapes
S name	D spaces
S version	D spacings
T dejavu-text	T streams
S author	D unicodes
S comment	D unislots
S copyright	D variants
T extensions	D xheights
B initialized	helpers table
S name	F addextraprivate
S version	F addprivate
D designsizes	F appendcommands
D filenames	F appendcommandtable
F getcompositions	F checkflags
T list	F checkmerge

- F checksteps
- F collectanchors
- F combineglyphs
- D commands
- F composecharacters
- F descriptiontoslot
- F dimenfactor
- F expandglyph
- D extraprivates
- F fontpatternhassize
- F getcoloredglyphs
- F getdigitwidth
- F getinstancespec
- F getparameters
- F getprivatecharornode
- F getprivatenode
- F getprivates
- F getprivateslot
- F hasprivate
- F indextoslot
- F isprivate
- F mathscriptslots
- F name
- F nametoslot
- F newprivateslot
- F prependcommands
- F prependcommandtable
- F privateslot
- F registeryglyphbox
- F scalecommands
- F setboxdirectly
- F setboxglyph
- F setboxglyphs
- F setdigitwidth
- F setmetaglyph
- F setmetaglyphs
- D sharedprivates
- F splitfontpattern
- F tochar
- T vfinjectors
 - F startcolor
 - F stopcolor
- T vfspecials
 - T backgrounds

- T outlines
- infofont** function
- iterators** table
 - F characters
 - F descriptions
 - F glyphs
- loggers** table
 - F format
 - F onetimemessage
 - F register
 - F reportdefinedfonts
 - F reportusedfeatures
- mappings** table
 - F addtounicode
 - F fromunicode16
 - F getentry
 - F loadfile
 - F loadline
 - F makenameparser
 - D overloads
 - F reset
 - F tounicode
 - F tounicode16
 - F tounicode16sequence
- metapost** table
 - F baseline
 - F boundingbox
 - F boxtmp
 - F draw
 - F fill
 - F glyph
 - F maxbounds
 - F paths
 - F widthline
 - F zeroline
- mode** function
- names** data table
- nulldata** data table
- privateoffsets** table
 - B keepnames
 - N mathbase
 - N mathextrabase
 - N textbase
 - N textextrabase

protrusions data table

readers table

- F afm
- F check_lua
- F check_tfm
- F lua
- F ofm
- F opentype
- F otf
- F pfb
- D sequence
- F tfm
- F ttc
- F ttf
- F woff

registersanitizer function

reserveid function

select table

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

- F registerfallback
- F registerfiles
- F registerfontalternative
- F registerfontfamily
- F textfallback
- F typeface
- F typescript
- F userdata

specifiers table

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

symbols table

- T emoji
- F checked
- F resolved
- F uselibrary

tables table

toeffect function

tracers table

treatments table

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

typefaces table

functions (context)

dummy function

graphics (context)

backgrounds table

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

bitmaps table

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

identifiers table

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

identify function

synchronizers table

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

gzip (context)

compress function
compressed function
decompress function

load function
save function
suffix function

images (context)

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

interactions (context)

attachments data table

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F getidentityvariable

help table

F collect

F reference

F register

javascripts table

F addtopreamble

F code

D codes

F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedList data table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocumentaction

F setclosepageaction

F setopendocumentaction

F setopenpageaction

renderings data table

interfaces (context)

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

io (basic lua)

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

job (context)

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

F onsamepage	F x	
F overlapping	F xy	
F p	F y	
F page	register	function
F paragraph	save	function
F parindent	structure	table
F position	D collected	
F r	T components	
F region	T namestack	
F registerhandlers	T tobесaved	
F replace	T branches	
F rightskip	S name	
F set	S type	
F setall	variables	table
F setregionbox	D checksums	
F setspec	D collected	
F settobесaved	F getchecksum	
D tobесaved	F makechecksum	
F upperleft	F restore	
F upperright	F save	
F used	F setchecksum	
F whd	D tobесaved	
F width	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	preexhyphenchar	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	
explicitthyphen	function	loadable	function
flatten	function	loadwords	function
frequencies	table	logger	table
F averagecharwidth		F report	
F getdata		nofflatted	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
T dictionaries		registeredactions	table
D featuresets		replacements	table
F handler		F add	
T methods		F addlist	
F expanded		F handler	
B none		F set	
F original		serializediscretionary	function
F tex		setexceptions	function
F traditional		setgoodieshandler	function
F popmethod		setoptions	function
F pushmethod		setpatterns	function
F setmethod		setsynonym	function
F setup		setwordhandler	function
F showhyphenationtrace		showdiscretionaries	function
T traditional		strippedgoodiewords	function
F definefeatures		tolang	function
F gettrace		transliteration	table
F hyphenate		F exception	
F injectthyphens		F handler	

F register

F set

F use

unload

urls

D characters

N lefthyphenmin

D mapping

B packslashes

N righthyphenmin

F setcharacters

version

function

table

number

visualizediscretionaries function
words table

F check

T data

F disable

F enable

T enablers

B enables

F found

F load

T methods

N threshold

layouts (context)

getcanvas function
getpagedimensions function
setupcanvas function

status table
 F isleftpage
 F lefttorightpageaction

lfs (extra lua)

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

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

optional data table

lmx (context)

color	function	loadedfile	function
convert	function	make	function
convertfile	function	new	function
convertstring	function	overloaderror	function
einject	function	popupfile	function
eprint	function	print	function
escape	function	pv	function
finalized	function	report	function
finject	function	reset	function
fprint	function	result	function
get	function	set	function
getvariables	function	show	function
htmfile	function	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	settarget	function
flush	function	settimedlog	function
loggingerrors	function	settranslations	function
messenger	function	show	function
new	function	start_page_number	function
newline	function	start_run	function
poplogfile	function	starterrorlogging	function
poptarget	function	startfilelogging	function
private	table	status	function
F enablepagetiming		stop_page_number	function
F getpagetiming		stoperrorlogging	function
pushlogfile	function	stopfilelogging	function
pushtarget	function	subdirect	function
registerfinalactions	function	subreport	function
report	function	system	function
reporter	function	texerrormessage	function
resetlogfile	function	writer	function

lpdf (context)

action	function	deferredobject	function
adddocumentcolorspace	function	delayedobject	function
adddocumenttextgstate	function	destinationspecification	function
adddocumentpattern	function	dictionary	function
adddocumentshade	function	docstring	function
addtocatalog	function	epdf	table
addtoinfo	function	F allcontent	
addtonames	function	F analyzefonts	
addtopageattributes	function	F contentplugin	
addtopageresources	function	F contenttostring	
addtopagesattributes	function	F contenttotext	
addxmpinfo	function	D encryptioncodes	
annotationspecification	function	F expanded	
array	function	F expandwidths	
attachmentsymbols	function	F fontplugin	
boolean	function	F getpagecontent	
border	function	F getstructure	
checkedkey	function	T helpers	
checkedvalue	function	F tounicodeable	
circularshade	function	T image	
close	function	F close	
cmykcode	function	F copy	
collectedresources	function	F new	
color	function	F open	
colorspace	function	F query	
colorspaceconstants	data table	F load	
colorspec	function	F mergewidths	
colorvalue	function	D objectcodes	
colorvalues	function	F objectrange	
commentsymbols	function	F objecttype	
compresslevel	function	F pageplugin	
constant	function	F parsecontent	
copyarray	function	F producer	
copyboolean	function	T resolvers	
copyconstant	function	F destinations	
copydictionary	function	F embeddedfiles	
copyfloat	function	F javascripts	
copyinteger	function	F layers	
copynumber	function	F pages	
copystring	function	F structure	
copyunicode	function	F widgets	

F stripcontent		N file	
F unload		N fixed	
F verboseobject		N nocheck	
escaped	function	N protected	
finalizedocument	function	N readonly	
finalizepage	function	N required	
finalizesignature	function	N sorted	
finishtransparencycode	function	N unavailable	
flags	table	flushfonts	function
T annotations		flushgroup	function
N AutoView		flushobject	function
N Hidden		flushstreamfileobject	function
N Invisible		flushstreamobject	function
N Locked		fonts	table
N LockedContents		F color_direct	
N NoRotate		F color_indirect	
N NoView		formats	data table
N NoZoom		frombytes	function
N Print		fromeight	function
N Printable		frompdfdoc	function
N ReadOnly		fromsixteen	function
N ToggleNoView		getcatalog	function
N auto		getcompression	function
N hidden		getfontname	function
N printable		getfontobjectnumber	function
T widgets		getinfo	function
N Comb		getmatrix	function
N CommitOnSelChange		getnofpages	function
N DoNotScroll		getpageproperties	function
N DoNotSpellCheck		getpagereference	function
N Edit		getpagetags	function
N FileSelect		getpos	function
N MultiLine		gettrailerid	function
N NoExport		getversion	function
N NoToggleToOff		getxformname	function
N Password		graycode	function
N PopUp		h_hex_2	table
N PushButton		S	
N Radio		S	
N RadiosInUnison		S	
N ReadOnly		S	
N Required		S	
N RichText		S (
N Sort		S)	

S \		registerinitializer	function
h_hex_4	table	registerpagefinalizer	function
hasmatrix	function	registerpattern	function
immediateobject	function	registersignature	function
includeimage	function	replacexmpinfo	function
initialize	function	reserveobject	function
injectors	table	rgbcode	function
F bitmap		rotationcm	function
F jp2		setcompression	function
F jpg		setencryption	function
F png		setincludecidset	function
injectxmpinfo	function	setpageorder	function
insertxmpinfo	function	setpagestate	function
lastreferredpage	function	setpagetag	function
layerreference	function	setversion	function
limited	function	sharedobject	function
linearshade	function	shareobject	function
literal	function	shareobjectreference	function
majorversion	function	spotcode	function
makenametree	function	stream	function
minorversion	function	string	function
nofpages	function	tocidset	function
null	function	toeight	function
number	function	topdfdoc	function
object	function	tosixteen	function
objectcompresslevel	function	transparency	function
pagereference	function	transparencycode	function
patternstream	function	transparencygroups	table
pdfcolor	function	B none	
pdftimestamp	function	transparencyvalue	function
prepresignature	function	unicode	function
print	function	usedcharacters	table
procset	function	usedfontnames	table
protectresources	boolean	N dejavusansmonoboldttf-1-0-0	
rectangle	function	usedfontobjects	table
reference	function	N dejavusansmonoboldttf-1-0-0	
registerannotation	function	usedfontstreams	data table
registerdestination	function	usedindices	table
registerdocumentfinalizer	function	T dejavusansmonoboldttf-1-0-0	
registerfontmethod	function	verbose	function

lpeg (basic lua)

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

lua (basic tex)

bytecode	table	getruntime	function
bytedata	data table	getstacktop	function
bytdone	table	getstartupfile	function
callbytecode	function	getversion	function
delay	function	lastbytecode	number
finalizeinitex	function	messages	data table
firstbytecode	number	newindex	function
flush	function	newtable	function
flushdelayed	function	numbers	data table
get_functions_table	function	registercode	function
getbytecode	function	registeredcodes	function
getcurrenttime	function	registerinitexfinalizer	function
getdebuginfo	function	registername	function
getexitcode	function	setbytecode	function
getfunctionstable	overloaded function	setexitcode	function
getpreciseseconds	function	startupfile	string
getpreciseticks	function	version	string

luac (extra lua)

inspect function

print function

luatex (context)

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

lxml (context)

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

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

math (basic lua)

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

F	addparts	F	parameters
F	addprivates	F	radicalbodymargins
F	addrules	F	radicaldegreeanchors
F	addscripts	F	replace
F	bigslots	F	replacealphabets
F	checkaccents	F	replacerules
F	checkspacing	F	setoptions
F	copyaccents	F	setovershoots
T	datasets	F	showinfo
T	accentdimensions	F	simplifykerns
T	accent	F	sortvariants
T	over	F	staircase
T	under	T	subsets
T	addarrows	T	acenorsuvxz
T	addscripts	T	bhklt
T	checkspacing	T	d
T	copyaccents	T	dotless
T	fixprimes	T	f
T	fixslashes	T	gjgy
T	wipecues	T	horizontalfences
F	dimensions	T	i
F	extendaccents	T	integrals
F	fallbacks	T	letterlike
F	fixaccents	T	mw
F	fixellipses	T	p
F	fixintegrals	F	substitute
F	fixoldschool	F	topanchors
F	fixprimes	F	tweaks
F	fixradicals	F	version
F	fixslashes	F	wipeanchors
F	fixvariants	F	wipecues
F	flattenaccents	F	wipeitalics
F	inspect	F	wipevariants
F	keepbases	utfmathaccent	function
F	kernpairs	utfmathclass	function
F	kerns	utfmathcommand	function
T	kernsets	utfmathfiller	function
T	.,	utfmathstretch	function
F	margins	variantcode	function
F	message	variantcount	function
F	moveitalics	virtualize	function
F	movelimits	virtualized	data table

md5 (extra lua)

HEX function
dec function
hex function

sum function
sumHEXA 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 rightdelimiter
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 leftdelimiter		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	function	includesvgbuffer	function
convert	function	includesvgfile	function
currentmpx	function	installplugin	function
currentmpxstatus	function	isobject	function
defaultformat	string	knownparameters	table
defaultinstance	string	lastlog	string
defaultmethod	string	load	function
directrun	function	maketext	function
escaped	function	metafonts	table
exectime	table	metafun	table
extensiondata	data table	F interpolate	
filterclippath	function	F topath	
flush	function	mptopdf	table
flushers	table	F convertmpstopdf	
T pdf		N nofconverted	
F flushfigure		n	number
F startfigure		newlogger	function
F stopfigure		nofruns	number
F textfigure		nofscriptruns	function
F tocomment		nvformat	function
flushnormalpath	function	pdf literals	function
fonts	table	pluginactions	function
F define		popformat	function
format_number	function	popscriptrunner	function
format_string	function	popvariable	function
formatnumber	function	popvariables	function
getbendtolerance	function	preparetexttsdata	function
getbuffer	function	process	function
getclippath	function	processing	function
getextensions	function	processplugins	function
getextradata	function	properties	table
gethashentries	function	pushformat	function
getinstancenames	function	pushscriptrunner	function
getjobdata	function	pushvariable	function
getmovetolerance	function	pushvariables	function
getparameter	function	reducetogray	boolean
getparameterpreset	function	registerdirect	function
getparameterset	function	registerscript	function
getrecord	function	registertokens	function
getstatistics	function	remappedtext	function

remaptext	function	N px	
reporterror	function	svgglyphomp	function
reportsvgfonts	function	svgshapestomp	function
reset	function	svgshapestopdf	function
resetlastlog	function	svgsplitcolor	function
resetplugins	function	svgtomp	function
run	function	svgtopdf	function
runinternal	function	sxsy	function
runscript	function	tex	table
scanparameters	function	F get	
scripterror	function	F reset	
scriptindex	function	F set	
setbendtolerance	function	F setfrombuffer	
setbuffer	function	texerrors	boolean
setextensions	function	texexp	function
setlogging	function	theclipath	function
setmovetolerance	function	tographic	function
setoutercolor	function	totable	function
setparameter	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 vacuous

typesvgpage
unload

function
function

untagvariable
variables

function
table

mime (context)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

report function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

autoinject	function	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 fprint		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 quadruplepoints		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	mf_blob_size	function
lmt_contours_nx	function	mf_blob_width	function
lmt_contours_ny	function	mf_external_figure	function
lmt_contours_range	function	mf_finish_saving_data	function
lmt_contours_shade_paths	function	mf_formatted_text	function
lmt_contours_shade_set	function	mf_get_outline_text	function
lmt_contours_shape_paths	function	mf_graphic_text	function
lmt_contours_start	function	mf_inject_blob	function
lmt_contours_stop	function	mf_map_move	function
lmt_contours_value	function	mf_map_text	function
lmt_contours_xrange	function	mf_named_color	function
lmt_contours_yrange	function	mf_outline_text	function
lmt_function_x	function	mf_save_data	function
lmt_glyphshape_accent	function	mf_script_index	function
lmt_glyphshape_baseline	function	mf_start_saving_data	function
lmt_glyphshape_boundingbox	function	mf_stop_saving_data	function
lmt_glyphshape_depth	function	mode	function
lmt_glyphshape_height	function	n	function
lmt_glyphshape_italic	function	number	function
lmt_glyphshape_llx	function	numeric	function
lmt_glyphshape_n	function	pair	function
lmt_glyphshape_path	function	pairpoints	function
lmt_glyphshape_start	function	path	function
lmt_glyphshape_stop	function	pathpoints	function
lmt_glyphshape_usedbox	function	points	function
lmt_glyphshape_usedline	function	print	function
lmt_glyphshape_width	function	F boolean	
lmt_mesh_set	function	F color	
lmt_mesh_update	function	F direct	
lmt_poisson_generate	function	F draw	
lmt_start_potrace	function	F fill	
lmt_step_potrace	function	F flush	
lmt_stop_potrace	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 quadruplepoints	

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

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 autofences
F classes
F collapse
F dictionaries
F export
F families
F fencing
F fixscripts
F kernpairs
F makeup
F normalize
F numbers
F relocate
F render
F resize

F showtree
F snap
F spacing
F suspicious
F tags
F unscript
F unstack
F variants

process function

processnested function

processors table

T dictionaries
F mlisttohtml
T suspicious
T unscript
T unstack

processouter function

node (basic tex)

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

F getnodes	F hasdiscoption
F getnormalizedline	F hasfield
F getnucleus	F hasgeometry
F getnumerator	F hasglyph
F getoffsets	F hasglyphoption
F getoptions	F hpack
F getorientation	F hyphenating
F getparstate	F id
F getpenalty	F ignoremathskip
F getpost	F insertafter
F getpre	F insertbefore
F getprev	F isboth
F getprime	F ischar
F getpropertystable	F isdirect
F getproperty	F isglyph
F getreplace	F isitalicglyph
F getrightdelimiter	F isnext
F getruledimensions	F isnextchar
F getscale	F isnextglyph
F getscales	F isnode
F getscrip	F isprev
F getshift	F isprevchar
F getslant	F isprevglyph
F getspeciallist	F issimilarglyph
F getstate	F isspeciallist
F getsub	F isvalid
F getsubpre	F iszeroglue
F getsubtype	F kerning
F getsup	F lastnode
F getsuppre	F length
F gettop	F ligaturing
F gettopdelimiter	F makeextensible
F gettotal	F migrate
F getusedattributes	F mlisttohlist
F getweight	F naturalhsize
F getwhd	F naturalwidth
F getwidth	F new
F getwordrange	F newmathglyph
F getxscale	F newtextglyph
F getxyscales	F patchattributes
F getyscale	F prependbeforehead
F gluetostring	F protectglyph
F hasattribute	F protectglyphs
F hasdimensions	F protectglyphsnone

F protrusionskippable	F setnumerator
F rangedimensions	F setoffsets
F remove	F setoptions
F removefromlist	F setorientation
F repack	F setpenalty
F reverse	F setpost
F serialized	F setpre
F setanchors	F setprev
F setattribute	F setprime
F setattributelist	F setproperty
F setattributes	F setreplace
F setboth	F setrightdelimiter
F setbottom	F setruledimensions
F setbox	F setscales
F setchar	F setscript
F setchardict	F setshift
F setchoice	F setslant
F setclass	F setspeciallist
F setdata	F setsplit
F setdegree	F setstate
F setdelimiter	F setsub
F setdenominator	F setsubpre
F setdepth	F setsubtype
F setdirection	F setsup
F setdisc	F setsuppre
F setdiscpart	F settop
F setexpansion	F settotal
F setfam	F setweight
F setfield	F setwhd
F setfont	F setwidth
F setgeometry	F show
F setglue	F slide
F setglyphdata	F softtenhyphens
F setheight	F startofpar
F setindex	F subtypes
F setinputfields	F tail
F setkern	F todirect
F setlanguage	F tonode
F setleader	F toString
F setleftdelimiter	F tovaliddirect
F setlink	F traverse
F setlist	F traversesechar
F setnext	F traversecontent
F setnucleus	F traverseglyph

F traverseid		insertbefore	function
F traverseitalic		instock	function
F traverseleader		inuse	function
F traverselist		isnode	function
F type		iszeroglu	function
F types		kerning	function
F unprotectglyph		lastnode	function
F unprotectglyphs		length	function
F unsetattribute		ligaturing	function
F unsetattributes		makeextensible	function
F usedlist		mlisttohtml	function
F usesfont		new	function
F verticalbreak		protectglyph	function
F vpack		protectglyphs	function
F write		protrusionskippable	function
F xscaled		rangedimensions	function
F yscaled		remove	function
effectiveglue	function	serialized	function
endofmath	function	setattribute	function
family_font	function	setfield	function
fields	function	setglue	function
findattribute	function	setProperty	function
flattendiscretionaries	function	show	function
flushlist	function	slide	function
flushnode	function	subtypes	function
free	function	tail	function
getattribute	function	todirect	function
getcachestate	function	tonode	function
getfield	function	tostring	function
getglue	function	traverse	function
getpropertystable	function	traverseid	function
getproperty	function	type	function
gluetostring	function	types	function
hasattribute	function	unprotectglyph	function
hasfield	function	unprotectglyphs	function
hasglyph	function	unsetattribute	function
hpack	function	usedlist	function
hyphenating	function	usesfont	function
id	function	vpack	function
insertafter	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	firstdirinbox	function
boundarycodes	data table	flush	function
boxes	table	flushlist	function
F count		flushnode	function
F dimensions		fullhpack	function
F direct		getattr	function
F dispose		getattribute	function
F found		getboth	function
F prune		getbox	function
F reset		getchar	function
F restore		getfield	function
F save		getfont	function
F savenode		getid	function
builders	table	getleader	function
F buildpage_filter		getlist	function
F vbox_filter		getnext	function
F vpack_filter		getprev	function
choicecodes	data table	getproperty	function
concat	function	getsubtype	function
copy	function	gluecodes	data table
copy_node	function	glyphcodes	data table
copylist	function	handlers	table
countall	function	F adjusters	
currentattributes	function	F aligncharacter	
delete	function	F backgrounds	
destinations	table	F backgroundspage	
N attribute		F backgroundsvbox	
T done		F characters	
F handler		F checkglyphs	
T stack		F checkparcounter	

F cleanupbox		insertafter	function
F cleanuppape		insertbefore	function
F export		insertlistafter	function
F finalizebox		installattributehandler	function
F finalizelist		is_display_math	function
F flatten		isdirect	function
F flattenline		isnode	function
F mathalignrelocate		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		F set	
F isspace		mathcodes	data table
F keepcounts		mathvalues	data table
F reset		maxboxwidth	function
F resetcounts		migrations	table
F setcursive		F setinserts	
F setkern		F setmarks	
F setligaindex		new	function
F setmark		noadcodes	data table
F setmove		nodecodes	data table
F setposition		nopts	function
F setspacekerns		nuts	table

F addmargins	F flush
F addxoffset	F flushlist
F addxymargins	F flushnode
F addyoffset	F free
F append	F freeze
F appendaftertail	F fullhpack
F apply	F getanchors
F applyvisuals	F getattr
F checkdiscretionaries	F getattribute
F checkslide	F getattributelist
F collapsing	F getattributes
T colors	F getattrlist
F set	F getattrs
T components	F getboth
F copynocomponents	F getbottom
F copyonlyglyphs	F getbottomdelimiter
F count	F getbox
F flush	F getboxglue
F get	F getchar
F set	F getchardict
F concat	F getcharspec
F copy	F getchoice
F copy_properties	F getclass
F copyleft	F getcomponents
F copynode	F getcornerkerns
F copyonly	F getdata
F copyvisual	F getdegree
F count	F getdelimiter
F countall	F getdenominator
F currentattributes	F getdepth
F delete	F getdirection
F dimensions	F getdisc
F dirdimensions	F getdiscpart
F effectiveglue	F getdiscretionary
F endofmath	F getexpansion
F exchange	F getfam
F findattribute	F getfield
F findnode	F getfont
F firstchar	F getgeometry
F firstglyph	F getglue
F firstglyphnode	F getglyphdata
F firstitalicglyph	F getglyphdimensions
F flattendiscretionaries	F getheight
F flattenleaders	F getid

F getindex	F gettopdelimiter
F getinputfields	F gettotal
F getkern	F getusedattributes
F getkerndimension	F getvalue
F getlang	F getweight
F getlanguage	F getwhd
F getleader	F getwidth
F getleftdelimiter	F getwordrange
F getlist	F getxscale
F getlistdimensions	F getxyscales
F getmiddle	F getsyscale
F getmiddledelimiter	F gluetostring
F getnext	F hasattribute
F getnormalizedline	F hasdimensions
F getnucleus	F hasdiscoption
F getnumerator	F hasfield
F getoffsets	F hasgeometry
F getoptions	F hasglyph
F getorientation	F hasglyphoption
F getparstate	F hpack
F getpenalty	F hyphenating
F getpost	F ignoremathskip
F getpre	F insertafter
F getprev	F insertbefore
F getprime	F insertlistafter
F getprop	F is_display_math
F getreplace	F isboth
F getrightdelimiter	F ischar
F getruledata	F isdirect
F getruledimensions	F isdone
F getscale	F isglyph
F getscales	F isitalicglyph
F getscrip	F isnext
F getshift	F isnextchar
F getslant	F isnextglyph
F getspeciallist	F isnode
F getstate	F isnut
F getsub	F isprev
F getsubpre	F isprevchar
F getsubtype	F isprevglyph
F getsup	F issimilarglyph
F getsuppre	F iszeroglue
F getsurround	F kerning
F gettop	F lastnode

F length	F lineskip
F ligaturing	F literal
F link	F mathchar
F linked	F mathtextchar
F locate	F negatedglue
F migrate	F noad
F migratebox	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 spacefontkern
F direction	F startrotation
F directliteral	F stock
F disc	F stretch
F emptyrule	F strutrule
F fence	F subbox
F fontkern	F sublist
F fraction	F temp
F glue	F usage
F gluespec	F userdefined
F glyph	T userids
F hlist	F usernode
F imagerule	F userrule
F indentskip	F virtualrule
F italicickern	F vlist
F kern	F wordboundary
F latelua	F prepend
F leader	F prependbeforehead
F lefthangskip	F processranges
F leftmarginkern	F processwords
F leftskip	F protectglyph

F protectglyphs	F setdisc
F protectglyphsnone	F setdiscpart
F protrusionskippable	F setdiscretionary
F rangedimensions	F setexpansion
F rawprop	F setfam
F reference	F setfield
F rehpack	F setfont
F remove	F setgeometry
F removefromlist	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 setleftdelimiter
F fill	F setlink
F mp	F setlist
F stroke	F setmiddledelimiter
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 setrightdelimiter
F setchoice	F setruledata
F setclass	F setruledimensions
F setcomponents	F setscale
F setdata	F setscales
F setdegree	F setscript
F setdelimiter	F setshift
F setdenominator	F setslant
F setdepth	F setspeciallist
F setdirection	F setsplit

F setstate	F char
F setsub	F content
F setsubpre	F dir
F setsubtype	F disc
F setup	F glue
F setsuppre	F glyph
F setsurround	F hlist
F settop	F leader
F setvalue	F list
F setvisual	F mark
F setvisuals	F next
F setweight	F node
F setwhd	F penalty
F setwidth	F rule
F show	F unset
F slide	F vlist
F softenhyphens	F whatsit
F somepenalty	T treversers
F somespace	F char
F splitbox	F content
F startofpar	F glyph
F striprange	F leader
F tail	F list
F takeattr	F node
F takebox	T typesetters
F takelist	F tohbox
F theprop	F tohpack
F tonode	F tonodes
F tonodes	F tovbox
F tonut	F tovpack
F tosequence	F unprotectglyph
F toString	F unprotectglyphs
F tracedslide	F unsetattribute
F traverse	F unsetattributes
F traversechar	F untracedslide
F traversecontent	F usedlist
F traverseglyph	F usesfont
F traverseid	F verticalbreak
F traverseitalic	F vianodes
F traverseleader	F vianuts
F traverselist	F vpack
T traversers	F write
F alignrecord	F xscaled
F boundary	F yscaled

packlist	function	F pre_linebreak_filter	
parcodes	data table	F trace_glyph_run_a	
penaltycodes	data table	F trace_glyph_run_b	
plugindata	table	properties	table
F finalizer		T data	
F initializer		pts	function
S name		radicalcodes	data table
T namespace		references	table
N attribute		N attribute	
D data		T done	
F enable		F handler	
F handler		T stack	
F register		rehpack	function
D registered		remove	function
D values		repackhlist	function
F processor		replace	function
points	function	report	function
pool	table	report	function
F baselineskip		rightmarginwidth	function
F cleanup		rulecodes	data table
F directliteral		rules	table
F glyph		F handler	
F hlist		F process	
F latelua		F set	
F leader		F userrule	
F lineskip		serialize	function
F literal		serializebox	function
F originliteral		serialized	function
F register		setattr	function
F restore		setattribute	function
F save		setboth	function
F savepos		setbox	function
F setmatrix		setboxtonaturalwd	function
F stock		setchar	function
F usage		setfield	function
F usernode		setfont	function
F vlist		setleader	function
prepend	function	setlink	function
print	function	setlist	function
processors	table	setnext	function
F alignment_filter		setprev	function
F append_line_filter		setproperty	function
F glyph_run		shifts	table
F post_linebreak_filter		F handler	
		F set	

showboxes	function	tomillimeters	function
showlist	function	tonode	function
showsimplelist	function	tonodes	function
skipcodes	data table	tonut	function
snapshots	table	topics	function
F getsamples		topoints	function
F resetsamples		toscaledpoints	function
F takesample		tosequence	function
somepenalty	function	tostring	function
somespace	function	totable	function
specialskipcodes	table	totree	function
splitbox	function	toutf	function
startofpar	function	tracers	table
stripdiscretionaries	function	T colors	
stripping	table	F reset	
T glyphs		F set	
F set		F setlist	
subtypes	data table	F directions	
tail	function	F fontchar	
takeattr	function	T frequencies	
takebox	function	F register	
tasks	table	T pool	
F actions		T nodes	
F appendaction		F rule	
F disableaction		T nuts	
F disablegroup		F rule	
F enableaction		F resetproperties	
F enablegroup		F rule	
F freeze		F setlist	
F freezegroup		F setproperties	
F new		F start	
F prependaction		T steppers	
F removeaction		F check	
F replaceaction		F codes	
F restart		F features	
F setaction		F font	
F showactions		F glyphs	
F table		F message	
tobasepoints	function	F messages	
tocentimeters	function	F nofsteps	
tociceros	function	F register	
todidots	function	F reset	
todimen	function	F start	
toinches	function	F stop	

F stop		N expansion
T transparencies		N fontkern
F reset		N glue
F set		N glyph
F setlist		N hbox
traverse	function	N hglue
traverseid	function	N hkern
typesetters	table	N hpenalty
F hbox		N insert
F hpack		N italic
F tohbox		N kern
F tohpack		N line
F tonodes		N marginkern
F tovbox		N mark
F tovpack		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 enable		N strut
T filters		N user
N hglue		N vbox
N hkern		N vglue
N hpenalty		N vkern
N vglue		N vpenalty
N vkern		N vtop
N vpenalty		N whatsit
F getusedfont		F register
F handler		F setfont
F markfonts		F setlayer
T modes		F setruledglyph
N boundary		F setvisual
N depth		vpack
N dir		whatsitcodes
N discretionary		write
		function
		data table
		function

number (context)

	function		
basepoints	function	tobasepoints	function
bytetodecimal	function	tobitstring	function
compactfloat	function	tocentimeters	function
decimaltobyte	function	toxiceros	function
dimenfactors	data table	tocontext	function
formatted	function	todidots	function
formattedfloat	function	todimen	function
idiv	function	toediths	function
maxdimen	number	toevenhex	function
nopts	function	toinches	function
nubasepoints	function	tomillimeters	function
nupoints	function	tonumberf	function
percent	function	tonumberg	function
points	function	topics	function
pts	function	topoints	function
signed	function	toscaled	function
sparseexponent	function	toscaledpoints	function
splitdimen	function	totoves	function
tol6dot16	function	valid	function

objects (context)

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

optional (context)

curl table

- F escape
- F fetch
- F getversion
- F initialize
- F unescape

foreign table

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

ghostscript table

- F execute
- F initialize

graphicsmagick table

- F execute
- F initialize

hb table

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

imagemagick table

- F execute
- F initialize

kpse table

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

library table

- F load

loaded table

lz4 table

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

lzma table

- F compress
- F decompress
- F initialize

lzo table

- F compress
- F decompresssize
- F initialize

mujs table

- F dofile
- F execute
- F initialize
- F reset
- F setclosefile
- F setconsole
- F setfindfile
- F setopenfile
- F setreadfile
- F setseekfile

mysql table

- F close
- F execute
- F getmessage
- F initialize
- F open

openssl table

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

postgres table

- F close
- F execute

F getmessage

F initialize

F open

sqlite **table**

F close

F execute

F getmessage

F initialize

F open

zint

table

F execute

F initialize

zstd **table**

F compress

F decompress

F initialize

os (basic lua)

__getenv__	function	remove	overloaded function
__setenv__	function	rename	overloaded function
binsuffix	string	resultof	function
binsuffixes	table	runtime	function
bits	number	selfarg	table
clock	function	selfbin	string
converttime	function	selfcore	string
date	overloaded function	selfdir	string
difftime	function	selflink	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	validdatetime	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
extralupath	function	popluapath	function
extralupaths	function	preload	table
helpers	table	pushlibpath	function
libpaths	function	pushluapath	function
loaded	table	searchers	table
loaders	table	searchpath	function

pagebuilders (context)

columnsets table

- F add
- F block
- F check
- F currentcolumn
- F define
- F finishflush
- F flushareas
- F flushcolumn
- F flushrest
- F goto
- F noto
- F prepareflush
- F put
- F registerarea
- F reset
- F setarea

- F sethsize
- F sethspace
- F setlines
- F setproperties
- F setstart
- F setvsize

injections table

- F flushafter
- F flushbefore
- F save

mixedcolumns table

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

pdf (context)

immediateobj function

pdf (extra tex)

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

physics (context)

units table

F registershortcut

F registerunit

D tables

pngdecode (extra tex)

applyfilter function
expand function
interlace function
makemask function

splitmask function
tocmyk function
tomask function

posit (extra lua)

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

F abs		__shl	function
F acos		__shr	function
F asin		__sub	function
F atan		__tostring	function
F band		__unm	function
F bor		abs	function
F bxor		acos	function
F ceil		asin	function
F conj		atan	function
F copy		band	function
F cos		bor	function
F exp		bxor	function
F exp2		ceil	function
F floor		conj	function
F fromposit		copy	function
F integer		cos	function
F log		exp	function
F log10		exp2	function
F log1p		floor	function
F log2		fromposit	function
F logb		integer	function
F max		log	function
F min		log10	function
F modf		log1p	function
F new		log2	function
F pow		logb	function
F rotate		max	function
F round		min	function
F rounded		modf	function
F shift		new	function
F sin		pow	function
F sqrt		rotate	function
F tan		round	function
F tonumber		rounded	function
F toposit		shift	function
F tostring		sin	function
__le	function	sqrt	function
__lt	function	tan	function
__mul	function	tonumber	function
__name	string	toposit	function
__pow	function	tostring	function

potrace (extra tex)

checked	function
concat	function
contourplot	function
convert	function
count	function
flush	function
free	function

getbitmap	function
new	function
process	function
setbitmap	function
stripped	function
totable	function
trace	function

publications (context)

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

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

F load		F json	
F save		F lua	
lastofrange	function	F refman	
lists	table	F registercleaner	
F collectentries		F xml	
F combiinlist		loadreplacementfile	function
F fetchentries		new	function
F filterall		okay	function
F flushcombi		oneorange	function
F flushentry		parenttag	function
F flushtag		permitted	function
T methods		prerollcmdstring	function
F dataset		refman_to_btx	function
F force		resolvedname	function
F global		save	function
F local		savers	table
F nofregistered		F bib	
F prepareentries		F lua	
F register		F xml	
F sameasprevious		search	function
T sorters		setcategory	function
F cite		setspecification	function
F dataset		singularorplural	function
F default		sortedentries	function
F index		sortmethods	table
F list		T 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 nofdatasets		F showentry	
N nofdefinitions		F showfields	
N nofshortcuts		F showhashedauthors	
tables	table	F showtables	
D implicits		F showvariants	
D origins		typesetters	table
D privates		F author	
D sets		F string	
D specials		usedataset	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	findpk	function
cleanedpathlist	function	findtexfile	function
cleaners	data table	findwildcardfile	function
cleanpath	function	findwildcardfiles	function
cleanpathlist	function	formatofsuffix	function
cleanupbinfile	function	formatofvariable	function
concatinators	data table	formats	data table
configbanner	string	foundintree	function
configurationfiles	function	foundintrees	function
dangerous	data table	generators	data table
datastate	function	get_from_content	function
decompressors	table	getenv	function
F register		getextrapaths	function
F unregister		getfilehashes	function
defaultsuffixes	table	gethashes	function
dirstatus	function	getownpath	function
dowithfilesandreport	function	getreadfilename	function
dowithfilesintree	function	hashers	data table
dowithpath	function	homedir	string
dowithvariable	function	ignorelibrary	function
executers	table	initialized	function
expandbraces	function	installinputfilehandler	function
expandedpathfromlist	function	installinputlinehandler	function
expandedpathlist	function	jobpath	function
expandedpathlistfromvariable	function	jobs	table
expandpath	function	F collectstructure	
expandpathfromvariable	function	F currentcomponent	
expansion	function	F currentenvironment	
extendtexmfvariable	function	F currentproduct	
filtered_from_content	function	F currentproject	
find_file	function	F currentstructure	
find_files	function	F justacomponent	
findbinfile	function	F namelist	
findctxfile	function	D processors	
finders	data table	F productcomponent	
findfile	function	F usefile	

joinpath	function	registerfilehash	function
knownvariables	function	registerintrees	function
libraries	table	registermethod	function
F optionalloaded		registerzipfile	function
F validoptional		relations	data table
load	function	renew	function
loadbinfile	function	renewcache	function
loaders	data table	repath	function
loadluaLib	function	reset	function
loadtexfile	function	resetextrapaths	function
loadtime	function	resetresolve	function
locateformat	function	resolve	function
locators	data table	savers	data table
luacnffallback	string	scandata	function
luacnfname	string	scanfiles	function
luacnfspec	string	schemes	table
luacnfstate	string	T cleaners	
macros	table	F md5	
F convertfile		F none	
F decodecomment		F strip	
F enablecomment		F cleanname	
F encodecomment		F fetchstring	
F preprocessed		F fetchtable	
F processmk		F install	
F processmkLx		setdynamic	function
F processmkvi		setenv	function
F version		showpath	function
maxreadlevel	number	simplescanfiles	function
methodhandler	function	splitconfigurationpath	function
openbinfile	function	splitexpansions	function
openers	data table	splitmethod	function
openfile	function	splitpath	function
opentexfile	function	stackpath	function
ownpath	string	starttiming	function
popextrapath	function	stoptiming	function
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

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

sandbox (context)

disablelibraries	function
disablerunners	function
enable	function
filehandlerone	function
filehandlertwo	function
finalizer	function
getrunner	function
initializer	function
iohandler	function
logcalls	function
logfiles	function
original	function
overload	function

possiblepath	function
redefine	function
register	function
registerbinary	function
registerlibrary	function
registerroot	function
registerrunner	function
report	function
setfilenamelogger	function
setlogger	function
setreporter	function
settrace	function
validfilename	function

scripts (context)

autofontfeature table

F disable

F enable

F handler

colors data table

decomposehangul function

defaults table

N inter_char_half_shrink_factor

N inter_char_half_stretch_factor

N inter_char_hangul_penalty

N inter_char_quarter_shrink_factor

N inter_char_quarter_stretch_factor

N inter_char_shrink_factor

N inter_char_stretch_factor

N inter_word_stretch_factor

getdata function

getinjector function

getsplitter function

getstatus function

handlers data table

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

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

sio (extra lua)

read2dot14 function
readbytes function
readbytetable function
readcardinal1 function
readcardinal1le function
readcardinal2 function
readcardinal2le function
readcardinal3 function
readcardinal3le function
readcardinal4 function
readcardinal4le function
readcardinaltable function
readcline function
readcstring function
readfixed2 function
readfixed4 function
readinteger1 function

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

socket (extra lua)

BLOCKSIZE	number	S content-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
sourcec 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 (extra lua)

concat function
get function
max function
min function
new function

range function
restore function
set function
traverse function
wipe function

statistics (context)

benchmarktimer	function	resettiming	function
checkfmtstatus	function	runtime	function
currenttime	function	savefmtstatus	function
elapsed	function	show	function
elapsedindeed	function	showmemory	function
elapsedseconds	function	showusage	function
elapsedtime	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	gettexstate	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
disable function
enable function
flush function
initialize function

push function
start function
stop function
synchronize function

string (basic lua)

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

unquote	function
unquoted	function
upper	function
utfcharacter	function
utfcharacters	function
utfcharacterstable	function
utflength	function
utfpadd	function
utfpadding	function

utfvalue	function
utfvalues	function
utfvaluetable	function
valid	function
voigt	function
voigt_hwhm	function
wordsplitter	function

structures (context)

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

F title
 F touserdata
inserts table
 D data
 F define
 F getdata
 F getlocation
 F getname
 F getnumber
 F setlocation
 F setup
 D stored
itemgroups table
 D collected
 D tobosaved
lists table
 F addto
 F analyze
 B autoreorder
 D cached
 D collected
 F discard
 F enhance
 T enhancers
 F external
 F filter
 F formulnumber
 F getresult
 F groupindex
 F hasnumberdata
 F haspagedata
 F hastitledata
 F integrate
 F iscached
 D kinds
 F label
 F location
 D names
 F number
 D ordered
 F page
 F popnesting
 F prefix
 F prefixednumber

F prefixedpage
 F process
 D pushed
 F pushnesting
 F rawnumber
 F realpage
 F reordered
 T result
 F savedlistnumber
 F savedlistprefixednumber
 F savedlisttitle
 D sectionblocks
 F sectionnumber
 F size
 F title
 D tobosaved
 F use
 F userdata
 F uservalue
marks table
 F number
 F title
notes table
 F check_spacing
 F checkpagechange
 F define
 F doifonsamepageasprevious
 F get
 F getdeltapage
 F getinternal
 F getn
 F getstate
 F hascontent
 F internal
 F internalid
 F listindex
 D numbers
 F ordered
 F postpone
 F resetpostponed
 F restore
 F save
 F setstate
 D states

F store

pages table

F allmarked

F analyze

D collected

F fraction

F in_body

F is_odd

F mark

F marked

F markedlist

N nopages

F number

F on_right

F save

D tobesaved

F toranges

references table

F analyze

F checked

F checkedfile

F checkedfileorurl

F checkedprogram

F checkedrealpage

F checkedurl

D collected

U componentsplitter

F currentmetadata

F currentorder

D currentset

F define

D defined

D derived

F enhance

D executers

F export

T files

 T data

 F define

 F found

 F get

F filter

F filterdefault

D filters

D flaginternals

F from

D functions

F get

F getcurrentmetadata

F getcurrentprefixspec

F getinnermethod

F getinternalcachedlistreference

F getinternallistreference

F getinternalreference

F getoutermethod

D handlers

F identify

F import

F inject

F injectcurrentset

S innermethod

F integrate

D internals

F load

F loadpresets

F mark

S outermethod

F pagefromhash

D pages

U prefixsplitter

D productdata

T programs

 T data

 F define

 F get

F realpageofpage

U referencesplitter

D referred

F referredpage

F registerfinalizer

F registerinitializer

F registerpage

F reset

D runners

F set

F setandgetattribute

F setinternalreference

F setlinkmethod

- F setnextinternal
- F setnextorder
- F setreferencerealpage
- F setstructure
- D specials
- F splitcomponent
- F splitprefix
- F splitreference
- F synchronizepage
- T testrunners
 - F inner
 - F special
 - F special operation
 - F special operation with arguments

T testspecials

- F deltapage
- F i
- F internal
- F page
- F realpage
- F section
- F userpage

D tobereferred

D tobesaved

D tracedpages

T urls

- T data
 - F define
 - F found
 - F get
 - F untext

D usedinternals

D usedviews

F valid

registers

table

- F analyze
- D collected
- F compare
- F define
- F enhance
- F extend
- F filter
- F filtercollected
- F finalize

- F findinternal
- F flush
- F get
- F integrate
- F prepare
- F process
- F setmethod
- F sort
- F store
- D tobesaved
- F tweak
- F unique
- F use
- F userdata

sections

table

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

- T bodypart
- S bookmark
- F set
- F setblock
- F setchecker
- F setentry
- F setinitialblock
- F setlevel
- F setnumber
- F showstructure
- F structuredata
- F title
- D tobesaved
- F typesetnumber
- F userdata
- B verbose

sets table

- F define
- F get
- F getall
- D setlist

specials table

- D collected
- F retrieve
- F store
- D tobesaved

synonyms table

- F analyzed
- D collected
- F compare
- F define
- F enhance
- F filter
- F finalize
- F flush
- F isshown
- F isused
- F meaning
- F pages
- F prepare
- F process
- F register
- F registershown
- F registerused

- F reset
- F resetall
- F resetlist
- F resetshown
- F resetused
- F sort
- F synonym
- D tobesaved

tags table

- T backend
- T checks
 - F marginanchor
 - F margintext
 - F math
 - F mrow
 - F mtable
- T destinationhash
- T extras
 - F adddestination
 - F addimplicit
 - F addinternal
 - F addreference
 - F combination
 - F delimitedsymbol
 - F description
 - F descriptionsymbol
 - F document
 - F float
 - F formulacontent
 - F image
 - F item
 - F itemgroup
 - F link
 - F listitem
 - F mi
 - F msub
 - F msup
 - F paragraph
 - F publication
 - F reference
 - F registerlocation
 - F registerpages
 - F registerseparator
 - F section

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

table (basic lua)

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

tex (basic tex)

amcode	table	fatalerror	function
attribute	table	fillcodes	data table
automigrationcodes	data table	fitnesscodes	data table
autoparagraphcodes	data table	flagcodes	data table
badness	function	fontidentifier	function
boundaries	table	fontname	function
D names		forcehmode	function
D numbers		forceinputstatefile	function
F system		forceinputstateline	function
box	table	fprint	function
boxresources	table	frozenparcodes	data table
F getbox		get	function
F getdimensions		getalignmentcontextvalues	function
F save		getamcode	function
F use		getappendlinecontextvalues	function
breakcodes	data table	getattribute	function
buildcodes	data table	getautomigrationvalues	function
catcode	table	getautoparagraphvalues	function
charactertagcodes	data table	getbox	function
chardef	function	getboxdir	function
classoptioncodes	data table	getboxresourcebox	function
codes	table	getboxresourcebox	function
conditionals	data table	getbreakcontextvalues	function
constants	data table	getbuildcontextvalues	function
count	table	getcardinalvalue	function
cprint	function	getcatcode	function
ctdcatcodes	number	getcharactertagvalues	function
ctxcatcodes	number	getcount	function
definefont	function	getdelcode	function
delcode	table	getdelcodes	function
dimen	table	getdimen	function
dimensiondef	function	getdimensionvalue	function
directioncodes	data table	getdirectionvalues	function
directives	data table	getdiscoptionvalues	function
discoptioncodes	data table	getdiscstatevalues	function
dontcomplain	function	geterrorvalues	function
enableprimitives	function	getfillvalues	function
error	function	getfitnessvalues	function
expandasvalue	function	getflagvalues	function
experiments	data table	getfloat	function
extraprimitives	function	getfontoffamily	function

getfrozenparvalues	function	getmathdir	function
getglue	function	getmathgluevalues	function
getglueoptionvalues	function	getmathoptionvalues	function
getglyphdata	function	getmathparametervalues	function
getglyphoptionvalues	function	getmathstylenamevalues	function
getglyphscales	function	getmathstylevalues	function
getglyphscript	function	getmathsurroundvalues	function
getglyphstate	function	getmathvariantvalues	function
getgroupvalues	function	getmode	function
gethcode	function	getmodevalues	function
gethelptext	function	getmuglue	function
gethcode	function	getmuskip	function
gethyphenationvalues	function	getnest	function
getitypes	function	getnestlevel	function
getinputstatefile	function	getnoadoptionvalues	function
getinputstateline	function	getnormalizelinevalues	function
getinputstatemode	function	getnormalizeparvalues	function
getinsertcontent	function	getoutputactive	function
getinsertdepth	function	getpacktypevalues	function
getinsertdistance	function	getpagecontextvalues	function
getinsertheight	function	getpagestate	function
getinsertlimit	function	getparametermodevalues	function
getinsertmultiplier	function	getparcontextvalues	function
getinsertwidth	function	getpardir	function
getintegervalue	function	getparmodevalues	function
getinteraction	function	getparpassclassvalues	function
getinteractionmodes	function	getparstate	function
getiovalues	function	getpartriggervalue	function
getkerneloptionvalues	function	getpenaltyoptionvalues	function
getlargestusedmark	function	getpositvalue	function
getlcode	function	getprepoststatevalues	function
getlinedir	function	getprimitiveorigins	function
getlist	function	getprotrusionboundaryvalues	function
getlistanchorvalues	function	getregisterindex	function
getlistgeometryvalues	function	getrunstatevalues	function
getlistsigvalues	function	getsfcode	function
getlocalbox	function	getshapingpenaltiesvalues	function
getlocallevel	function	getskip	function
getmark	function	getspecialmathclassvalues	function
getmath	function	gettextcontrolvalues	function
getmathclassoptionvalues	function	gettextdir	function
getmathcode	function	gettoks	function
getmathcodes	function	getuocode	function
getmathcontrolvalues	function	getunitclassvalues	function

glue	table	N defaultspacefactor
glueoptioncodes	data table	N defaulttolerance
glyphoptioncodes	data table	N deplorable
groupcodes	data table	N ejectpenalty
hashtokens	function	N ignoredepth
hccode	table	N infinitebad
hmcode	table	N infinitepenalty
hshcatcodes	number	N infinity
hyphenationcodes	data table	N largewidthexcess
ifs	data table	N loosecriterion
inimatcodes	number	N mathbeginclass
integerdef	function	N mathdefaultpenalty
interactioncodes	data table	N mathendclass
isattribute	function	N maxattributeregisterindex
isbox	function	N maxboxregisterindex
iscount	function	N maxbytecodeindex
isdefined	function	N maxcalculatedbadness
isdimen	function	N maxcardinal
isfloat	function	N maxcategorycode
isglue	function	N maxcharactercode
ismuglue	function	N maxdatavalue
ismuskip	function	N maxdimen
isprintable	function	N maxdimenregisterindex
isskip	function	N maxdimension
istoks	function	N maxdimensionregisterindex
lastnodetype	function	N maxendlinecharacter
lccode	table	N maxfloatregisterindex
linebreak	function	N maxfontadjustshrinkfactor
listanchorcodes	data table	N maxfontadjuststep
listgeometrycodes	data table	N maxfontadjuststretchfactor
lists	table	N maxfunctionreference
listsigncodes	data table	N maxglueregisterindex
luacatcodes	number	N maxhalfvalue
magicconstants	table	N maxhalfword
N assumedmathcontrol		N maxinteger
N awfulbad		N maxintegerregisterindex
N decentcriterion		N maxintregisterindex
N defaultcatcodetable		N maxlimitedscale
N defaultdeadcycles		N maxmarkindex
N defaulteqnogapstep		N maxmathclasscode
N defaulthangafter		N maxmathfamilyindex
N defaultoutputbox		N maxmathscalingfactor
N defaultpredisplaygap		N maxmathstylescale
N defaulttrule		N maxmuglueregisterindex

N maxnewlinecharacter		mathcontrolcodes	data table
N maxnofbytecodes		mathoptioncodes	data table
N maxnofcatcodetables		mathparametercodes	data table
N maxnoffonts		modelevels	table
N maxnoflanguages		N horizontal	
N maxnofmarks		N math	
N maxnofmathfamilies		N unset	
N maxquarterword		N vertical	
N maxscalefactor		modes	data table
N maxsizeofword		mprint	function
N maxspacefactor		muglue	table
N maxtoksregisterindex		muskip	table
N mincardinal		nest	table
N mindatavalue		nilcatcodes	number
N mindimen		noadoptioncodes	data table
N mindimension		normalizelinecodes	data table
N minhalfword		normalizeparcodes	data table
N mininfinity		notcatcodes	number
N mininteger		number	function
N minquarterword		parcontextcodes	data table
N minscalefactor		parpassclasscodes	data table
N minspacefactor		partriggercodes	data table
N nocatcodetable		penaltyoptioncodes	data table
N null		poplocal	function
N nullflag		popsavelevel	function
N nullfont		posit	table
N onebp		positdef	function
N presetrulethickness		preparelinebreak	function
N runningrule		primitives	function
N smallstretchability		print	function
N texeqtbsize		protrusionboundarycodes	data table
N texhashprime		prtcatcodes	number
N texhashsize		pushlocal	function
N two		pushsavelevel	function
N undefinedmathparameter		quitlocal	function
N unity		quittoks	function
N unusedattributevalue		resetparagraph	function
N unusedmathfamily		rlncatcodes	number
N unusedmathstyle		romannumeral	function
N unusedscriptvalue		round	function
N unusedstatevalue		runlocal	function
N zeroglue		runstring	function
mathchardef	function	runtoks	function
mathcode	table	saveboxresource	function

scale	function	setpositvalue	function
scantoks	function	setrunstate	overloaded functi
set	function	setsfcode	function
setamcode	function	setskip	function
setattribute	function	settexmdir	function
setbox	function	settoks	function
setboxdir	function	setuccode	function
setcardinalvalue	function	sfcode	table
setcatcode	function	shapingpenaltiescodes	data table
setcount	function	shiftparshape	function
setdelcode	function	shipout	function
setdimen	function	showcontext	function
setdimensionvalue	function	skip	table
setfloat	function	snapshotpar	function
setglue	function	sp	function
setglyphdata	function	specialmathclasscodes	data table
setglyphscript	function	splitbox	function
setglyphstate	function	sprint	function
sethccode	function	stringtocodesbitmap	function
sethmcode	function	systemmodes	data table
setinputstatefile	function	takebox	function
setinputstateline	function	textcatcodes	number
setinputstatemode	function	textcontrolcodes	data table
setinsertcontent	function	toks	table
setinsertdistance	function	tonumber	function
setinsertlimit	function	toscaled	function
setinsertmultiplier	function	tpacatcodes	number
setintegervalue	function	tpbcacodes	number
setinteraction	function	tprint	function
setlcode	function	trackers	data table
setlinedir	function	triggerbuildpage	function
setlist	function	txtcatcodes	number
setlocalbox	function	uccode	table
setmath	function	uprint	function
setmathcode	function	useboxresource	function
setmathdir	function	userdiscoptioncodes	data table
setmuglue	function	userglyhoptioncodes	data table
setmuskip	function	vrbcacodes	number
setnest	function	write	function
setpaddir	function		

texconfig (basic tex)

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

texio (basic tex)

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

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

token (basic tex)

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

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

<code>set_char</code>	function	<code>setmacro</code>	function
<code>set_dimension</code>	function	<code>skip_next</code>	function
<code>set_integer</code>	function	<code>skip_next_expanded</code>	function
<code>set_lua</code>	function	<code>skipnext</code>	function
<code>set_macro</code>	function	<code>skipnextexpanded</code>	function
<code>setchar</code>	function	<code>type</code>	function
<code>setdimension</code>	function	<code>undefine_macro</code>	function
<code>setinteger</code>	function	<code>undefinemacro</code>	function
<code>setlua</code>	function		

tokens (context)

accessors table

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

astable function

bits table

N active
N alignment
N begingroup
N character
N close
N comment
N endgroup
N endofline
N escape
N ignore
N invalid
N letter
N mathshift
N open
N other
N parameter
N space
N subscript
N superscript
N whitespace

cache data table

commands data table

compile function

constant function

converters table

S toboolean

S todimen

S toglue

S tonumber

S tostring

create function

defined function

flags function

getinteger function

getters table

F box

F count

F cstoken

F dimen

F glue

F macro

F meaning

F skip

F token

gobble function

isdefined function

istoken function

new function

pickup function

popmacro function

presets table

T 1 argument

T 1 integer

T 1 optional

T 1 string

T 2 arguments

T 2 integers

T 2 optionals

T 2 strings

T 3 arguments

T 3 integers

T 3 optionals

T 3 strings

T 4 arguments

T 4 integers

T 4 optionals

T 4 strings

T 5 strings

T 6 strings

T 7 strings

T 8 strings

pushmacro function

scanners table

F argument

F argumentasis

F array

F boolean

F box

F bracketed

F bracketedasis

F cardinal

F char

F cmdchr

F cmdchrexploded

F code

F conditional

F count

F csname

F csnameunchecked

F delimited

F detokened

F dimen

F dimenargument

F dimension

F float

F glue

F gluespec

F gluevalues

F hash

F hbox

F integer

F integerargument

F ischar

F key

F keyword

F keywordcs

F letters

F list

F luacardinal

F luainteger

F luanumber

F lxmId

F next

F nextchar

F nextexpanded

F number

F optional

F peek

F peekchar

F peekexpanded

F posit

F real

F scanclose

F scanopen

F skip

F skipexpanded

F string

F table

F token

F tokencode

F tokenlist

F tokens

F tokenstring

F toks

F value

F vbox

F verbatim

F vtop

F whd

F word

setinteger function

setters table

F box

F char

F count

F dimen

F glue

F lua

F macro

F skip

shortcuts table

T bits

N active

N alignment

N begingroup

N character	F scanhbox
N close	F scaninteger
N comment	F scanintegerargument
N endgroup	F scankeyword
N endofline	F scankeywordcs
N escape	F scanletters
N ignore	F scanlist
N invalid	T scanners
N letter	F argument
N mathshift	F argumentasis
N open	F array
N other	F boolean
N parameter	F box
N space	F bracketed
N subscript	F bracketedasis
N superscript	F cardinal
N whitespace	F char
N close	F cmdchr
F inspect	F cmdchrexpanded
N open	F code
F report	F conditional
F scanargument	F count
F scanargumentasis	F csname
F scanarray	F csnameunchecked
F scanboolean	F delimited
F scanbox	F detokened
F scanbracketed	F dimen
F scanbracketedasis	F dimenargument
F scancardinal	F dimension
F scanclose	F float
F scancode	F glue
F scanconditional	F gluespec
F scancsname	F gluevalues
F scancsnameunchecked	F hash
F scandelimited	F hbox
F scandetokened	F integer
F scandimen	F integerargument
F scandimenargument	F ischar
F scandimension	F key
F scanfloat	F keyword
F scanglue	F keywordcs
F scangluespec	F letters
F scangluevalues	F list
F scanhash	F luacardinal

F luainteger	F todimen
F luanumber	T tokens
F lxmlid	T accessors
F next	F active
F nextchar	F cmd
F nextexpanded	F cmdchrsc
F number	F cmdname
F optional	F command
F peek	F csname
F peekchar	F expandable
F peekexpanded	F frozen
F posit	F index
F real	F name
F scanclose	F protected
F scanopen	F range
F skip	F astable
F skipexpanded	D cache
F string	D commands
F table	F compile
F token	F constant
F tokencode	T converters
F tokenlist	S toboolean
F tokens	S todimen
F tokenstring	S toglue
F toks	S tonumber
F value	S toString
F vbox	F create
F verbatim	F defined
F vtop	F flags
F whd	F getinteger
F word	T getters
F scannumber	F box
F scanopen	F count
F scanoptional	F cstoken
F scanstring	F dimen
F scantable	F glue
F scantokenlist	F macro
F scantokenstring	F meaning
F scantoks	F skip
F scanvbox	F token
F scanverbatim	F gobble
F scanvtop	F isdefined
F scanword	F istoken
F toboolean	F new

F pickup	F scandimenargument
F popmacro	F scandimension
T presets	F scanfloat
F pushmacro	F scanglue
F setinteger	F scangluespec
T setters	F scangluevalues
F box	F scanhash
F char	F scanhbox
F count	F scaninteger
F dimen	F scanintegerargument
F glue	F scankeyword
F lua	F scankeywordcs
F macro	F scanletters
F skip	F scanlist
T shortcuts	F scannumber
N close	F scanopen
F inspect	F scanoptional
N open	F scanstring
F report	F scantable
F scanargument	F scantokenlist
F scanargumentasis	F scantokenstring
F scanarray	F scantoks
F scanboolean	F scanvbox
F scanbox	F scanverbatim
F scanbracketed	F scanvtop
F scanbracketedasis	F scanword
F scancardinal	F toboolean
F scanclose	F todimen
F scancode	F tonumber
F scanconditional	F tostring
F scanscname	D values
F scanscnameunchecked	F tonumber
F scandelimited	F tostring
F scandetokened	values data table
F scandimen	

tracers (context)

printerror function
printwarning function

showlines function

trackers (context)

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

typesetters (context)

alignments	table		F getmethod
breakpoints	table		F handler
			T handlers
			F installhandler
			F set
			F setcolor
			F tomode
		firstlines	table
			T actions
			F default
			F line
			F word
			F handler
			F set
cases	table	fontkerns	table
			F handler
		initials	table
			T actions
			F default
			F handler
			F set
characteralign	table	injectors	table
			F check
			T list
			F mark
			F reset
			F set
			F show
characters	table	italics	table
			F enablemath
			F enabletext
			F handler
checkers	table	kerns	table
			D factors
			F handler
			F keepligature
			D mapping
			F set
cleaners	table	localboxes	table
			F handler
		manipulators	table
corrections	table		
digits	table		
directions	table		

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

updaters (context)

apply function
register function

url (context)

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

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

utf8 (basic lua)

char function
charpattern string
codepoint function

codes function
len function
offset function

utilities (context)

debugger table

- F disable
- F enable
- F savestats
- F showstats
- F showtraceback

files table

- F close
- F getposition
- F getsize
- F look
- F open
- F read2dot14
- F readbyte
- F readbytes
- F readbytetable
- F readcardinal
- F readcardinal1
- F readcardinal11e
- F readcardinal2
- F readcardinal21e
- F readcardinal3
- F readcardinal31e
- F readcardinal4
- F readcardinal41e
- F readcardinaltable
- F readchar
- F readcline
- F readcstring
- F readfixed2
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger11e
- F readinteger2
- F readinteger21e
- F readinteger3
- F readinteger31e
- F readinteger4
- F readinteger41e
- F readintegertable

- F readsignedbyte
- F readstring
- F readtag
- F setposition
- F size
- F skip
- F skiplong
- F skipposition
- F skipshort
- F writebyte
- F writecardinal1
- F writecardinal11e
- F writecardinal2
- F writecardinal21e
- F writecardinal3
- F writecardinal31e
- F writecardinal4
- F writecardinal41e
- F writeinteger1
- F writeinteger11e
- F writeinteger2
- F writeinteger21e
- F writeinteger3
- F writeinteger31e
- F writeinteger4
- F writeinteger41e
- F writestring

formatters table

- F formatcolumns
- F list
- F stripzeros

ghostscript table

- F convert
- F statistics

graphicmagick table

- F convert
- F statistics

graphicsmagick table

- F convert
- F statistics

lua table

B	alwaysstripcode	B	auto
F	checkmemory	B	broad
F	compile	B	fit
F	loadedluacode	B	max
F	loadstring	B	min
F	loadstripped	T	text,hidden,paper,page,leftpage,rightpage
N	nofstrippedbytes	B	hidden
N	nofstrippedchunks	B	leftpage
F	registerfinalizer	B	page
B	stripcode	B	paper
T	strippedchunks	B	rightpage
F	strippedloadstring	B	text
T	suffixes	F	iterator
S	lmt	F	keq_to_hash
S	lua	F	listitem
S	luc	F	make_settings_to_hash_pattern
S	lui	F	mergehashes
S	luj	F	options_to_array
S	luv	F	options_to_hash
S	tma	T	patterns
S	tmc	U	settings_to_array
S	tua	U	settings_to_hash_a
S	tuc	U	settings_to_hash_b

packers table

F	hashed	U	settings_to_hash_c
F	new	U	settings_to_hash_d
F	pack	U	unittotex
F	simplehashed	F	process_stripped_settings
F	strip	F	rfc4180splitter
F	unpack	F	runtime
N	version	F	settings_to_array

parsers table

F	add_settings_to_array	F	settings_to_array_obey_fences
F	arguments_to_table	F	settings_to_array_with_repeat
F	array_to_string	F	settings_to_hash
F	csvsplitter	F	settings_to_hash_colon_too
F	getparameters	F	settings_to_hash_strict
F	groupedsplitat	F	settings_to_hash_tolerant
F	hash_to_string	F	settings_to_numbers
T	hashes	F	settings_to_set
T	settings_to_list	F	simple_hash_to_string
T	tablet	F	splitmethod
T	settings_to_set	F	splitthousands
T	min,max,fit,broad,auto	F	stepper
		F	stripped_settings_to_array
		F	totime

F unittotex
 F unittoxml
randomizer table
 F get
 F getnumber
 F getrepeatable
 F getrepeatableseed
 F getseed
 F newrepeatable
 F popseed
 F pushseed
 F repeatable
 F reuseseed
 F setseed
 F setseedi
randomizers table
 F poisson
sequencers table
 F appendaction
 F appendgroup
 F compile
 F disableaction
 F disablegroup
 F enableaction
 F enablegroup
 D functions
 F localize
 F new
 F nodeprocessor
 F prependaction
 F prependgroup
 F removeaction
 F replaceaction
 F setkind
 F tostring
setters table
 F disable
 F enable
 F initialize
 F list
 F new
 F register
 F report
 F reset

F show
stacker table
 F new
storage table
 F allocate
 F checked
 F mark
 F marked
 F setinitializer
 F sparse
streams table
 F close
 F getposition
 F getsize
 F getstring
 F look
 F open
 F openstring
 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
 F readsignedbyte
 F readstring
 F setposition
 F size
 F skip
 F skipbytes
 F skiplong
 F skipshort
 F tocardinal1
 F tocardinal1le
 F tocardinal2
 F tocardinal2le
 F tocardinal3
 F tocardinal3le
 F tocardinal4
 F tocardinal4le
strings table
 F collapse
 F collapsecrlf
 T formatters
 F add
 F new
 F newcollector
 F newrepeater
 F nice
 T striplinepatterns
 U collapse
 U collapse all
 U prune
 U prune and collapse
 U prune and no empty
 U prune and to space
 U retain
 U retain and collapse
 U retain and no empty
 F striplines
 F striplong
 F tabtospace
 T tracers
tables table
 F accesstable

F definedtable
 F definetable
 F encapsulate
 F insertaftervalue
 F insertbeforevalue
 F migratetable
 F removevalue
 F replacevalue
tar table
 T archives
 F closearchive
 T files
 F fetch
 F hash
 F list
 F pack
 F unpack
 F openarchive
 T registeredfiles
 T streams
 F fetch
 F hash
 F list
 F pack
 F unpack
 T strings
 F fetch
 F hash
 F list
 F pack
 F unpack
templates table
 F load
 F replace
 F replacer
 F resolve
zipfiles table
 F close
 F found
 F hash
 F list
 F open
 F unzip

F unzipdir

F zipdir

visualizers (context)

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

xcomplex (extra lua)

I	function	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		__mul	function
F sinh		__name	string

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

xdecimal (extra lua)

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

xmath (extra lua)

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

xml (context)

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

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

include	function	F unknown_dec_entity	
inclusion	function	F unknown_hex_entity	
inclusions	function		popmatch function
index	function		position function
inheritattributes	function		privatecodes data 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		registers function
insertafter	function		reindex function
insertbefore	function		remap_name function
insertcdata	function		remap_namespace function
insertcomment	function		remap_tag function
inspect	function		remapname function
is_valid	function		remapnamespace function
kind	function		remaptag function
last	function		rename function
lastmatch	function		renamespace function
load	function		reparsedentitylpeg userdata
lpath	function		replace function
lpathcached	function		replace_element function
lpathcalls	function		resetinjectors function
lshow	function		resolvens function
makestandalone	function		root function
match	function		save function
name	function		selection function
newhandlers	function		separate function
nodesettostring	function		serialize function
originalload	function		serializetotext function
package	function		setcdata function
parent	function		setcomment function
parsedentitylpeg	userdata		sethandlersfunction function
pihandlers	table		setinjectors function
F injector			setproperty function
F tex			settings function
placeholders	table		specialcodes data table
F unknown_any_entity			specialhandler table

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

xzip (extra lua)

adler32 function
compress function
compresssize function

crc32 function
decompress function
decompresssize function

zip (context)

archives

table

closearchive

function

openarchive

function

registeredfiles

table

zlib (context)

adler32 function
compress function
compresssize function

crc32 function
decompress function
decompresssize function