MP aes attributes backends basexx bit32 blobs boolean buffers builders caches 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 in job kpse languages layouts lfs libraries lmx loaders logs lpdf lpeg lua luac luatex lxml math mathematics md5 metapost mime moduledata modules mp mplib noads mode nodes number objects optional os package pagebuilders parametersets pdf pdfdecode pdfe physics pngdecode posit potrace publications regimes resolvers sandbox scripts set sha2 sio socket sorters sparse statistics status storage streams string structures table texconditionals texconfig texconstants texifs texisdefined texmodes texsystemmodes thirddata token tokens tracers trackers typesetters updaters url userdata utf8 utilities visualizers xcomplex xdecimal xmath xml xzip zip zlib

ConT_FXt LMTX

global (alias: _G)

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

lfs	table	pngdecode	table
libraries	table	popleaderlevel	function
lmx	table	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
pdfe	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	F	formatcolor
N attribute		F	formatgray
D data		F	formatluminance
F enable		F	formatluminanceratio
F handler		F	getpagecolormodel
F register		F	gray
D registered		F	graytohsv
D values		F	handler
applyoverloads	function	Т	helpers
checkvalues	function		F complement
colorintents	table		F inbetween
N attribute			F justone
D data		F	hsvtogray
F enable		F	hsvtorgb
F handler		F	hwbtorgb
F register		F	iccprofile
D registered		F	isblack
colors	table	F	labtolch
N attribute		F	labtorgb
F cmyk		F	labtoxyz
F cmyktogray		F	lchtolab
F cmyktorgb		F	lchtorgb
F colorcomponent	S	N	main
D counts		S	model
B couple		D	models
F currentmodel		F	mpcolor
F currentnamedmo	del	F	mpnamedcolor
D data		F	mpoptions
N default		F	namedcolorattributes
F defineintermed	iatecolor	N	none
F definemultiton	ecolor	F	popset
F defineprocesso	olor	F	${\tt processcolor components}$
F defineprocesso	olordirect	F	pushset
F definesimplegr	ay	F	register
F definespotcolo	r	D	registered
F definetranspar	ency	F	registerspotcolor
F enable		F	rgb
F filter		F	rgbtocmyk
N forced		F	rgbtogray
F forcedmodel		F	rgbtohsv
F forcesupport		F	rgbtoxyz

N selector		D re	egistered	
F setlist		F se	et	
F setmodel		number	·s	data table
F setpagecolormo	odel	ofnode)	function
D sets		privat	:e	function
F spec		public	:	function
F spot		regist	ervalue	function
F spotcolorname		restor	·e	function
F spotcolorparer	nt	save		function
F spotcolorvalue	2	setcle	eaner	function
B supported		showcu	ırrent	function
F toattributes		states	;	table
F transparencyco	omponents	F di	.sabletrigger	ing
B triggering		F en	abletriggeri	ng
F usecolors		F fi	.nalize	
D valid		Fin	itialize	
F value		F pr	ocess	
D values		F se	elective	
B weightgray		F si	mple.	
F xyztolab		F st	acked	
F xyztorgb		F st	acker	
counts	data table	system	1	function
define	function		loads	function
define effects	function table		loads parencies	function table
		transp		
effects		transp	arencies tribute	
effects N attribute		transp N at D da	arencies tribute	
effects N attribute D data		transp N at D da F en F fo	carencies etribute uta mable procesupport	
effects N attribute D data F enable		transp N at D da F en F fo	parencies tribute ata	
effects N attribute D data F enable F handler F register D registered		transp N at D da F en F fo	carencies etribute eta mable ercesupport	
effects N attribute D data F enable F handler F register D registered D values	table	transp N at D da F en F fo F ha T na	carencies etribute eta mable ercesupport	
effects N attribute D data F enable F handler F register D registered D values getvalue	table	transp N at D da F en F fo F ha T na N	parencies etribute eta mable ercesupport endler emes color	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues	table function function	transp N at D da F en F fo F ha T na N N	parencies etribute eta mable ercesupport endler emes color colorburn colordodge	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers	function function table	transp N at D da F en F fo F ha T na N N N N	parencies etribute eta mable ercesupport endler emes color colorburn colordodge darken	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers hasvalues	function function table function	transp N at D da F en F fo F ha T na N N N N	parencies attribute ata able arcesupport andler ames color colorburn colordodge darken difference	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers hasvalues list	function function table function data table	transp N at D da F en F fo F ha T na N N N N N N	parencies etribute eta enable ercesupport endler emes color colorburn colordodge darken difference exclusion	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers hasvalues list markasoverload	function function table function data table function	transp N at D da F en F fo F ha T na N N N N N N N N	parencies etribute eta enable ercesupport endler emes color colorburn colordodge darken difference exclusion hardlight	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers hasvalues list markasoverload names	function function table function data table function data table	transp N at D da F en F fo F ha T na N N N N N N N N N N	parencies etribute eta mable ercesupport endler emes color colorburn colordodge darken difference exclusion hardlight hue	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers hasvalues list markasoverload names negatives	function function table function data table function	transp N at D da F en F fo F ha T na N N N N N N N N N N N N N N N N N N N	parencies attribute ata abble arcesupport andler ames color colorburn colordodge darken difference exclusion hardlight hue lighten	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers hasvalues list markasoverload names negatives N attribute	function function table function data table function data table	transp N at D da F en F fo F ha T na N 6 N 6 N 7 N 7 N 8 N 8	parencies ctribute cta cable corcesupport colorburn colordodge darken difference exclusion hardlight hue lighten luminosity	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers hasvalues list markasoverload names negatives N attribute D data	function function table function data table function data table	transp N at D da F en F fo F ha T na N e N e N e N e N e N e N e N e N e N e	parencies ctribute cta cable crcesupport color colorburn colordodge darken difference exclusion hardlight hue lighten luminosity multiply	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers hasvalues list markasoverload names negatives N attribute D data F enable	function function table function data table function data table	transp N at D da F en F fo F ha T na N N N N N N N N N N N N N N N N N N N	parencies etribute eta eta eta eta eta eta eta eta eta e	
effects N attribute D data F enable F handler F register D registered D values getvalue getvalues handlers hasvalues list markasoverload names negatives N attribute D data	function function table function data table function data table	transp N at D da F en F fo F ha T na N N N N N N N N N N N N N N N N N N N	parencies ctribute cta cable crcesupport color colorburn colordodge darken difference exclusion hardlight hue lighten luminosity multiply	

N saturation
N screen
N softlight
N none
F register
D registered
B supported
F toattribute

N attribute
F cleanup
D data
F define

B triggering

F value

D values

 ${\sf F} \ {\sf defined layout component}$

F enable

F forcesupport

F handler

B hasorder

D listwise

F register

D registered

F resolve_begin

F resolve end

F resolve reset

F resolve_step

D scopes

F setfeatures

F setup

F start

F stop

B supported

D values

backends (context)

F addbookmarks

closeout function F analyzenormalsymbol codeinjections table F analyzesymbol F registerboxresource F attachmentid F registerfont F bitmap F restoreboxresource F clonefield current strina F copyimage defaults table F defaultprofile F definefield T codeinjections F definefieldset F prerollreference F setautoprefix F defineviewerlayer F vfstartcolor F embedfile F vfstopcolor F embedimage T nodeinjections F enabletags F cmvkcolor F exportformdata F destination F fieldsurrounding F gravcolor F flushmergelayer F injectknockout F getbookmarks F injectoverprint F getboxresourcebox F reference F getdefaultfieldvalue F getfieldcategory F rqbcolor 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 function openout F png registered table F prerollreference T pdf F presetsymbol T codeinjections F presetsymbollist

F processrendering

F reducetaas 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 destination F ruleactionbox F ruleactiondraw F effect F ruleactionfill F getboxresourcedimensions F ruleactionmp F graycolor F ruleactionstroke F injectbitmap F saveboxresource F insertu3d F knockout F scanimage 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 startlaver F setformsmethod F startstackedlayer F setpagetransition F stopalternate F settaggingsupport F stoplayer F setupviewerlayer F stopstackedlayer F setxmpfile F transparency F startlayer F typesetfield E 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 useviewerlaver F rgbindexcolor F validcompactor F rgbspotcolor F validfield F spotcolorname

F transparency

T tables

F validfieldcategory

F validfieldset

registrations table
setencryption function
tables table

writeout

function

basexx (extra lua)

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

bit32 (context)

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

blobs (context)

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

boolean (context)

tocontext function
tonumber function

buffers (context)

append	function	parallel	table
assign	function	F define	
collectcontent	function	F hassomecontent	
empty	function	F next	
erase	function	F place	
exists	function	F reset	
get	function	F save	
getcontent	function	prepend	function
getctxlua	function	raw	function
getlines	function	run	function
getmkvi	function	samplefile	function
gettex	function	splitsamplefile	function
loadcontent	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 mlisttohlist		F getrivers	
<pre>local_box_filter</pre>	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		registerpaspasscallback	function
T methods		vpack	table
F basic		F qualityactions	
F default		F report	
F hpack		vspacing	table
•			
F oneline		D categories	
F oneline D names		D categories F checkstrutdepth	
		·	
D names		F checkstrutdepth	
D names D numbers		F checkstrutdepth F collapsevbox	
D names D numbers F set		F checkstrutdepth F collapsevbox T data	
D names D numbers F set F start		F checkstrutdepth F collapsevbox T data D map	
D names D numbers F set F start F stop		F checkstrutdepth F collapsevbox T data D map D skip	
D names D numbers F set F start F stop T expansion		F checkstrutdepth F collapsevbox T data D map D skip D snapmethods	
D names D numbers F set F start F stop T expansion F trace		F checkstrutdepth F collapsevbox T data D map D skip D snapmethods F definesnapmethod	
D names D numbers F set F start F stop T expansion F trace F keeptogether		F checkstrutdepth F collapsevbox T data D map D skip D snapmethods F definesnapmethod B fixed	
D names D numbers F set F start F stop T expansion F trace F keeptogether F registertogether		F checkstrutdepth F collapsevbox T data D map D skip D snapmethods F definesnapmethod B fixed F flushcontributions	
D names D numbers F set F start F stop T expansion F trace F keeptogether F registertogether T solutions		F checkstrutdepth F collapsevbox T data D map D skip D snapmethods F definesnapmethod B fixed F flushcontributions F forcepageflush	
D names D numbers F set F start F stop T expansion F trace F keeptogether F registertogether T solutions T splitters		F checkstrutdepth F collapsevbox T data D map D skip D snapmethods F definesnapmethod B fixed F flushcontributions F forcepageflush F forcestrutdepth	
D names D numbers F set F start F stop T expansion F trace F keeptogether F registertogether T solutions T splitters F define		F checkstrutdepth F collapsevbox T data D map D skip D snapmethods F definesnapmethod B fixed F flushcontributions F forcepageflush F forcestrutdepth F getnofpreviouslines	
D names D numbers F set F start F stop T expansion F trace F keeptogether F registertogether T solutions T splitters F define F optimize		F checkstrutdepth F collapsevbox T data D map D skip D snapmethods F definesnapmethod B fixed F flushcontributions F forcepageflush F forcestrutdepth F getnofpreviouslines F inject	

F interceptsamepagecontent F setskip
F pagehandler F pageoverflow F synchronizepage
F popatsame F tocategories
F pushatsame F tocategory

F vboxhandler

F setmap

caches (context)

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

callback (basic tex)

find function
known function
list function

register overloaded function
usage function

callbacks (context)

freeze function B ligaturing functions table B linebreak filter F start page number B linebreak quality F stop page number B local box filter function known B make extensible list data table B math rule pop function B missing character push function B mlist to hlist function register B open data file function report B packed vbox filter supported table B paragraph context B alignment_filter B paragraph pass B append line filter B post linebreak filter B append to vlist filter B pre dump B begin paragraph B pre linebreak filter B buildpage_filter B pre_output_filter B define font B process character B process jobname B find format file B find log file B quality font B get attribute B register extensible B get math dictionary B show break B get noad class B show build B glyph run B show error message B handle overload B show lua call B handle uleader B show warning message B hpack_filter B show whatsit B hpack quality B start file B hyphenate B start run B insert distance B stop file B insert par B stop run B intercept lua error B trace memory B intercept tex error B vpack filter B italic correction B vpack quality B kerning B wrapup run

catcodes (context)

 register function

characters (context)

addcharacternames	function	T often postsonint	
adobename	function	T after_postscript	
bidi	data table	T after_subscript	
	function	T anudatta	
blockrange blocks	data table	T before_half	
		T before_main	
can_have_space	data table table	T before_postscript	
casemap	data table	T before_subscript	
categories		T below_mark	
category	function data table	T consonant	
categorytags classifiers	table	T dependent_vowel	
		T halant	
collapsed	data table	T independent_vowel	
combined	data table	T nukta	
contextname	function	T post_mark 	
csletters	data table data table	T pre_mark -	
data		T ra	
decomposed	data table	T stress_tone_mark	
description	function	T twopart_mark	
descriptions	data table	T vowel_modifier	£
detailtags directions	data table	initialize	function
	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	function	is_mark	data table
emojized enccodes	function	is_punctuation	data table
enccodes entities	data table data table	is_spacing	data table
		is_symbol	data table
fallbacks filters	data table data table	lcchars lccode	data table function
fractions		lccodes	data table
fractions	table 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

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

chemistry (context)

component	function
define	function
definitions	data table
format	string
inlinechemical	function
instance	string

method string
molecule function
moleculeparser userdata
start function
stop function
undefine function

containers (context)

cleanname	function	is_valid	function
content	function	read	function
define	function	usecache	boolean
is_usable	function	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 function function function table F translate weekday word

words

function function function

D data

coroutine (basic lua)

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

ctxrunner (context)

load function prepfiles data table
preparedfile function resolve function

debug (basic lua)

getinfo function
sethook function

traceback function

dir (context)

collectpattern	function	globfiles	function
current	function	globpattern	function
expandlink	function	ls	function
expandname	function	makedirs	function
found	function	mkdirs	function
glob	function	pop	function
globdirs	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 files functions getargument getfilename options data table table table function function table

T commandline

D environments

D modes

D modules T ctxfile

D environments

D modes

D modules

pdf add cidsets function pdf identify content function pdf strip content function pdf_strip_page function setargument function function setcommandline function setdefaultargument 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 popleaderleve	l	T whatsit
F pushleaderlev	el	S name
T whatsit		T lua
S name		T actions
T js		F cleanup
T js T actions		F cleanup F convert
•		•
T actions		F convert
T actions F cleanup		F convert F finalize
T actions F cleanup F convert		F convert F finalize F initialize
T actions F cleanup F convert F finalize	e	F convert F finalize F initialize F outputfilename
T actions F cleanup F convert F finalize F initialize	е	F convert F finalize F initialize F outputfilename F prepare
T actions F cleanup F convert F finalize F initialize F outputfilenam	е	F convert F finalize F initialize F outputfilename F prepare F wrapup
T actions F cleanup F convert F finalize F initialize F outputfilenam F prepare	e	F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers
T actions F cleanup F convert F finalize F initialize F outputfilenam F prepare F wrapup	e	F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers F character
T actions F cleanup F convert F finalize F initialize F outputfilenam F prepare F wrapup T flushers		F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers F character F popleaderlevel
T actions F cleanup F convert F finalize F initialize F outputfilenam F prepare F wrapup T flushers F character	ι	F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers F character F popleaderlevel F pushleaderlevel
T actions F cleanup F convert F finalize F initialize F outputfilenam F prepare F wrapup T flushers F character F popleaderleve	ι	F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers F character F popleaderlevel F pushleaderlevel F rule
T actions F cleanup F convert F finalize F initialize F outputfilenam F prepare F wrapup T flushers F character F popleaderleve F pushleaderleve	ι	F convert F finalize F initialize F outputfilename F prepare F wrapup T flushers F character F popleaderlevel F rule F simplerule

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 flushimage F simplerule F fontchar F specialrule F aroup 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 **lmtxversion** number T whatsit outputfilename function S name 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	useluamodule	function
loadexamodes	function	usemodules	function
loadluafile	function	validengines	data table
luafile	function	version	string

experiments (context)

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

figures (context)

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

resources	data table
scale	function
set	function
setconversion	function
setlookups	function

setorder
setpaths
suffixes
used

function		
function		
data	table	
data	table	

file (basic lua)

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

fio (extra lua)

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

floats (context)

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

font (basic tex)

addcharacters	function	getmathspec	function
addquality	function	id	function
current	function	max	function
define	function	nextid	function
getfont	function	setfont	function
getfontdimen	function	setfontdimen	function
getfontspec	function	xscaled	function
getmathindex	function	yscaled	function

fonts (context)

analyzers	table	E hafaranassingfanttatav
D features	tabte	F beforepassingfonttotex D cache
D initializers		F calculatescale
D methods		F checkedfeatures
F setstate		F checkedfilename
D states		F collectprocessors
B useunicodemarks		F currentfonthasfeature
callbacks	table	D designsizes
F callback		F enhanceparameters
F devirtualize		T enhancers
checkers	table	T afm
F getmissing		F apply
D mapping		F patch
F missing		T patches
F placeholder		F register
cid	table	F report
F getmap		F register
F loadfile		F report
collections	table	T otf
F checkenabled		F addfeature
F clonevector		F apply
F define		F enhance
T definitions		F patch
F direct		T patches
F found		F register
F prepare		F report
F process		F register
F register		F report
F registermain		T tfm
F report		F apply
F reset		F patch
T rscales		T patches
T vectors		F register
constructors	table	F report
F addcharacters		F register
F addcoreunicodes		F report
F aftercopyingcharac	cters	N factor
F applyfinalizers		T features
F applymanipulators		D afm
F assignmathparamete		D otf
F beforecopyingchara	acters	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 txtdirstate
F single	F load
F substitution	F loadoutlinedata
F register	F loadstreamdata
S stepkey	F modeinitializer
F dataset	D mpscache
F datasetpositionprocessor	D pdfcache
•	•

F alternate F plugininitializer F pluginprocessor F chainedcontext T plugins F context T text F extension D pngcache F ligature B pngenabled F multiple T readers F reversechainedcontextsingle F addunicodetable F sinale 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 normalizedaxis F compact F condense T normalizedaxishash F cpal F readvariationdata F dsia 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 math F getinfo F glyf F maxp F gpos F myar 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 marktoligature F registerextender F marktomark F rehash F pair F sbix F single F stat T streamreader F gsub T gsubhandlers F close

F getposition F writecardinal1le F getsize F writecardinal2 F look F writecardinal2le F writecardinal3 F open F read2dot14 F writecardinal3le F writecardinal4 F readbyte 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 woff2otf F readinteger1le 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 D usedfeatures F readsignedbyte F readstring D sygcache F readtag B sygenabled T tables F setposition D baselines F size D features F skip F skiplong D featuretypes F skipposition D languages F skipshort D scripts F writebyte F texthandler F writecardinal1 T vectors

T arab	T combiner	
T gpos	D commands	
N curs	D helpers	
N kern	D math	
N mark	D predefined	
N mkmk	N version	
T gsub	D whatever	
N calt	F hashfeatures	
N ccmp	F hashinstance	
N cswh	T hashmethods	
N dlig	F normal	
N fina	F virtual	
N init	F initializefeatures	
N isol	D loadedfonts	
N liga	N noffontsloaded	
N medi	N nofsharedfonts	
N mset	N nofsharedhashes	
N rclt	N nofsharedvectors	
N rlig	N privateoffset	
N version	D privateslots	
T pfb	F readanddefine	
F filterencoding	F registerfeature	
F filtermetadata	F 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 potracedtopdf	F addlookup	
F showpk	F analyze	
F reencode	F applypostprocessors	5
F setfeatures	F checkedmode	
N version	F checkedscript	
T vf	S defaultlookup	
T combinations	F define	
F combine	F getspecification	

F internal		formats	data table	
F loadfont		getalternate	function	
F makespecification		getindices	function	
T methods		getkern	function	
F install		getmultiple	function	
D variants		getsubstitution	function	
F read		getters	table	
F register		T alternate		
F registered		F opentype		
F registerfallbackfo	ont	T kern		
F registersplit		F opentype		
F resetnullfont		F type1		
F resolve		F type3		
T resolvers		T multiple		
F file		F opentype		
F name		T substitution		
F spec		F opentype		
definetypeface	function	goodies	table	
dropins	table	D colorschemes		
F clone		T data		
F getshape		T common-math.lfg		
F getshapes		S author		
F nextid		S comment		
F provide S copyright				
F registerglyph		B initialized		
F registerglyphs		T mathematics		
F swap		T tweaks		
F swapone		T presets		
effects	table	F addmathk	erns	
encodings	table	F braille		
T agl		F eulertoca	alligraphic	
D ctxcodes		F fallbacks		
D extras			calligraphic	
D synonyms		F moveinte		
D unicodes		F moveital:		
D cache		F pagellara	adical	
F is_known		F rsfstosc		
D known		F rsfsupri		
Fload			calligraphic	
F make_unicode_vecto	or	F smalldig		
D math		F wipeanch		
N version		F wipeital:		
enhanceid	function	F xitsarab	ic	
expansions	data table	S name		

S version	T list	
T dejavu-math	F load	
S author	F prepare_features	
S comment	F register	
S copyright	F registerpostproces	sor
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	

F checkmerge	T backgrounds	
F checksteps	T outlines	
F collectanchors	infofont	function
F combineglyphs	iterators	table
D commands	F characters	
F composecharacters	F descriptions	
F descriptiontoslot	F glyphs	
F dimenfactor	loggers	table
F expandglyph	F format	
D extraprivates	F onetimemessage	
F fontpatternhassize	F register	
F getcoloredglyphs	F reportdefinedfon	ts
F getdigitwidth	F reportusedfeatur	
F getinstancespec	mappings	table
F getparameters	F addtounicode	
F getprivatecharornode	F fromunicode16	
F getprivatenode	F getentry	
F getprivates	F loadfile	
F getprivateslot	F loadline	
F hasprivate	F makenameparser	
F indextoslot	D overloads	
F isprivate	F reset	
F mathscriptslots	F tounicode	
F name	F tounicode16	
F nametoslot	F tounicode16seque	nce
F newprivateslot	metapost	table
F prependcommands	F baseline	
F prependcommandtable	F boundingbox	
F privateslot	F boxtomp	
F registerglyphbox	F draw	
F scalecommands	F fill	
F setboxdirectly	F glyph	
F setboxglyph	F maxbounds	
F setboxglyphs	F paths	
F setdigitwidth	F widthline	
F setmetaglyph	F zeroline	
F setmetaglyphs	mode	function
D sharedprivates	names	data table
F splitfontpattern	nulldata	data table
F tochar	privateoffsets	table
T vfinjectors	B keepnames	
F startcolor	N mathbase	
F stopcolor	N mathextrabase	
T vfspecials	N textbase	

N textextrabase		F	registerfallback	
rotrusions	data table	F	registerfiles	
readers	table	F	registerfontalterna	ative
F afm		F	registerfontfamily	
F check_lua		F	textfallback	
F check_tfm		F	typeface	
F lua		F	typescript	
F ofm		F	userdata	
F opentype		spec	ifiers	table
F otf		D	contextmerged	
F pfb		F	contextnumber	
D sequence		D	contextnumbers	
F tfm		D	contextsetups	
F ttc		F	contexttostring	
F ttf		F	definecontext	
F woff		F	mergecontext	
registersanitizer	function	F	presetcontext	
reserveid	function	F	registercontext	
select	table	F	showcontext	
D alternatives		F	splitcontext	
F bodyfont		D	synonyms	
D data		D	variants	
F default		symb	ols	table
D defaults		Т	emoji	
F definefallbackfami	ly		F checked	
F definefontfamily			F resolved	
F definefontfamilypr	eset	F	uselibrary	
D extras		tabl		table
F fallback		toef	fect	function
D fallbacks		trac	ers	table
F features		trea	tments	table
F filefallback		F	applyfixes	
F fontdata		D	data	
F fontfallback		S	filename	
F fontsynonym		F	ignoredfile	
F goodies		F	report	
F mathfallback			trace	
D methods		type	faces	table

D presets

functions (context)

dummy function

graphics (context)

 ${\color{reg}\textbf{registerpdfcompactor}} \hspace{0.5cm} \textbf{function}$

backgrounds	table	registerpdffont	function
F fetchmultipar		synchronizers	table
F pair		F collapse	
F path		F collect	
F point		F extend	
bitmaps	table	F getbottom	
F flush		F getd	
F new		F geth	
F placeholder		F getkind	
F tocontext		F getsize	
identifiers	table	F gettask	
F bitmap		F gettop	
F jp2		F getw	
F jpg		F getx	
F png		F gety	
identify	function	F prune	

gzip (context)

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

images (context)

check	function	B crop	
checksize	function	B media	
сору	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

linkedlists data table
pages table
 F setpagetransition

F setupcanvas
references table

F setclosedocumentaction
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	-	manl name	
datasets	table		realpage	
	table		realpageorder	
D collected			setstate	
F extend			tobesaved	table
F getdata		-	rappers	table
F setdata			collected	
D tobesaved disablesave	function		tobesaved	table
embedded	table	-	tions	table
D collected	tabte		b_column	
D tobesaved			b_region	
fileobjreferences	table		c collected	
-	table			
D collected D tobesaved			column columnofpos	
files	table		·	
D collected	tabte		copy	
F context			depth	
			e_column	
B forcerun F run			e_region enhance	
D tobesaved			ennance	
getrandomseed	function			
initialize	function		get	
linkedlists	table		getcolumndata getfree	
D collected	tabte			
D tobesaved			gethpos getpos	
load	function		getreserved	
loadother	function		getrpos	
objects	table		getsync	
D collected	tabte		gettobesaved	
F get			getvpos	
F number			hangafter	
F page			hangindent	
F save			height	
F set			hsize	
D tobesaved			lastx	
pack	boolean		lasty	
packversion	number		leftskip	
pagestates	table		lowerleft	
D collected	Cabic		lowerright	
F countervalue			markregionbox	
F extend			n	
i catchu		г		

F onsamepage	Fx	
F overlapping	F xy	
F p	Fy	
F page	register	function
F paragraph	save	function
F parindent	structure	table
F position	D collected	
Fr	T components	
F region	T namestack	
F registerhandlers	T tobesaved	
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 settobesaved	F getchecksum	
D tobesaved	F makechecksum	
F upperleft	F restore	
F upperright	F save	
F used	F setchecksum	
F whd	D tobesaved	

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)

F injecthyphens

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

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

N threshold

number

version

layouts (context)

getcanvasfunctionstatustagetpagedimensionsfunctionF isleftpagesetupcanvasfunctionF leftorrightpageaction

table

lfs (extra lua)

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

libraries (context)

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

lmx (context)

color	function
convert	function
convertfile	function
convertstring	function
einject	function
eprint	function
escape	function
finalized	function
finject	function
fprint	function
get	function
getvariables	function
htmfile	function
html	table
_	

F a F td F th

include function
inherited table

- S color-background-four
- S color-background-one
- S color-background-three
- S color-background-two
- S title

initialize function
inject function
lmxfile function

loadedfile	function
make	function
new	function
overloaderror	function
popupfile	function
print	function
pv	function
report	function
reset	function
result	function
set	function
show	function
showerror	function
stripcss	function
tv	function
type	function
urlescape	function
variable	function
variables	table

- S color-background-blue
- S color-background-body
- S color-background-green
- S color-background-main
- S color-background-purple
- S color-background-yellow
- S title-default

logs (context)

application	function	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
adddocumentextgstate	function	destinationspecification	function
adddocumentpattern	function	dictionary	function
adddocumentshade	function	docstring	function
addtocatalog	function	epdf	table
addtoinfo	function	F allcontent	14210
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 tounicodetable	
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
preparesignature	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)

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

luac (extra lua)

inspect function
print function

luatex (context)

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

F blockfilename wrapup function

F collect

lxml (context)

all function first function applyfunction function first function applyselectors function flush function att function flushlinewise function att function flushsetups function badinclusions function flushspacewise function chainattribute function get_id function checkindex function getid function collected function getindex function command function id function id function concat function idsplitter userdata concatrange function ifatt function context function include function convert function include function include function inclusion function inclusion function index function index function index function delete function index function direct function installsetup function direct function installsetup function directives table last function function function function directives table last function lastmatch function installsetup function directives table last function lastmatch function f				
applyfunction function first function applyselectors function flush function att function flush function flushsetups function flushspacewise function flushspacewise function flushspacewise function flushspacewise function get_id function getid function collected function getindex function collected function id function id function concat function idsplitter userdata concatrange function ifatt function context function ifatt function convert function include function convert function include function include function inclusion function delete function index function index function direct function index function function function function inclusion function direct function installsetup function directives table last function function function function findex function f	addindex	function	filter	function
applyselectors function flush function att function flushsetups function flushspacewise function flushspacewise function flushspacewise function flushspacewise function flushspacewise function get_id function getid function collected function getindex function id function command function id function id function concat function idsplitter userdata concatrange function ifatt function context function ifattempty function convert function include function include function include function inclusion function inclusion function delete function index function index function direct function installsetup function function function function installsetup function function function function installsetup function directives table last function function function function finetion function function function function function faster function f				
att function flushlinewise function badinclusions function flushspacewise function chainattribute function get_id function collected function getindex function command function id function id function concat function id function id function context function ifattempty function context function include function include function include function inclusion function installsetup function direct function installsetup function function function function lastatt function function function function function for function for function for function				
attribute function flushsetups function badinclusions function flushspacewise function chainattribute function get_id function collected function getindex function command function id function id function concat function idsplitter userdata concatrange function ifatt function context function include function convert function include function include function include function inclusion function delete function inclusions function direct function inclusions function frect function installsetup function function function function function function function function installsetup function function function function for fatter function last function functio				
badinclusionsfunctionflushspacewisefunctionchainattributefunctionget_idfunctioncheckindexfunctiongetindexfunctioncollectedfunctionidfunctioncommandfunctionidsplitteruserdataconcatfunctionifattfunctionconcatrangefunctionifattemptyfunctioncontextfunctionincludefunctionconvertfunctioninclusionfunctioncountfunctionindexfunctiondeletefunctioninlineverbatimfunctiondirectfunctioninstallsetupfunctiondirectivestablelastfunctionF afterlastattfunctionF beforelastmatchfunctionF loadloadfunctionF setuploadfunctiondisplayverbatimfunctionloaddatafunctiondoiffunctionloadedtabledoifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction				
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 context function include function convert function include function count function inclusion function delete function index function direct function inlineverbatim function direct function installsetup function f F after lastatt function F before lastmatch function F before lastmatch function F setup displayverbatim function doif function loaddata function doifelse function main function doifelseempty function match function doifelseempty function match function doifelsetext function mame function			•	
checkindex function getid function collected function getindex function command function id function concat function idsplitter userdata concatrange function ifatt function content function include function convert function include function convert function inclusion function count function inclusion function delete function index function direct function installsetup function direct function installsetup function function function function function installsetup function directives table last function function for food function for food function for food function for food function function for function function function for function f		function	flushspacewise	function
collected function getindex function command function id function concat function idsplitter userdata concatrange function ifatt function content function include function context function include function convert function inclusion function count function inclusion function delete function index function depth function intlineverbatim function direct function installsetup function function function function function installsetup function for fafter last function for fload function for fload function for fload function		function	get_id	function
command function id function concat function idsplitter userdata concatrange function ifatt function content function include function convert function inclusion function count function inclusions function delete function index function direct function installsetup function direct function installsetup function f after lastatt function F before lastmatch function F handle lastmatch function F before lastmatch function F before lastmatch function f setup load function displayverbatim function loaddata function doif function main function doifelse function match function doifelseempty function match function doifelsetext function name function	checkindex	function	getid	function
concat function idsplitter userdata concatrange function ifatt function content function include function convert function include function convert function inclusion function count function inclusions function delete function inclusions function depth function inlineverbatim function direct function installsetup function directives table last function Fafter lastatt function F before lastmatch function F handle F load load function f setup function displayverbatim function loaddata function doif function function main function doifelse function main function doifelseempty function match function doifelsetext function name function	collected	function	getindex	function
concatrange function ifatt function content function function include function context function inclusion function convert function inclusion function delete function index function depth function inlineverbatim function direct function installsetup function frafter lastatt function function function frafter lastatt function frandle function fracture function frandle fload function fracture function function function function function function function function function doif function function doif function function function doifelseempty function main function doifelseempty function function name function	command	function	id	function
contentfunctionifattemptyfunctioncontextfunctionincludefunctionconvertfunctioninclusionfunctioncountfunctionindexfunctiondeletefunctioninlineverbatimfunctiondepthfunctioninstallsetupfunctiondirectfunctioninstallsetupfunctiondirectivestablelastfunctionF afterlastmatchfunctionF beforelastmatchfunctionF handlelastparfunctionF loadloadfunctionF setuploaddatafunctiondisplayverbatimfunctionloaddatafunctiondoiffunctionloadedtabledoifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction	concat	function	idsplitter	userdata
<pre>context function convert function count function delete function depth function direct function f after F before F handle F load F setup f function displayverbatim function doifelseempty f function f fun</pre>	concatrange	function	ifatt	function
convertfunctioninclusionfunctioncountfunctioninclusionsfunctiondeletefunctionindexfunctiondepthfunctioninlineverbatimfunctiondirectfunctioninstallsetupfunctiondirectivestablelastfunctionF afterlastattfunctionF beforelastmatchfunctionF handlelastparfunctionF loadloadfunctionF setuploadbufferfunctiondisplayverbatimfunctionloaddatafunctiondoiffunctionloadedtabledoifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionmatchfunction	content	function	ifattempty	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 doifelsetext function name function	context	function	include	function
deletefunctionindexfunctiondepthfunctioninlineverbatimfunctiondirectfunctioninstallsetupfunctiondirectivestablelastfunctionF afterlastattfunctionF beforelastmatchfunctionF handleloadfunctionF loadloadfunctionF setuploadbufferfunctiondisplayverbatimfunctionloaddatafunctiondoiffunctionloadedtabledoifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction	convert	function	inclusion	function
depthfunctioninlineverbatimfunctiondirectfunctioninstallsetupfunctiondirectivestablelastfunctionF afterlastattfunctionF beforelastmatchfunctionF handlelastparfunctionF loadloadfunctionF setuploadbufferfunctiondisplayverbatimfunctionloaddatafunctiondoiffunctionloadedtabledoifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction	count	function	inclusions	function
directfunctioninstallsetupfunctiondirectivestablelastfunctionF afterlastattfunctionF beforelastmatchfunctionF handleloadfunctionF loadloadfunctionF setuploadbufferfunctiondisplayverbatimfunctionloaddatafunctiondoiffunctionloadedtabledoifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction	delete	function	index	function
directivestablelastfunctionF afterlastattfunctionF beforelastmatchfunctionF handlelastparfunctionF loadloadfunctionF setuploadbufferfunctiondisplayverbatimfunctionloaddatafunctiondoiffunctionloadedtabledoifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction	depth	function	inlineverbatim	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 doifelsetext function name function	direct	function	installsetup	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 doifelsetext function name function	directives	table	last	function
F handle F load F load F setup displayverbatim f unction f unction doif f unction f unction loaddata f unction loaddata f unction loaded table doifelse f unction main f unction doifelseempty f unction match f unction f unction	F after		lastatt	function
F load function F setup loadbuffer function displayverbatim function loaddata function doif function loaded table doifelse function main function doifelseempty function match function doifelsetext function name function	F before		lastmatch	function
F setup loadbuffer function displayverbatim function loaddata function doif function loaded table doifelse function main function doifelseempty function match function doifelsetext function name function	F handle		lastpar	function
displayverbatimfunctionloaddatafunctiondoiffunctionloadedtabledoifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction	F load		load	function
doiffunctionloadedtabledoifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction	F setup		loadbuffer	function
doifelsefunctionmainfunctiondoifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction	displayverbatim	function	loaddata	function
doifelseemptyfunctionmatchfunctiondoifelsetextfunctionnamefunction	doif	function	loaded	table
doifelsetext function name function	doifelse	function	main	function
	doifelseempty	function	match	function
<pre>doifempty function namespace function</pre>	doifelsetext	function	name	function
	doifempty	function	namespace	function
doifnot function nonspace function	doifnot	function	nonspace	function
doifnotempty function par function	doifnotempty	function	par	function
doifnottext function param function	doifnottext	function	param	function
doiftext function parameter function	doiftext	function	parameter	function
element function path function	element	function	path	function
elements function popmatch function	elements	function	popmatch	function
entities data table pos function	entities	data table		function
fileline function position function	fileline	function	position	function
filename function pure 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	
acos	function	
asin	function	
atan	function	
atan2	function	
ceil	function	
ceiling	function	
cos	function	
cosd	function	
cosh	function	
deg	function	
div	function	
even	function	
ехр	function	
floor	function	
fmod	function	
huge	number	
initialseed	number	
ldexp	function	
log	function	
log10	function	
max	function	
maxinteger	number	

min	function	
mininteger	number	
mod	function	
modf	function	
odd	function	
pi	number	
pow	function	
rad	function	
random	overloaded	function
randomseed	function	
round	function	
setrandomseedi	function	
sin	function	
sind	function	
sinh	function	
sqrt	function	
tan	function	
tand	function	
tanh	function	
tointeger	function	
type	function	

function

ult

mathematics (context)

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

toengineclass function F fixslashes toname function F fixvariants tostyle function F flattenaccents tweakaftercopyingfont function F inspect tweakbeforecopyingfont function F keepbases tweaks table F kernpairs F accentdimensions F kerns T kernsets F action F addactuarian Τ., F addarrows F margins F message F addbars F addcomposites F moveitalics F addequals F movelimits F addfourier F parameters F addmirrors F radicalbodymargins F addparts F radicaldegreeanchors F addprivates F replace F addrules F replacealphabets F addscripts F replacerules F bigslots F setoptions F checkaccents F setovershoots F checkspacing F showinfo F copyaccents F simplifykerns T datasets F sortvariants T accentdimensions F staircase T accent T subsets T over T acenorsuvxz T under T bhklt T addarrows b T T addscripts T dotless Τf T checkspacing T copyaccents T gjqy T fixprimes T horizontalfences T fixslashes Τi T wipecues T integrals F dimensions T letterlike F extendaccents T mw F fallbacks Тр F fixaccents F substitute F fixellipses F topanchors F fixintegrals F tweaks F fixoldschool F version F fixprimes F wipeanchors

F fixradicals

F wipecues

F wipeitalics		utfmathfiller	function
F wipevariants		utfmathstretch	function
F wipeweirdones		variantcode	function
utfmathaccent	function	variantcount	function
utfmathclass	function	virtualize	function
utfmathcommand	function	virtualized	data table

md5 (extra lua)

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

metapost (context)

checkformat checktracingonline cm codes

function function function table

N addto

N ampersand

N and

N assignment

N atleast

N begingroup

N btex

N capsule

N colon

N comma

N controls

N curl

N cycle

N definedmacro

N delimiters

N endgroup

N equals

N etex

N everyjob

N exittest

N expandafter

N fiorelse

Nif

N input

N interim

N internal

N iteration

N leftbrace

N leftbracket

N leftdelimiter

N let

N macrodef

N macrospecial

N maketext

N message

N mode

N newinternal

N nullary

N numeric

N of

N ofbinary

N onlyset

N parametertype

N pathconnect

N pathjoin

N plusorminus

N primarybinary

N primarydef

N property

N protection

N relax

N repeatloop

N rightbrace

N rightbracket

N rightdelimiter

N runscript

N save

N scantokens

N secondarybinary

N secondarydef

N semicolon

N setbounds

N shipout

N show

N slash

N step

- -

N stop

Nstr

N string

N tag

N tension

N tertiarybinary

N tertiarydef

N thingstoadd

N to

N typename

N unary

N undefinedcs

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

registertokens	function	N pc	
remappedtext	function	N pt	
remaptext	function	N px	
reporterror	function	svgglyphtomp	function
reportsvgfonts	function	svgshapestomp	function
reset	function	svgshapestopdf	function
resetlastlog	function	svgsplitcolor	function
resetplugins	function	svgtomp	function
run	function	svgtomp	function
runinternal	function	sxsy	function
runscript	function	tex	table
scanparameters	function	F get	tabte
scripterror	function	F reset	
scripterior	function	F set	
setbendtolerance	function	F setfrombuffer	
setbuffer	function	texerrors	boolean
setextensions	function	texexp	function
setlogging	function	theclippath	function
setmoyetolerance	function	tographic	function
setoutercolor	function	totable	function
setparameter	function	types	table
setparameterset	function	N boolean	cable
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 %	cabic	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	
14 111111		W dirknownpiccure	

N unknownstring
N unsuffixedmacro
N vacuous

typesvgpage function

unload untagvariable variables function 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		<pre>lmt_color_functions</pre>	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	<pre>lmt_contours_edge_get_band</pre>	function
dataset	function	lmt_contours_edge_get_cell	function
datasets	function	<pre>lmt_contours_edge_paths</pre>	function
F load		lmt_contours_edge_set	function
direct	function	<pre>lmt_contours_edge_set_by_band</pre>	function
draw	function	<pre>lmt_contours_edge_set_by_cell</pre>	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
<pre>lmt_glyphshape_baseline</pre>	function	mf_start_saving_data	function
<pre>lmt_glyphshape_boundingbox</pre>	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
<pre>lmt_glyphshape_usedline</pre>	function	print	function
lmt_glyphshape_width	function	F boolean	
lmt_mesh_set	function	F color	
lmt_mesh_update	function	F direct	
<pre>lmt_poisson_generate</pre>	function	F draw	
<pre>lmt_start_potrace</pre>	function	F fill	
<pre>lmt_step_potrace</pre>	function	F flush	
<pre>lmt_stop_potrace</pre>	function	F fprint	
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)

injectpath

function

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

version

function

noads (context)

handlers	table	F snap	
F alternates		F spacing	
F autofences		F suspicious	
F classes		F tags	
F collapse		F unscript	
F dictionaries		F unstack	
F export		F variants	
F families		process	function
F fencing		processneste	d function
F intervals		processors	table
F kernpairs		T dictionari	es
F makeup		T intervals	
F normalize		F mlisttohli	st
F numbers		T suspicious	
F relocate		T unscript	
F render		T unstack	
F showtree		processouter	function

node (basic tex)

checkdiscretionaries checkdiscretionary copy copylist count

currentattributes
dimensions

direct

F addmargins
F addxoffset
F addxymargins
F addyoffset
F appendaftertail
F checkdiscretionaries
F checkdiscretionary

F collapsing
F copy
F copylist
F copyonly
F count

F count
F currentattributes
F dimensions
F effectiveglue
F endofmath
F exchange
F fields
F findattribute
F findattributerange

F findnode
F firstchar
F firstglyph
F firstglyphnode
F firstitalicglyph
F flattendiscretionaries
F flattenleaders

F flushlist
F flushnode
F free
F freeze
F getanchors
F getattribute

function function function function function

function function table F getattributelist
F getattributes
F getboth
F getbottom

F getbottomdelimiter

F getcachestate
F getchar

F getbox

F getchardict
F getcharspec
F getchoice
F getclass
F getcornerkerns
F getdata

F getdegree F getdelimiter F getdenominator

F getdenomination
F getdirection
F getdisc
F getdiscpart
F getexpansion
F getfam
F getfield
F getfont
F getgeometry
F getglue

F getglyphdata
F getglyphdimensions
F getheight
F getid
F getindex
F getinputfields

F getkern
F getkerndimension
F getlanguage
F getleader
F getleftdelimiter

F getlist

F getlistdimensions

F getnext

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

F protectglyphs

F hasdimensions

F protectglyphsnone F setnext F protrusionskippable F setnucleus F rangedimensions F setnumerator F remove F setoffsets F removefromlist F setoptions F setorientation F repack F reverse F setpenalty F serialized F setpost F setanchors F setpre F setattribute F setprev F setattributelist F setprime F setattributes F setproperty F setboth F setreplace F setbottom F setrightdelimiter F setbottomdelimiter 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 setdearee 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 settopdelimiter F setfam F settotal F setfield F setweight F setfont F setwhd F setgeometry F setwidth F show F setglue F setglyphdata F slide F setheight F softenhyphens F setindex F startofpar F setinputfields F subtypes

F setheight F softenhyphens
F setindex F startofpar
F setinputfields F subtypes
F setkern F tail
F setlanguage F todirect
F setleader F tonode
F setleftdelimiter F tostring
F setlink F tovaliddirect
F setlist F traverse

F traversechar		insertafter	function
F traversecontent		insertbefore	function
F traverseglyph		instock	function
F traverseid		inuse	function
F traverseitalic		isnode	function
F traverseleader		iszeroglue	function
F traverselist		kerning	function
F type		lastnode	function
F types		length	function
F unprotectglyph		ligaturing	function
F unprotectglyphs		makeextensible	function
F unsetattribute		mlisttohlist	function
F unsetattributes		new	function
F usedlist		protectglyph	function
F usesfont		protectglyphs	function
F verticalbreak		protrusionskippable	function
F vpack		rangedimensions	function
F write		remove	function
F xscaled		serialized	function
F yscaled		setattribute	function
effectiveglue	function	setfield	function
endofmath	function	setglue	function
family_font	function	setproperty	function
fields	function	show	function
findattribute	function	slide	function
flattendiscretionaries	function	subtypes	function
flushlist	function	tail	function
flushnode	function	todirect	function
free	function	tonode	function
getattribute	function	tostring	function
getcachestate	function	traverse	function
getfield	function	traverseid	function
getglue	function	type	function
getpropertiestable	function	types	function
getproperty	function	unprotectglyph	function
gluetostring	function	unprotectglyphs	function
hasattribute	function	unsetattribute	function
hasfield	function	usedlist	function
hasglyph	function	usesfont	function
hpack	function	vpack	function
hyphenating	function	write	function
id	function		

nodes (context)

accentcodes	data table	dircodes	data table
adaptive	table	directioncodes	data table data table
F handlehorizontal	table	directionvalues	data table
F handlevertical		dirvalues	data table data table
F set		discodes	data table
aligned	function	discretionarycodes	data table
append	function	fencecodes	data table
append	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	tabte	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
сору	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 cleanuppage		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 flush F addmargins F addxoffset F flushlist F addxymargins F flushnode F free F addyoffset 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 getcomponents F copylist 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 flattenleaders

F getheight

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 getyscale 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 hasglyph F getoptions F hasglyphoption F getorientation F getparstate F hpack F getpenalty F hyphenating F getpost F ignoremathskip F insertafter F getpre F insertbefore F getprev F insertlistafter F getprime 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 isqlyph F isitalicglyph F getscales F getscript F isnext F isnextchar F getshift F getslant F isnextqlyph F isnode F getspeciallist F isnut F getstate F getsub F isprev F isprevchar F getsubpre F getsubtype F isprevglyph F issimilarglyph F getsup F iszeroglue F getsuppre F getsurround F kerning

F gettop

F lastnode

F length F leftskip F ligaturing F lineskip F link F literal F mathchar F linked F locate F mathtextchar F negatedglue F migrate F migratebox F noad F mlisttohlist F originliteral F naturalhsize F outlinerule F naturalwidth F pageliteral F nestedtracedslide F penalty F radical F new F newcontinuationatom 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 save F boundary 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 submlist F fontkern F fraction F temp F glue F usage F userdefined F gluespec T userids F glyph F hlist F usernode F imagerule F userrule F indentskip F virtualrule F italickern F vlist F kern F wordboundary F latelua F prepend F leader F prependbeforehead

F lefthangskip

F leftmarginkern

F processranges

F processwords

F protectglyph F setdirection 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 rehnack 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 setruledata F setchoice F setruledimensions F setclass F setcomponents F setscale F setdata F setscales F setdegree F setscript F setdelimiter F setshift

F setslant

F setspeciallist

F setdenominator

F setdepth

F	setsplit	F	boundary
F	setstate	F	char
F	setsub	F	content
F	setsubpre	F	dir
F	setsubtype	F	disc
F	setsup	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	Τt	reversers
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	Τt	ypesetters
F	takelist	F	tohbox
F	theprop	F	tohpack
F	tonode	F	tonodes
F	tonodes	F	tovbox
F	tonut	F	tovpack
F	tosequence	Fι	inprotectglyph
F	tostring	Fι	inprotectglyphs
F	tracedslide	Fι	ınsetattribute
F	traverse	Fι	ınsetattributes
F	traversechar	Fι	ıntracedslide
F	traversecontent	Fι	sedlist
F	traverseglyph	Fι	sesfont
F	traverseid	F١	erticalbreak
F	traverseitalic	F١	rianodes
F	traverseleader	F١	rianuts
F	traverselist	F١	rpack
Т	traversers	Fν	rite
	F alignrecord	F >	scaled

F yscaled		F post linebreak filter	
packlist	function	. – –	
parcodes	data table	F pre_linebreak_filter	
penaltycodes	data table	F trace_glyph_run_a	
plugindata	table	F trace_glyph_run_b properties	table
F finalizer	table	T data	table
			function
F initializer		pts radicalcodes	data table
S name		references	
T namespace			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	rightmarginwidth -	function
F baselineskip		rulecodes	data table
F cleanup		rules	table
F directliteral		F handler	
F glyph		F process	
F hlist		F set	
F latelua		F userrule	
F leader		serialize	function
F lineskip		serializebox	function
F literal		serialized	function
F originliteral		setattr	function
F register		setattribute	function
F restore		setboth	function
F save		setbox	function
F savepos		setboxtonaturalwd	function
F setmatrix		setchar	function
F stock		setfield	function
F usage		setfont	function
F usernode		setleader	function
F vlist		setlink	function
prepend	function	setlist	function
print	function	setnext	function
processors	table	setprev	function
F alignment_filter		setproperty	function
F append_line_filter		shifts	table

F glyph_run

F handler

F set		toinches	function
showboxes	function	tomillimeters	function
showlist	function	tonode	function
showsimplelist	function	tonodes	function
skipcodes	data table	tonut	function
snapshots	table	topicas	function
F getsamples		topoints	function
F resetsamples		toscaledpoints	function
F takesample		tosequence	function
somepenalty	function	tostring	function
somespace	function	totable	function
specialskipcodes	table	totree	function
splitbox	function	toutf	function
startofpar	function	tracers	table
stripdiscretionaries	function	T colors	
stripping	table	F reset	
T glyphs		F set	
F 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	

F stop N fontkern T transparencies N glue F reset N glyph F set N hbox F setlist N halue function traverse N hkern function traverseid N hpenalty typesetters table N insert F hbox N italic F hpack N kern F tohbox N line F tohpack N marginkern F tonodes N mark F tovbox N math F tovpack N mathglue F vpack N mathkern unsetattribute function N origin usedlist function N par vianodes function N penalty vianuts function N simple visualizebox function N simplehbox visualizers table N simplevbox F attribute N simplevtop T attributes N space F box N strut F definelayer N user F enable N vbox T filters N vglue N halue N vkern N hkern N vpenalty N hpenalty N vtop N vglue N whatsit N vkern F register N vpenalty F registercache F setfont F getusedfont F handler F setlayer F markfonts F setruledglyph F setvisual T modes vpack function N boundary whatsitcodes data table N depth write function N dir

N expansion

F stop

N discretionary

number (context)

	function
basepoints	function
bytetodecimal	function
compactfloat	function
decimaltobyte	function
dimenfactors	data table
formatted	function
formattedfloat	function
idiv	function
maxdimen	number
nopts	function
nubasepoints	function
nupoints	function
percent	function
points	function
pts	function
signed	function
sparseexponent	function
splitdimen	function
to16dot16	function

tobasepoints	function
tobitstring	function
tocentimeters	function
tociceros	function
tocontext	function
todidots	function
todimen	function
toediths	function
toevenhex	function
toinches	function
tomillimeters	function
tonumberf	function
tonumberg	function
topicas	function
topoints	function
toscaled	function
toscaledpoints	function
totoves	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 load	
F escape		loaded	table
F fetch		lz4	table
F getversion		F compress	
F initialize		F decompresssize	2
F unescape		F framecompress	
foreign	table	F framedecompres	S
F abivalues		F initialize	
F getbuffer		lzma	table
F initialize		F compress	
F load		F decompress	
F newbuffer		F initialize	
F totable		lzo	table
F types		F compress	
ghostscript	table	F decompresssize	:
F execute		F initialize	
F initialize		mujs	table
graphicsmagick	table	F dofile	
F execute		F execute	
F initialize		F initialize	
hb	table	F reset	
F getshapers		F setclosefile	
F getversion		F setconsole	
F initialize		F setfindfile	
F loadfont		F setopenfile	
F shapestring		F setreadfile	
imagemagick	table	F setseekfile	
F execute		mysql	table
F initialize		F close	
kpse	table	F execute	
F expand_braces		F getmessage	
F expand_path		F initialize	
F expand_var		F open	
F find_file		openssl	table
F find_files		F getversion	
F get_file_types		F initialize	
F initialize		F sign	
F readable_file		F verify	
F set_program_na	me	postgress	table
F var_value		F close	
library	table	F execute	

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

F open

os (basic lua)

name

now

newline

nofdays

pipeto

platform

string

string

function

function

function

string

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

uuid

validdate

weekday

where

which

function

function

function function

function

package (basic lua)

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

pagebuilders (context)

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

pdf (context)

immediateobj function

pdfe (extra tex)

arraytotable	function
close	function
closestream	function
dictionarytotable	function
getarray	function
getboolean	function
getbox	function
getcatalog	function
getdictionary	function
getfromarray	function
getfromdictionary	function
getfromobject	function
getfromreference	function
getfromstream	function
getinfo	function
getinteger	function
getmemoryusage	function
getname	function
getnofobjects	function
getnofpages	function

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

physics (context)

units table

F registershortcut

F registerunit

D tables

pngdecode (extra tex)

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

posit (extra lua)

NaN	function	сору	function
NaR	function	cos	function
add	function	exp	function
band	function	exp2	function
bor	function	floor	function
bxor	function	fromposit	function
div	function	integer	function
eq	function	log	function
le	function	log10	function
lt	function	log1p	function
mul	function	log2	function
name	string	logb	function
pow	function	max	function
shl	function	min	function
shr	function	modf	function
sub	function	new	function
tostring	function	pow	function
unm	function	rotate	function
abs	function	round	function
acos	function	rounded	function
asin	function	shift	function
atan	function	sin	function
band	function	sqrt	function
bor	function	tan	function
bxor	function	tonumber	function
ceil	function	toposit	function
conj	function	tostring	function

potrace (extra tex)

checked	function	getbitmap	function
concat	function	new	function
contourplot	function	process	function
convert	function	setbitmap	function
count	function	stripped	function
flush	function	totable	function
free	function	trace	function

publications (context)

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

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

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

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

F pagenumber

F range

tracers table

F showdatasetauthors

F showdatasetcompleteness

regimes (context)

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

resolvers (context)

allmmafives	function	findfiles
allprefixes	function function	
appendhash automount	function	findgivenfile
booleanvariable	function	findgivenfiles findlib
cacheversion		
	string	findpath
checkedvariable	function	findpk findtexfile
cleanedpathlist	function data table	findwildcardfile
cleaners	function	findwildcardfiles
cleanpath	function	formatofsuffix
cleanpathlist		
cleanupbinfile	function	formatofvariable
concatinators	data table	formats
confighanner	string	foundintree
configurationfiles	function data table	foundintrees
dangerous		generators
datastate	function	get_from_content
decompressors	table	getenv
F register		getextrapaths
F unregister		getfilehashes
defaultsuffixes	table	gethashes
dirstatus	function	getownpath
dowithfilesandreport	function	getreadfilename
dowithfilesintree	function	hashers
dowithpath	function	homedir
dowithvariable	function	ignorelibrary
executers	table	initialized
expandbraces	function	installinputfilehandler
expandedpathfromlist	function	installinputlinehandler
expandedpathlist	function	jobpath · ·
expandedpathlistfromvariable	function	jobs
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

function data table function function data table function function function function function function function data table string function function function function function table

ioinpath function registerfilehash function knownvariables function registerintrees function libraries table registermethod function registerzipfile F optionalloaded function relations data table F validoptional function load function renew loadbinfile function function renewcache data table loaders repath function loadlualib function reset function loadtexfile function resetextrapaths function loadtime function resetresolve function locateformat function resol ve function locators data table data table savers luacnffallback strina scandata function luacnfname scanfiles function string luacnfspec schemes table strina 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 setdvnamic function F processmklx setenv function F processmkvi function F version showpath maxreadlevel number simplescanfiles function methodhandler function splitconfigurationpath function openbinfile function splitexpansions function data table splitmethod function openers function openfile splitpath function opentexfile function stackpath function ownpath string starttiming function popextrapath function stoptiming function function suffixes data table popinputname poppath function suffixmap data table data table suffixofformat prefixes function prependhash function texdatablob function pushextrapath function toppath function pushinputname function tracers data table function function pushpath unexpandedpath

unexpandedpathlist

unresolve

function

function

function

function

registerextrapath

registerfile

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

scripts (context)

autofontfeature table F disable F enable F handler colors data table decomposehangul function defaults table N inter_char_half_shrink factor N inter char half stretch factor N inter char hangul penalty N inter_char_quarter_shrink_factor N inter_char_quarter_stretch_factor N inter char shrink factor N inter char stretch factor N inter_word_stretch_factor getdata function getinjector function getsplitter function

function

getstatus

handlers	data table
helpers	data table
injectors	data table
inserters	table
F nobreakspace_af	ter
F nobreakspace_be	fore
F space_after	
F space_before	
F zerowidthspace_	after
F zerowidthspace_	before
installdataset	function
installmethod	function
numbertodataset	data table
numbertohandler	data table
reset	function
set	function
setstatus	function

splitters

data table

set (context)

contains function
create function
tolist function

tonumber function
totable function

sha2 (extra lua)

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

sio (extra lua)

read2dot14	function	readinteger1
readbytes	function	readinteger2
readbytetable	function	readinteger21
readcardinal1	function	readinteger3
readcardinal1le	function	readinteger31
readcardinal2	function	readinteger4
readcardinal2le	function	readinteger41
readcardinal3	function	readintegerta
readcardinal3le	function	tocardinal1
readcardinal4	function	tocardinal1le
readcardinal4le	function	tocardinal2
readcardinaltable	function	tocardinal2le
readcline	function	tocardinal3
readcstring	function	tocardinal3le
readfixed2	function	tocardinal4
readfixed4	function	tocardinal4le
readinteger1	function	

socket (extra lua)

S content-location

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 function choose S date connect function S diagnostic-code function connect4 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 aettime function S if-match headers table S if-modified-since T canonic S if-none-match S if-range S accept S accept-charset S if-unmodified-since S accept-encoding S in-reply-to S accept-language S keywords S last-attempt-date S accept-ranges 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 remote-mta S content-language S content-length S reply-to

S reporting-mta

S rese	ent-bcc	protect	function
S rese	ent-cc	report	function
S rese	ent-date	select	function
S rese	ent-from	sink	function
S rese	ent-message-id	sinkt	table
S rese	ent-reply-to	F close-when-c	lone
S rese	ent-sender	F default	
S rese	ent-to	F http-chunked	I
S reti	ry-after	F keep-open	
S retu	ırn-path	skip	function
S send	der	sleep	function
S serv	ver	source	function
S smtp	o-remote-recipient	sourcet	table
S stat	tus	F by-length	
S subj	ject	F default	
S te		F http-chunked	I
S to		F until-closed	I
S trai	iler	tcp	function
S tran	nsfer-encoding	tcp4	function
S upgi	rade	tcp6	function
S usei	r-agent	tp	table
S vary	<i>y</i>	N TIMEOUT	
S via		F connect	
S warr	ning	try	function
S will	l-retry-until	udp	function
S www-	-authenticate	udp4	function
S x-ma	ailer	udp6	function
F lower		url	table
F norma	lize	F absolute	
http	table	F build	
N TIMEO	UT	F build_path	
S USERA	GENT	F escape	
F gener	icform	F parse	
F open		F parse_path	
F reque	st	F unescape	

newtry function

sorters (context)

basicsorter	function	D	
pasicsol rei	TullCtIon	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 replacementoffs	et	sort	function
T validmethods		splitters	table
B ch		F utf	
B mc		strip	function
B mm		tracers	data table
В рс		update	function

sparse (extra lua)

concat	function	range	function
get	function	restore	function
max	function	set	function
min	function	traverse	function
new	function	wipe	function

statistics (context)

benchmarktimer	function	resettiming	function
checkfmtstatus	function	runtime	function
currenttime	function	savefmtstatus	function
elapsed	function	show	function
elapsedindeed	function	showmemory	function
elapsedseconds	function	showusage	function
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	
data	table	
mark	function	
marked	function	
max	number	
min	number	
nofmodules	number	

noftables	number	
register	function	
shared	data table	
storedfunctions	data table	
strip	boolean	
tofmodules	number	
toftables	number	

streams (context)

collect	function	push	function
disable	function	start	function
enable	function	stop	function
flush	function	synchronize	function
initialize	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	utfvalue	function
unquoted	function	utfvalues	function
upper	function	utfvaluetable	function
utfcharacter	function	valid	function
utfcharacters	function	voigt	function
utfcharactertable	function	voigt_hwhm	function
utflength	function	wordsplitter	function
utfpadd	function		
utfpadding	function		

structures (context)

atlocation	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	
Fuservariable		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	
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 formulanumber	
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 prefixedpage
F touserdata		F process
inserts	table	D pushed
D data		F pushnesting
F define		F rawnumber
F getdata		F realpage
F getlocation		F reordered
F getname		T result
F getnumber		F savedlistnumber
F setlocation		F savedlistprefixednumber
F setup		F savedlisttitle
D stored		D sectionblocks
itemgroups	table	F sectionnumber
D collected		F size
D tobesaved		F title
lists	table	D tobesaved
F addto		F use
F analyze		F userdata
B autoreorder		F uservalue
D cached		marks table
D collected		F number
F discard		F title
F discard F enhance		F title rotes table
F discard F enhance T enhancers		notes table
F enhance		<pre>notes table F check_spacing</pre>
F enhance T enhancers		notes table
F enhance T enhancers F external		<pre>notes table F check_spacing F checkpagechange F define</pre>
F enhance T enhancers F external F filter		<pre>notes table F check_spacing F checkpagechange</pre>
F enhance T enhancers F external F filter F formulanumber		<pre>notes table F check_spacing F checkpagechange F define F doifonsamepageasprevious F get</pre>
F enhance T enhancers F external F filter F formulanumber F getresult		<pre>notes table F check_spacing F checkpagechange F define F doifonsamepageasprevious</pre>
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex		<pre>notes table F check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage</pre>
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata		<pre>notes table F check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal</pre>
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata		notes table F check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal F getn
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata		notes table F check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal F getn F getstate
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata F integrate		notes table F check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal F getn F getstate F hascontent
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata F integrate F iscached		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 enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata F integrate F iscached D kinds		<pre>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 internal </pre>
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata F integrate F iscached D kinds F label		r check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal F getn F getstate F hascontent F internal F internal F internal
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata F integrate F iscached D kinds F label F location		r check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal F getn F getstate F hascontent F internal F internal F internal F listindex D numbers
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata F integrate F iscached D kinds F label F location D names		r check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal F getn F getstate F hascontent F internal F internal F listindex D numbers F ordered
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata F integrate F iscached D kinds F label F location D names F number		r check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal F getn F getstate F hascontent F internal F internal F internal F sistindex D numbers F ordered F postpone
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata F integrate F iscached D kinds F label F location D names F number D ordered		r check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal F getn F getstate F hascontent F internal F internal F internal F setnernal F internal F internal F istindex D numbers F ordered F postpone F resetpostponed
F enhance T enhancers F external F filter F formulanumber F getresult F groupindex F hasnumberdata F haspagedata F hastitledata F integrate F iscached D kinds F label F location D names F number D ordered F page		r check_spacing F check_spacing F checkpagechange F define F doifonsamepageasprevious F get F getdeltapage F getinternal F getn F getstate F hascontent F internal F internal F internal F istindex D numbers F ordered F postpone F resetpostponed F restore

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

F setlinkmethod	F finalize
F setnextinternal	F findinternal
F setnextorder	F flush
F setreferencerealpage	F get
F setstructure	F integrate
D specials	F prepare
F splitcomponent	F process
F splitprefix	F setmethod
F splitreference	F sort
F synchronizepage	F store
T testrunners	D tobesaved
F inner	F tweak
F special	F unique
F special operation	F use
F special operation with arguments	F userdata
T testspecials	sections table
F deltapage	F autodepth
Fi	F cct
F internal	D collected
F page	F current
F realpage	F currentblock
F section	F currentid
F userpage	F currentlevel
D tobereferred	F currentsectionindex
D tobesaved	F depthnumber
D tracedpages	F finddata
T urls	F findnumber
T data	F fullnumber
F define	F getcurrentlevel
F found	F getlevel
F get	F getnumber
F untex	F internalreference
D usedinternals	D levelmap
D usedviews	D levels
F valid	F matchingtilldepth
registers table	F numberatdepth
F analyze	F numbers
D collected	F popblock
F compare	F prefixedconverted
F define	F pushblock
F enhance	F register
F extend	D registered
F filter	F reportstructure
F filtercollected	F save

T sectionblockdata		F registerused	
T bodypart		F reset	
S bookmark		F resetall	
F set		F resetlist	
F setblock		F resetshown	
F setchecker		F resetused	
F setentry		F sort	
F setinitialblock		F synonym	
F setlevel		D tobesaved	
F setnumber		tags	table
F showstructure		T backend	
F structuredata		T checks	
F title		F marginanchor	
D tobesaved		F margintext	
F typesetnumber		F math	
F userdata		F mrow	
B verbose		F mtable	
sets	table	T destinationhash	
F define		T extras	
F get		F adddestination	
F getall		F addimplicit	
D setlist		F addinternal	
specials	table	F addreference	
D collected		F combination	
F retrieve		F delimitedsymbol	
F store		F description	
D tobesaved		F descriptionsymbol	
synonyms	table	F document	
F analyzed		F float	
D collected		F formulacontent	
F compare		F image	
F define		F item	
F enhance		F itemgroup	
F filter		F link	
F finalize		F listitem	
F flush		F mmultiscripts	
Fisshown		F msub	
F isused		F msubsup	
F meaning		F msup	
F pages		F paragraph	
F prepare		F publication	
F process		F reference	
F register		F registerlocation	
F registershown		F registerpages	

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

F lastinchain

F localexport

F locatedtag

T patterns

F strip

D taglist

T usewithcare

table (basic lua)

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

tex (basic tex)

amaada	table		function
amcode attribute	table	extraprimitives fatalerror	function
	data table	fillcodes	data table
automigrationcodes	data table data table	fitnesscodes	data table
autoparagraphcodes badness	function		data table
boundaries	table	flagcodes	
	table	fontidentifier fontname	function function
D names		forcehmode	
D numbers			function
F system	4-61-	forceinputstatefile	function
box	table	forceinputstateline	function
boxresources	table	fprint	function
F getbox		frozenparcodes	data table
F getdimensions		get	function
F save		getalignmentcontextvalues	function
F use		getamcode	function
breakcodes	data table	getappendlinecontextvalues	function
buildcodes	data table	getattribute	function
catcode	table	getautomigrationvalues	function
charactertagcodes	data table	getautoparagraphvalues	function
chardef	function	getbox	function
classoptioncodes	data table	getboxdir	function
codes	table	getboxresourcebox	function
conditionals	data table	getboxresourcedimensions	function
constants	data table	getbreakcontextvalues	function
count	table	getbuildcontextvalues	function
cprint	function	getcardinalvalue	function
ctdcatcodes	number	getcatcode	function
ctxcatcodes	number	getcharactertagvalues	function
definefont	function	getcount	function
delcode	table	getdelcode	function
dimen	table	getdelcodes	function
dimensiondef	function	getdimen	function
directioncodes	data table	getdimensionvalue	function
directives	data table	getdirectionvalues	function
discoptioncodes	data table	getdiscoptionvalues	function
dontcomplain	function	getdiscstatevalues	function
doublescriptoptioncodes	data table	getdoublescriptoptionvalues	function
enableprimitives	function	geterrorvalues	function
error	function	getfillvalues	function
expandasvalue	function	getfitnessvalues	function
experiments	data table	getflagvalues	function

getfloat	function	getmathcodes	function
getfontoffamily	function	getmathcontrolvalues	function
getfrozenparvalues	function	getmathdir	function
getglue	function	getmathgluevalues	function
getglueoptionvalues	function	getmathoptionvalues	function
getglyphdata	function	getmathparametervalues	function
getglyphoptionvalues	function	getmathscriptordervalues	function
getglyphscales	function	getmathscriptsmodevalues	function
getglyphscript	function	getmathstylenamevalues	function
getglyphstate	function	getmathstylevalues	function
getgroupvalues	function	getmathsurroundvalues	function
gethccode	function	getmathvariantvalues	function
gethelptext	function	getmode	function
gethmcode	function	getmodevalues	function
gethyphenationvalues	function	getmuglue	function
getiftypes	function	getmuskip	function
getinputstatefile	function	getnest	function
getinputstateline	function	getnestlevel	function
getinputstatemode	function	getnoadoptionvalues	function
getinsertcontent	function	getnormalizelinevalues	function
getinsertdepth	function	getnormalizeparvalues	function
getinsertdistance	function	getoutputactive	function
getinsertheight	function	getpacktypevalues	function
getinsertlimit	function	getpagecontextvalues	function
getinsertmultiplier	function	getpagestate	function
getinsertwidth	function	getparametermodevalues	function
getintegervalue	function	getparcontextvalues	function
getinteraction	function	getpardir	function
getinteractionmodes	function	getparmodevalues	function
getiovalues	function	getparpassclassvalues	function
getkerneloptionvalues	function	getparstate	function
getlargestusedmark	function	getpartriggervalues	function
getlccode	function	getpenaltyoptionvalues	function
getlinedir	function	getpositvalue	function
getlist	function	getprepoststatevalues	function
getlistanchorvalues	function	getprimitiveorigins	function
getlistgeometryvalues	function	getprotrusionboundaryvalues	function
getlistsignvalues	function	getregisterindex	function
getlocalbox	function	getruleoptionvalues	function
getlocallevel	function	getrunstatevalues	function
getmark	function	getsfcode	function
getmath	function	getshapingpenaltiesvalues	function
getmathclassoptionvalues	function	getskip	function
getmathcode	function	getspecialmathclassvalues	function

function **gettextcontrolvalues** N defaulteqnogapstep aettextdir function N defaulthangafter function aettoks N defaultoutputbox aetuccode function N defaultpredisplaygap **getunitclassvalues** function N defaultrule qlue table N defaultspacefactor glueoptioncodes data table N defaulttolerance glyphoptioncodes data table N deplorable groupcodes data table N ejectpenalty hashtokens function N ignoredepth table hccode N infinitebad table hmcode N infinitepenalty hshcatcodes number N infinity hyphenationcodes data table N largewidthexcess ifs data table N loosecriterion inicatcodes number N mathallclass function integerdef N mathbeginclass interactioncodes data table N mathdefaultpenalty isattribute function N mathendclass ishox function N mathfirstuserclass function iscount N mathlastuserclass isdefined function N maxattributeregisterindex isdimen function N maxboxregisterindex isfloat function N maxbytecodeindex function isalue N maxcalculatedbadness ismuglue function N maxcardinal ismuskip function N maxcategorycode isprintable function N maxcharactercode isskip function N maxdatavalue function istoks N maxdimen function lastnodetype N maxdimenregisterindex 1ccode table N maxdimension linebreak function N maxdimensionregisterindex listanchorcodes data table N maxendlinecharacter listgeometrycodes data table N maxfloatregisterindex lists table N maxfontadjustshrinkfactor listsigncodes data table N maxfontadjuststep luacatcodes number N maxfontadjuststretchfactor magicconstants table N maxfunctionreference N assumedmathcontrol N maxglueregisterindex N awfulbad N maxhalfvalue N decentcriterion N maxhalfword

N defaultcatcodetable

N defaultdeadcycles

N maxintegerregisterindex

N maxinteger

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

quitlocal	function	setmath	function
quittoks	function	setmathcode	function
resetparagraph	function	setmathdir	function
rlncatcodes	number	setmuglue	function
romannumeral	function	setmuskip	function
round	function	setnest	function
ruleoptioncodes	data table	setpardir	function
runlocal	function	setpositvalue	function
runstring	function	setrunstate	overloaded functi
runtoks	function	setsfcode	function
saveboxresource	function	setskip	function
scale	function	settextdir	function
scantoks	function	settoks	function
set	function	setuccode	function
setamcode	function	sfcode	table
setattribute	function	shapingpenaltiescodes	data table
setbox	function	shiftparshape	function
setboxdir	function	shipout	function
setcardinalvalue	function	showcontext	function
setcatcode	function	skip	table
setcount	function	snapshotpar	function
setdelcode	function	sp	function
setdimen	function	specialmathclasscodes	data table
setdimensionvalue	function	splitbox	function
setfloat	function	sprint	function
setglue	function	stringtocodesbitmap	function
setglyphdata	function	systemmodes	data table
setglyphscript	function	takebox	function
setglyphstate	function	texcatcodes	number
sethccode	function	textcontrolcodes	data table
sethmcode	function	toks	table
setinputstatefile	function	tonumber	function
setinputstateline	function	toscaled	function
setinputstatemode	function	tpacatcodes	number
setinsertcontent	function	tpbcatcodes	number
setinsertdistance	function	tprint	function
setinsertlimit	function	trackers	data table
setinsertmultiplier	function	triggerbuildpage	function
setintegervalue	function	txtcatcodes	number
setinteraction	function	uccode	table
setlccode	function	uprint	function
setlinedir	function	useboxresource	function
setlist	function	userdiscoptioncodes	data table
setlocalbox	function	userglyphoptioncodes	data table

vrbcatcodes write number function

texconfig (basic tex)

buffersize	table	1	4-bl-
	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	
functionsize	number	poolsize	table
halferrorlinesize	table	N size	
N size		N step	
hashsize	table	propertiessize	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	write	function
forceendoffile	function	write_nl	function
getinputindex	function	writenl	function
getsourcefilename	function	writeselector	function
setlogfile	function	writeselectorlf	function
terminal	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 cmdchrcs	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
<pre>get_immutable</pre>	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
<pre>get_parameters</pre>	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
getcmdchrcs	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	scancstoken	function
scan_argument	function	scandelimited	function
scan_box	function	scandetokened	function
scan_cardinal	function	scandimen	function
scan_char	function	scandimenargument	function
scan_cmdchr	function	scandimension	function
scan_cmdchr_expanded	function	scandimensionargument	function
scan_code	function	scanfloat	function
scan_csname	function	scanglue	function
scan_delimited	function	scanint	function
scan_dimen	function	scaninteger	function
scan_dimen_argument	function	scanintegerargument	function
scan_float	function	scankey	function
scan_glue	function	scankeyword	function
scan_integer	function	scankeywordcs	function
scan_integer_argument		scanletters	function
scan_key	function	scanluacardinal	function
scan_keyword	function	scanluainteger	function
scan_keyword_cs	function	scanluanumber	function
scan_letters	function	scannext	function
scan_luacardinal	function	scannextchar	function
scan_luainteger	function	scannextexpanded	function
scan_luanumber	function	scanposit	function
scan_next	function	scanreal	function
scan_next_char	function	scanscale	function
scan_next_expanded	function	scanskip	function
scan_real	function	scanstring	function
scan_scale	function	scantoken	function
scan_skip	function	scantokencode	function
scan_string	function	scantokenlist	function
scan_token	function	scantokenstring	function
scan_token_code	function	scantoks	function
scan_tokenlist	function	scanvalue	function
scan_toks	function	scanword	function

serialize	function	setlua	function
set_char	function	setmacro	function
set_dimension	function	skip_next	function
set_integer	function	skip_next_expanded	function
set_lua	function	skipnext	function
set_macro	function	skipnextexpanded	function
setchar	function	type	function
setdimension	function	undefine_macro	function
setinteger	function	undefinemacro	function

tokens (context)

accessors	table	S todimen	
F active		S toglue	
F cmd		S tonumber	
F cmdchrcs		S tostring	
F cmdname		create	function
F command		defined	function
F csname		flags	function
F expandab	le	getinteger	function
F frozen		getters	table
F index		F box	
F name		F count	
F protecte	d	F cstoken	
F range		F dimen	
astable	function	F glue	
bits	table	F macro	
N active		F meaning	
N alignmen	t	F skip	
N begingro	up	F token	
N characte	r	gobble	function
N close		isdefined	function
N comment		istoken	function
N endgroup		new	function
N endoflin	e	pickup	function
N escape		popmacro	function
N ignore		presets	table
N invalid		T 1 argume	nt
N letter		T 1 intege	r
N mathshif	t	T 1 option	al
N open		T 1 string	
N other		T 2 argume	nts
N paramete	r	T 2 intege	rs
N space		T 2 option	als
N subscrip	t	T 2 string	S
N superscr	ipt	T 3 argume	nts
N whitespa	ce	T 3 intege	rs
cache	data table	T 3 option	als
commands	data table	T 3 string	s
compile	function	T 4 argume	nts
constant	function	T 4 intege	rs
converters	table	T 4 option	als
S toboolea	n	T 4 string	S

T 5 strin	gs	F lxmlid	
T 6 strin	gs	F next	
T 7 strin	gs	F nextchar	
T 8 strin	gs	F nextexpanded	
pushmacro	function	F number	
scanners	table	F optional	
F argumen	t	F peek	
F argumen	tasis	F peekchar	
F array		F peekexpanded	
F boolean		F posit	
F box		F real	
F bracket	ed	F scanclose	
F bracket	edasis	F scanopen	
F cardina	ι	F skip	
F char		F skipexpanded	
F cmdchr		F string	
F cmdchre	xpanded	F table	
F code		F token	
F conditi	onal	F tokencode	
F count		F tokenlist	
F csname		F tokens	
F csnameu	nchecked	F tokenstring	
F delimit	ed	F toks	
F detoken	ed	F value	
F dimen		F vbox	
F dimenar	gument	F verbatim	
F dimensi	on	F vtop	
F float		F whd	
F glue		F word	
F gluespe	c	setinteger funct:	ion
F glueval	ues	setters table	
F hash		F box	
F hbox		F char	
F integer		F count	
F integer	argument	F dimen	
Fischar		F glue	
F key		F lua	
F keyword		F macro	
F keyword	cs	F skip	
F letters		shortcuts table	
F list		T bits	
F luacard	inal	N active	
F luainte	ger	N alignment	
F luanumb	er	N begingroup	

N character	F bor
N close	F bxor
N comment	F ceil
N endgroup	F conj
N endofline	F copy
N escape	F cos
N ignore	F exp
N invalid	F exp2
N letter	F floor
N mathshift	F fromposit
N open	F integer
N other	F log
N parameter	F log10
N space	F log1p
N subscript	F log2
N superscript	F logb
N whitespace	F max
N close	F min
F inspect	F modf
N open	F new
T posit	F pow
F NaN	F rotate
F NaR	F round
Fadd	F rounded
Fband	F shift
Fbor	F sin
Fbxor	F sqrt
Fdiv	F tan
Feq	F tonumber
Fle	F toposit
Flt	F tostring
Fmul	F report
Sname	F scanargument
Fpow	F scanargumentasis
Fshl	F scanarray
Fshr	F scanboolean
Fsub	F scanbox
Ftostring	F scanbracketed
Funm	F scanbracketedasis
F abs	F scancardinal
F acos	F scanclose
F asin	F scancode
F atan	F scanconditional
F band	F scancsname

F hash F scancsnameunchecked F hbox F scandelimited 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 scanhbox F luainteger F scaninteger F luanumber F lxmlid F scanintegerargument F scankeyword F next F scankeywordcs F nextchar F scanletters F nextexpanded F scanlist F number T scanners F optional F argument F peek F argumentasis F peekchar F arrav F peekexpanded F boolean F posit F box F real F bracketed F scanclose F bracketedasis F scanopen F cardinal F skip F char F skipexpanded F cmdchr F string F cmdchrexpanded F table F code F token F conditional F tokencode F count F tokenlist F tokens F csname F csnameunchecked F tokenstring F delimited F toks F detokened F value F dimen F vbox F dimenargument F verbatim F dimension F vtop F float F whd F glue F word F scannumber F gluespec

F scanopen

F gluevalues

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 todimen	F pickup
T tokens	F popmacro
T accessors	T presets
F active	F pushmacro
F cmd	F setinteger
F cmdchrcs	T setters
F cmdname	F box
F command	F char
F csname	F count
F expandable	F dimen
F frozen	F glue
F index	F lua
F name	F macro
F protected	F skip
F range	T shortcuts
F astable	N close
D cache	F inspect
D commands	N open
F compile	F report
F constant	F scanargument
T converters	F scanargumentasis
S toboolean	F scanarray
S todimen	F scanboolean
S toglue	F scanbox
S tonumber	F scanbracketed
S tostring	F scanbracketedasis
F create	F scancardinal
F defined	F scanclose
F flags	F scancode
F getinteger	F scanconditional
T getters	F scancsname
F box	F scancsnameunchecked
F count	F scandelimited

F scandetokened F scanoptional
F scandimen F scanstring
F scandimenargument F scantable
F scandimension F scantokenlist
F scanfloat F scantokenstring

F scanglue F scantoks F scangluespec F scanybox F scangluevalues F scanverbatim F scanhash F scanvtop F scanhbox F scanword F toboolean F scaninteger F todimen F scanintegerargument F scankeyword F tonumber F scankeywordcs F tostring F scanletters D values F scanlist F tonumber

F scanopen values data table

F tostring

F scannumber

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	
F define		T handlers	
F handler		F installhandler	
F last		F set	
D mapping		F setcolor	
T methods		F tomode	
T numbers		firstlines	table
F set		T actions	
F setreplacemen	t	F default	
F show		F line	
cases	table	F word	
T actions		F handler	
F handler		F set	
F register		fontkerns	table
F set		F handler	
characteralign	table	initials	table
F handler		T actions	
F resetcharacte	ralign	F default	
F setcharactera	lign	F handler	
characters	table	F set	
F handler		injectors	table
T methods		F check	
F replacenbsp		T list	
F replacenbspac	es	F mark	
checkers	table	F reset	
F handler		F set	
F reset		F show	
F set		italics	table
cleaners	table	F enablemath	
F handler		F enabletext	
F set		F handler	
corrections	table	kerns	table
F handler		D factors	
digits	table	F handler	
T actions		F keepligature	
F handler		D mapping	
F set		F set	
directions	table	localboxes	table
F getfences		F handler	
F getglobal		manipulators	table

F apply F tostrina F applyspecification rubies table T methods F attach F Word F check showinvisibles function F Words F abbreviatedjournal showsuspects function table spacings F expandedjournal F lowercase F define F handler F stripperiod 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 table table paragraphs tiahten 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 table processors 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 set reflow height F startapply F set_reflow_width F stopapply F stripped

updaters (context)

apply function
register function

url (context)

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

utf8 (basic lua)

char	function	codes	function
charpattern	string	len	function
codepoint	function	offset	function

utilities (context)

dobuggon	+ahla		
debugger	table	F readsignedbyt	9
F disable		F readstring	
F enable		F readtag	
F savestats		F setposition	
F showstats		F size	
F showtraceback		F skip	
files	table	F skiplong	
F close		F skipposition	
F getposition		F skipshort	
F getsize		F writebyte	
F look		F writecardinal	
F open		F writecardinal	
F read2dot14		F writecardinal	
F readbyte		F writecardinal	
F readbytes		F writecardinal	
F readbytetable	2	F writecardinal	
F readcardinal		F writecardinal	
F readcardinal1		F writecardinal	4le
F readcardinal1		F writeinteger1	
F readcardinal2		F writeinteger1	le
F readcardinal2		F writeinteger2	
F readcardinal3		F writeinteger2	le
F readcardinal3		F writeinteger3	
F readcardinal4		F writeinteger3le	
F readcardinal4		F writeinteger4	
F readcardinalt	table	F writeinteger4	le
F readchar		F writestring	
F readcline		formatters	table
F readcstring		F formatcolumns	
F readfixed2		F list	
F readfixed4		F stripzeros	
F readinteger		ghostscript	table
F readinteger1		F convert	
F readinteger1l	Le	F statistics	
F readinteger2		graphicmagick	table
F readinteger2l	le	F convert	
F readinteger3		F statistics	
F readinteger3l	le	graphicsmagick	table
F readinteger4		F convert	
F readinteger4l	le	F statistics	
F readintegerta	able	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	U settings_to_hash_c
F hashed	U settings_to_hash_d
F new	U unittotex
F pack	F process_stripped_settings
F simplehashed	F rfc4180splitter
F strip	F runtime
F unpack	F settings_to_array
N version parsers table	F settings_to_array_obey_fences
F 3.3.10	F settings_to_array_with_repeat
F add_settings_to_array	F settings_to_hash
<pre>F arguments_to_table F array to string</pre>	<pre>F settings_to_hash_colon_too F settings to hash strict</pre>
F csvsplitter	F settings to hash tolerant
F getparameters	F settings_to_numbers
F groupedsplitat	F settings_to_set
F hash to string	F simple hash to string
T hashes	F splitmethod
T settings to list	F splitthousands
T tablet	F stepper
T settings to set	F stripped settings to array
T min,max,fit,broad,auto	F totime

F unittotex		F	show	
F unittoxml		stac	ker	table
randomizer	table		new	
F get		stor	age	table
F getnumber		F	allocate	
F getrepeatable		F	checked	
F getrepeatables	eed	F	mark	
F getseed		F	marked	
F newrepeatable		F	setinitializer	
F popseed		F	sparse	
F pushseed		stre	ams	table
F repeatable		F	close	
F reuseseed		F	getposition	
F setseed		F	getsize	
F setseedi		F	getstring	
randomizers	table	F	look	
F poisson		F	open	
sequencers	table	F	openstring	
F appendaction		F	read2dot14	
F appendgroup		F	readbyte	
F compile		F	readbytes	
F disableaction		F	readbytetable	
F disablegroup		F	readcardinal	
F enableaction		F	readcardinal1	
F enablegroup		F	readcardinal1le	9
D functions		F	readcardinal2	
F localize		F	readcardinal2le	9
F new		F	readcardinal3	
F nodeprocessor		F	readcardinal3le	9
F prependaction		F	readcardinal4	
F prependgroup		F	readcardinal4le	9
F removeaction		F	readcardinalta	ole
F replaceaction		F	readchar	
F setkind		F	readcline	
F tostring		F	readcstring	
setters	table	F	readfixed2	
F disable		F	readfixed4	
F enable		F	readinteger	
F initialize		F	readinteger1	
F list		F	readinteger1le	
F new			readinteger2	
F register		F	readinteger2le	
F report		F	readinteger3	
F reset		F	readinteger3le	

Fre	adinteger4	F definedtable
	adinteger4le	F definetable
	adintegertable	F encapsulate
	adsignedbyte	F insertaftervalue
	adstring	F insertbeforevalue
	tposition	F migratetable
F siz		F removevalue
F ski		F replacevalue
	ipbytes	tar table
	iplong	T archives
	ipshort	F closearchive
	cardinal1	T files
	cardinal1le	F fetch
	cardinal2	F hash
	cardinal2le	F list
F too	cardinal3	F pack
F too	cardinal3le	F unpack
F too	cardinal4	F openarchive
F too	cardinal4le	T registeredfiles
string	s table	T streams
F col	llapse	F fetch
F col	llapsecrlf	F hash
T for	rmatters	F list
Fa	add	F pack
Fn	new	F unpack
F nev	wcollector	T strings
F nev	wrepeater	F fetch
Fnio	ce	F hash
T sti	riplinepatterns	F list
Uc	collapse	F pack
Uc	collapse all	F unpack
U p	orune	templates table
U p	orune and collapse	F load
U p	orune and no empty	F replace
U p	orune and to space	F replacer
Ur	retain	F resolve
U retain and collapse		zipfiles table
U retain and no empty		F close
F striplines		F found
F striplong		F hash
F tabtospace		F list
T tra		F open
tables	table	F unzip

previous 179 next

F accesstable

F zipdir

visualizers (context)

escapepatterns	data table	signal	string
• •		•	3
getspecification	function	signalpattern	userdata
getvisualizer	function	specifications	data table
load	function	visualize	function
makenested	function	visualizebuffer	function
makepattern	function	visualizefile	function
newgrammar	function	visualizestring	function
newhandler	function	write	function
parsedxml	function	writeargument	function
pattern	function	writedefault	function
register	function	writeemptyline	function
registerescapecommand	function	writenewline	function
registerescapeline	function	writespace	function
registerescapepattern	function		

xcomplex (extra lua)

I	function	cos	function
add	function	cosh	function
div	function	exp	function
eq	function	i	function
mul	function	imag	function
name	string	log	function
pow	function	new	function
sub	function	pow	function
tostring	function	proj	function
unm	function	real	function
abs	function	sin	function
acos	function	sinh	function
acosh	function	sqrt	function
arg	function	tan	function
asin	function	tanh	function
asinh	function	topair	function
atan	function	tostring	function
atanh	function	totable	function
conj	function		

xdecimal (extra lua)

add	function	bxor	function
band	function	conj	function
bor	function	сору	function
bxor	function	exp	function
div	function	getprecision	function
eq	function	ln	function
idiv	function	log	function
le	function	max	function
lt	function	min	function
mod	function	minus	function
mul	function	new	function
name	string	plus	function
pow	function	pow	function
shl	function	rotate	function
shr	function	setprecision	function
sub	function	shift	function
tostring	function	sqrt	function
unm	function	toengstring	function
abs	function	tonumber	function
band	function	tostring	function
bor	function	trim	function

xmath (extra lua)

acos	function	isnormal	function
acosh	function	j0	function
asin	function	j1	function
asinh	function	jn	function
atan	function	ldexp	function
atan2	function	lgamma	function
atanh	function	log	function
cbrt	function	log10	function
ceil	function	log1p	function
copysign	function	log2	function
cos	function	logb	function
cosh	function	modf	function
deg	function	nan	number
erf	function	nearbyint	function
erfc	function	nextafter	function
exp	function	pi	number
exp2	function	pow	function
expm1	function	rad	function
fabs	function	remainder	function
fdim	function	remquo	function
floor	function	round	function
fma	function	scalbn	function
fmax	function	sin	function
fmin	function	sinh	function
fmod	function	sqrt	function
frexp	function	tan	function
gamma	function	tanh	function
hypot	function	tgamma	function
inf	number	trunc	function
isfinite	function	yθ	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	
cdata	function	D verbose	
cdatatotext	function	defaultprotocol	string
checkbom	function	delete	function
checkedempty	function	delete_element	function
checkerror	function	despecialized	function
checknamespace	function	each	function
checkns	function	each_element	function
cleansed	function	elements	function
collect	function	elementtocdata	function
<pre>collect_elements</pre>	function	empty	function
collect_tags	function	entities	data table
collect_texts	function	erase	function
collected	function	errorhandler	function
collecttexts	function	escaped	function
compactelement	function	expand	function
content	function	expressions	table
convert	function	F attribute	
сору	function	F boolean	
count	function	F child	
cprint	function	F contains	
CSS	table	F count	
F applyselector		F error	
F colorspecification		F find	
F dimension		F hasclass	

F idstring		F 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	
Flast		F upperall	
F lettered		F url first	function
F lower			function
F lowerall		found	function
F match		functions	table
F name		F classes	
F param		F hasclass getbuffer	function
F parameter		gethandlers	function
F position F reverse		gethandlersfunction	function
		helpers	table
F stripped		F recursetext	tante
F tag		r recursetext	

include	function	F tex	
inclusion	function	placeholders	table
inclusions	function	F unknown any entity	cabic
index	function	F unknown dec entity	
inheritattributes	function	F unknown hex entity	
inheritedconvert	function	popmatch	function
inject	function	position	function
inject_element	function	privatecodes	data table
inject_element_after	function	privatetoken	function
inject_element_before		process	function
injectafter	function	process_attributes	function
injectbefore	function	process_elements	function
insert	function	processattributes	function
insert element	function	profiled	table
insert_element_after	function	pure	function
insert element before		pushmatch	function
insertafter	function	raw	function
insertbefore	function	registerentity	function
insertcdata	function	registerns	function
insertcomment	function	reindex	function
inspect	function	remap name	function
is_valid	function	remap namespace	function
kind	function	remap tag	function
last	function	remapname	function
lastmatch	function	remapnamespace	function
load	function	remaptag	function
lpath	function	rename	function
lpathcached	function	renamespace	function
lpathcalls	function	reparsedentitylpeg	userdata
lshow	function	replace	function
makestandalone	function	replace_element	function
match	function	resetinjectors	function
mml	table	resolvens	function
F stripped		root	function
F verbose		save	function
name	function	selection	function
newhandlers	function	separate	function
nodesettostring	function	serialize	function
originalload	function	serializetotext	function
package	function	setcdata	function
parent	function	setcomment	function
parsedentitylpeg	userdata	sethandlersfunction	function
pihandlers	table	setinjectors	function
F injector		setproperty	function

settings	function
specialcodes	data table
specialhandler	table
sprint	function
string	function
strip	function
strip_whitespace	function
stripelement	function
stripleadingspaces	function
table	function
text	function
textonly	function
texttocdata	function
tocdata	function
toelement	function

tostring	function
totable	function
toxml	function
tprint	function
traverse	function
unescaped	function
unescapedentitylpeg	userdata
unprivatized	function
unspecialized	function
wipe	function
withelement	function
withelements	function
wrap	function
xmlns	table

xzip (extra lua)

adler32	function	crc32	function
compress	function	decompress	function
compresssize	function	decompresssize	function

zip (context)

archives table
closearchive function

openarchive function
registeredfiles table

zlib (context)

adler32	function	crc32	function
compress	function	decompress	function
compresssize	function	decompresssize	function