

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

ConTeXt LMTX

global (alias: _G)

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

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

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

aes (extra lua)

decode function
encode function

random function

attributes (context)

alternates	table	F formatcolor F formatgray F formatluminance F formatluminanceratio F getpagecolormodel F gray F graytohsv F handler T helpers F complement F inbetween F justone F hsvtogram F hsvtorgb F hwbtorbg F iccprofile F isblack F labtolch F labtorgb F labtoxyz F lchtolab F lchtorgb N main S model D models F mpcolor F mpnamedcolor F mpoptions F namedcolorattributes N none F popset F processcolorcomponents F pushset F register D registered F registerspotcolor F rgbrgb F rgbcmyk F rgbtocmyk F rgbtogray F rgbohsv
applyoverloads	function	
checkvalues	function	
colorintents	table	
N attribute D data F enable F handler F register D registered D values		
colors	table	
N attribute F cmyk F cmyktogray F cmyktorgb F colorcomponents D counts B couple F currentmodel F currentnamedmodel D data N default F defineintermediatecolor F definemultitonecolor F defineprocesscolor F defineprocesscolordirect F definesimplegray F definespotcolor F definetransparency F enable F filter N forced F forcedmodel F forcesupport		

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

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

backends (context)

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

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

F rgbindexcolor
F rgbspotcolor
F spotcolorname
F transparency
T tables

registrations table
setencryption function
tables table
writeout function

basexx (extra lua)

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

bit32 (context)

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

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

blobs (context)

append	function	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
getline	function	run	function
getmkvi	function	samplefile	function
gettex	function	splitsamplefile	function
loadcontent	function	undent	function

builders (context)

checkparcontext	function	F start
checksidefloat	function	F stop
hpack	table	F tag
		parpassidentifier function
		passnames data table
		profiling table
		F add
		F adddrivers
		F boxlinehandler
		F distance
		F fixedprofile
		F get
		F getrivers
		F list
		F pagehandler
		F pagelinehandler
		F profilebox
		F profilelines
		F set
		F setlines
		registerpaspasscallback function
		vpack table
		F qualityactions
		F report
		vspacing table
		D categories
		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 injectdisable
		F injectnowhite

F injectpenalty	F setmap
F injectskip	F setskip
F interceptsamepagecontent	F snapbox
F pagehandler	F synchronizepage
F pageoverflow	F tocATEGORIES
F popatsame	F tocATEGORY
F pushatsame	F vboxhandler

bytemap (context)

bounds	function	new	function
clip	function	newdomain	function
copy	function	process	function
dimensions	function	reduce	function
domain	function	reset	function
downgrade	function	setgray	function
downsample	function	setgrayadd	function
getbyte	function	setgraymin	function
getbytes	function	setrgb	function
getvalue	function	slicegray	function
hasbytegray	function	slicerange	function
hasbyterange	function	slicergb	function
hasbytergb	function		

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

callbacks (context)

freeze	function	N local_box
functions	table	N make_extensible
F start_page_number		N math_rule
F stop_page_number		N missing_character
getcomment	function	N mlist_to_hlist
getstates	function	N open_data_file
known	function	N packed_vbox
list	table	N paragraph_context
N alignment		N paragraph_pass
N append_adjust		N post_linebreak
N append_line		N pre_dump
N append_migrate		N pre_linebreak
N append_to_vlist		N pre_output
N balance_boundary		N process_character
N balance_check		N process_jobname
N balance_insert		N quality_font
N begin_paragraph		N register_extensible
N buildpage		N show_build
N define_font		N show_error_message
N find_format_file		N show_loners
N find_log_file		N show_lua_call
N get_attribute		N show_vsplit
N get_math_dictionary		N show_warning_message
N get_noad_class		N show_whatsit
N glyph_run		N start_file
N handle_overload		N start_run
N handle_uinsert		N stop_file
N handle_uleader		N stop_run
N hpack		N tail_append
N hpack_quality		N test_only
N hyphenate		N trace_memory
N insert_distance		N vpack
N insert_par		N vpack_quality
N intercept_lua_error		N wrapup_run
N intercept_tex_error		names table
N italic_correction		optimizer function
N kerning		optionbits table
N ligaturing		optioncodes table
N linebreak		N direct
N linebreak_check		N trace
N linebreak_quality		pop function

push	function	N fundamental
register	function	N private
report	function	N selective
statebits	table	N set
statecodes	table	N touched
	N disabled	N tracing
	N frozen	

catcodes (context)

names data table
numbers data table

register function

characters (context)

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

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

chemistry (context)

component	function	S line
define	function	S lrn
definitions	data table	S lrt
format	string	S mark
inlinechemical	function	S mir
instance	string	S mov
method	string	S move
molecule	function	S number
moleculeparser	userdata	S oe
start	function	S off
stop	function	S r
syntax	table	S rb
T alkyl		S rbd
S category		S rd
T keys		S rdb
S ad		S rdd
S adj		S rh
S arrow		S rm
S au		S rn
S b		S rot
S bb		S rrn
S bd		S rrt
S bw		S rt
S c		S rz
S cc		S sb
S ccd		S sd
S cd		S sr
S cz		S sub
S dash		S tb
S db		S z
S diff		S zln
S dir		S zlt
S dr		S zn
S ed		S zrn
S ep		S zrt
S es		S zt
S et		S keyword
S hb		N max
S label		T boat
S ldb		S category
S ldd		T keys

S adj	S rt
S arrow	S rz
S b	S sb
S bb	S sr
S c	S sub
S cc	S z
S ccd	S zln
S cd	S zlt
S dash	S zn
S diff	S zrn
S eb	S zrt
S label	S zt
S line	S keyword
S lr	N max
S lrb	T carbon
S lrbd	S category
S lrd	S keyword
S lrh	N max
S lrn	T chair
S lrt	S category
S lrz	S keyword
S lsr	N max
S lsub	T chem
S mark	N arguments
S mov	F direct
S move	T closecomplex
S number	S direct
S off	T eight
S r	S category
S rb	T keys
S rbd	S ad
S rd	S adj
S rh	S arrow
S rn	S au
S rr	S b
S rrb	S c
S rrbd	S cc
S rrd	S ccd
S rrh	S cd
S rrn	S crz
S rrt	S dash
S rrz	S db
S rsr	S diff
S rsub	S dr

S eb	S rz
S ed	S s
S er	S sb
S hb	S sr
S label	S ss
S line	S sub
S lr	S z
S lrb	S zln
S lrbd	S zlt
S lrd	S zn
S lrh	S zrn
S lrn	S zrt
S lrt	S zt
S lrz	S keyword
S lsr	N max
S lsub	T equals
S mark	S direct
S mid	T equilibrium
S mids	N arguments
S midz	F direct
S mir	T five
S mov	S category
S move	S keyword
S number	N max
S off	T fivefront
S r	S category
S rb	S keyword
S rbd	N max
S rd	T four
S rh	S category
S rm	S keyword
S rn	N max
S rot	T gives
S rr	N arguments
S rrb	F direct
S rrbd	T mesomeric
S rrd	N arguments
S rrh	F direct
S rrn	T minus
S rrt	S direct
S rrz	T mp
S rsr	N arguments
S rsub	F direct
S rt	T newmaneclipsed

S category	S direct
S keyword	T restore
N max	S direct
T newmanstagger	T save
S category	S direct
S keyword	T seven
N max	S category
T nine	S keyword
S category	N max
S keyword	T six
N max	S category
T one	S keyword
S category	N max
S keyword	T sixfront
N max	S category
T opencomplex	S keyword
S direct	N max
T pb	T space
S direct	S direct
T pe	T three
S direct	S category
T plus	S keyword
S direct	N max
T reset	undefined 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	maxchr	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	spacedigits	function
chineseallnumerals	function	spanishnumerals	function
chinesecapnumerals	function	textime	function
chinesedatenumerals	function	toabjad	function
chinesenumerals	function	tochinese	function
chr	function	tohebrew	function
chrss	function	toroman	function
cn	function	totime	function

uchexnumber	function	F translate	
uchexnumbers	function	weekday	function
upper	function	word	function
verbose	table	words	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	preffiles	data table
preparedfile	function	resolve	function

debug (basic lua)

getinfo	function	traceback	function
sethook	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	register	function
default	function	report	function
disable	function	reset	function
done	table	show	function
enable	function	value	function
list	function	values	function
name	string		

document (context)

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

documentdata (context)

variable function

drivers (context)

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

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

effects (context)

getoctaveloops	function	octavebytemap	function
getoctavemethods	function	perlinnoise	function
getoctavestatus	function	simplexangle	function
getoctavevariants	function	simplexdetail	function
newoctave	function	simplexnoise	function
octave	function	steooctave	function

environment (context)

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

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)

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

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

file (basic lua)

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

fio (extra lua)

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

floats (context)

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

font (basic tex)

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

fonts (context)

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

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

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

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

T vectors	F combine
T arab	T combiner
T gpos	D commands
N curs	D helpers
N kern	D math
N mark	D predefined
N mkmk	N version
T gsub	D whatever
N calt	F hashfeatures
N ccmp	F hashinstance
N cswh	T hashmethods
N dlig	F normal
N fina	F virtual
N init	F initializefeatures
N isol	D loadedfonts
N liga	N noffontsloaded
N medi	Nnofsharedfonts
N mset	Nnofsharedhashes
N rclt	Nnofsharedvectors
N rlig	Nprivateoffset
N version	Dprivateslots
T pfb	Freadanddefine
Ffilterencoding	Fregisterfeature
Ffiltermetadata	Fregisterscriptset
Floadvector	Fresetfeature
Nversion	Bresolvevirtualtoo
Ttfm	Fscale
Dcache	Fscaled
Dfeatures	Fsetfactor
Nmaxnestingdepth	Fsetfeature
Nmaxnestingsize	Fsetmathparameter
Treaders	Fsetname
Floadpk	Bsharefonts
Floadtfm	Ftrytosharefont
Floadtfmvf	Nversion
Floadvf	current function
Fpktopdf	currentid function
Fpotracedtopdf	definers table
Fshowpk	Faddlookup
Freencode	Fanalyze
Fsetfeatures	Fapplypostprocessors
Nversion	Fcheckedmode
Tvf	Fcheckedscript
Tcombinations	Sdefaultlookup

F define		enhanceid	function
F getspecification		expansions	data table
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 registerfallbackfont		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 addmathkerns	
encodings	table	F braille	
T agl		F eulertocalligraphic	
D ctxcodes		F fallbacks	
D extras		F moderntocalligraphic	
D synonyms		F moveintegrals	
D unicodes		F moveitalics	
D cache		F pagellaradical	
F is_known		F rsfstoscript	
D known		F rsfsuprighttoscript	
F load		F scripttocalligraphic	
F make_unicode_vector		F smalldigits	
D math		F wipeanchors	
N version		F wipeitalics	

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

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

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

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

S effect	B liga
N number	B mark
T boldened-30	B mkmk
S effect	S mode
N number	N number
T ca	S script
S language	S textcontrol
N number	B wipemath
S script	T cy
T camelcasing	S language
B camelcasing	N number
N number	S script
T cn	T cz
S language	S language
N number	N number
S script	S script
T color	T de
B ccmp	S language
S color	N number
B dist	S script
N number	T default
T color:bitmap	S autolanguage
B ccmp	S autoscript
B dist	B checkmissing
N number	B compoundhyphen
B sbix	B curs
T color:overlay	B itlc
B ccmp	B kern
B colr	B liga
B dist	B mark
N number	B mkmk
T color:svg	S mode
B ccmp	N number
B dist	S script
N number	S textcontrol
B svg	B wipemath
T complete	T deo
S autolanguage	S language
S autoscript	N number
B checkmissing	S script
B compose	T devanagari-one
B compoundhyphen	B abvm
B curs	B abvs
B kern	B akhn

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

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

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

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

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

B compactmath	B isol
B flattenaccents	B itlc
B kern	B kern
S language	B lig
B mathalternates	B mark
S mathexpansion	B medi
S mode	B mkmk
N number	S mode
S script	S mset
N ssty	N number
B wipemath	B rclt
T math-text	B rlig
B compactmath	S script
B flattenaccents	S textcontrol
B kern	B wipemath
S language	T nl
B mathalternates	S language
S mathexpansion	N number
S mode	S script
N number	T none
S script	B features
B ssty	S mode
B wipemath	N number
T mathematics	T oldstyle
B compactmath	S autolangauge
B flattenaccents	S autoscript
B kern	B checkmissing
S language	B compoundhyphen
B mathalternates	B curs
S mathexpansion	B kern
S mode	B lig
N number	B mark
S script	B mkmk
B wipemath	S mode
T mixed	N number
T mongolian	B onum
S autolangauge	S script
S autoscript	S textcontrol
B calt	B wipemath
B checkmissing	T oldstylenumbers
B compoundhyphen	N number
B curs	B onum
B fina	T original
B init	S autolangauge

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

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

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

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

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

functions (context)

dummy function

graphics (context)

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

gzip (context)

compress function
compressed function
decompress function

load function
save function
suffix function

helper (context)

getprofile	function	snaplist	function
mathnested	function	traversecharmethod	function
mathprocess	function	traverseglyphmethod	function
mathstep	function	traversehorizontal	function
snapindeed	function	traversevertical	function

images (context)

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

interactions (context)

attachments	data table	D functions
fields	table	D preambles
F clone		F setpreamble
F define		F storecode
F defineset		F storepreamble
F insert		F usepreamblenow
general	table	F usescripts
F getidentity		
F getidentityvariable		
help	table	
F collect		
F reference		
F register		
javascripts	table	
F addtopreamble		
F code		
D codes		
F flushpreambles		
		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	D collected
datasets	table	F countervalue
D collected		F extend
F extend		F realpage
F getdata		F realpageorder
F setdata		F setstate
D tobesaved		D tobesaved
disablesave	function	parwrappers
embedded	table	table
D collected		D collected
D tobesaved		D tobesaved
fileobjreferences	table	positions
D collected		F b_column
D tobesaved		F b_region
files	table	F c
D collected		D collected
F context		F column
B forcerun		F columnofpos
F run		F copy
D tobesaved		F depth
getrandomseed	function	F e_column
initialize	function	F e_region
linkedlists	table	F enhance
D collected		F extra
D tobesaved		F get
load	function	F getcolumndata
loadother	function	F getfree
meshedup	table	F gethpos
D collected		F gethvpos
D tobesaved		F getpos
objects	table	F getreserved
D collected		F getrpos
F get		F getsync
F number		F gettobesaved
F page		F getvpos
F save		F hangafter
F set		F hangindent
D tobesaved		F height
pack	boolean	F hsize
packversion	number	N lastr
pagestates	table	N lastx
		N lasty

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

language (basic tex)

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

languages (context)

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

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

layouts (context)

getcanvas function
getpagedimensions function
setupcanvas function

status table
F isleftpage
F leftorrightpageaction

lfs (extra lua)

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

libraries (context)

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

extratex data table
functions data table
globals data table
optional data table

lmx (context)

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

logs (context)

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

lpdf (context)

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

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

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

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

lpeg (basic lua)

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

lua (basic tex)

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

luac (extra lua)

inspect function

print function

luatex (context)

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

lxml (context)

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

pushmatch	function	sorters	table
raw	function	F add	
rawroot	function	F compare	
rawtex	function	F flush	
refatt	function	F reset	
register	function	F show	
registerentity	function	F sort	
removesetup	function	splitid	function
replace	function	startraw	function
resetcdata	function	startunescape	function
resetsetups	function	stopraw	function
resolvedentity	function	stopunescape	function
root	function	store	function
save	function	strip	function
serialize	function	stripped	function
setaction	function	tag	function
setatt	function	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
setup	function	xmltexhandler	data table
snippet	function		

math (basic lua)

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

mathematics (context)

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

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

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

md5 (extra lua)

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

metapost (context)

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

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

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

N tokenlist	N unknownstring
N transform	N unsuffixedmacro
N unknownboolean	N vacuous
N unknownnep	typesvgpage function
N unknownpath	unload function
N unknownpen	untagvariable function
N unknownpicture	variables table

mime (context)

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

mp (context)

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

lmt_contours_edge_set	function	loadbytemap	function
lmt_contours_edge_set_by_band	function	loadbytemapfile	function
lmt_contours_edge_set_by_cell	function	mesh_register	function
lmt_contours_format	function	mf_blob_add	function
lmt_contours_function	function	mf_blob_dimensions	function
lmt_contours_maxmean	function	mf_blob_index	function
lmt_contours_maxz	function	mf_blob_new	function
lmt_contours_minmean	function	mf_blob_raw_content	function
lmt_contours_minz	function	mf_blob_raw_dimensions	function
lmt_contours_nofvalues	function	mf_blob_raw_reset	function
lmt_contours_nx	function	mf_blob_raw_toutf	function
lmt_contours_ny	function	mf_blob_raw_wipe	function
lmt_contours_range	function	mf_blob_size	function
lmt_contours_shade_paths	function	mf_blob_width	function
lmt_contours_shade_set	function	mf_external_figure	function
lmt_contours_shape_paths	function	mf_finish_saving_data	function
lmt_contours_start	function	mf_formatted_text	function
lmt_contours_stop	function	mf_get_outline_text	function
lmt_contours_value	function	mf_graphic_text	function
lmt_contours_xrange	function	mf_inject_blob	function
lmt_contours_yrange	function	mf_map_move	function
lmt_function_x	function	mf_map_text	function
lmt_glyphshape Accent	function	mf_named_color	function
lmt_glyphshape baseline	function	mf_outline_text	function
lmt_glyphshape boundingbox	function	mf_save_data	function
lmt_glyphshape depth	function	mf_script_index	function
lmt_glyphshape height	function	mf_start_saving_data	function
lmt_glyphshape italic	function	mf_stop_saving_data	function
lmt_glyphshape llx	function	mode	function
lmt_glyphshape n	function	n	function
lmt_glyphshape path	function	newbytemap	function
lmt_glyphshape start	function	number	function
lmt_glyphshape stop	function	numeric	function
lmt_glyphshape usedbox	function	pair	function
lmt_glyphshape usedline	function	pairpoints	function
lmt_glyphshape width	function	path	function
lmt_mesh_set	function	pathpoints	function
lmt_mesh_update	function	points	function
lmt_poisson_generate	function	print	function
lmt_start_potrace	function	F boolean	
lmt_step_potrace	function	F color	
lmt_stop_potrace	function	F direct	
lmt_surface_do	function	F draw	
lmt_svg_include	function	F fill	

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

mplib (extra tex)

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

nanojpeg (context)

decode function

noads (context)

getmathmode	function	F showtree
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		processnested function
F intervals		processors table
F kernpairs		T dictionaries
F makeup		T intervals
F normalize		T suspicious
F numbers		T unscript
F relocate		T unstack
F render		processouter function

node (basic tex)

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

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

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

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

instock	function	setglue	function
intracking	function	setProperty	function
inuse	function	show	function
isnode	function	size	function
iszeroogue	function	slide	function
kerning	function	subtypes	function
lastnode	function	tail	function
length	function	todirect	function
ligaturing	function	tonode	function
makeextensible	function	toString	function
mlisttohlist	function	traverse	function
new	function	traverseid	function
protectglyph	function	type	function
protectglyphs	function	types	function
protrusionskipable	function	unprotectglyph	function
rangedimensions	function	unprotectglyphs	function
remove	function	unsetattribute	function
serialized	function	usedlist	function
setattribute	function	usesfont	function
setfield	function	vpack	function
setfielderror	function	write	function

nodes (context)

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

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

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

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

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

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

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

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

rules	table	T glyphs	
F handler		F set	
F process		subtypes	data table
F set		tail	function
F userrule		takeattr	function
serialize	function	takebox	function
serializebox	function	tasks	table
serialized	function	F actions	
setattr	function	F appendaction	
setattribute	function	F disableaction	
setattrlist	function	F disablegroup	
setboth	function	F enableaction	
setbox	function	F enablegroup	
setboxtonaturalwd	function	F freeze	
setchar	function	F freezegroup	
setfield	function	F new	
setFont	function	F prependaction	
setleader	function	F removeaction	
setlink	function	F replaceaction	
setlist	function	F restart	
setnext	function	F setaction	
setprev	function	F showactions	
setProperty	function	F table	
shadows	table	tobasepoints	function
F handler		tocentimeters	function
F set		tociceros	function
shifts	table	todidots	function
F handler		todimen	function
F set		toinches	function
showboxes	function	tomillimeters	function
showlist	function	tonode	function
showsimplist	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	touft	function
startofpar	function	tracers	table
stripdiscretionaries	function	T colors	
stripping	table	F reset	

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

N math	N vglue
N mathglue	N vkern
N mathkern	N vpenalty
N origin	N vtop
N par	N whatsit
N penalty	F register
N simple	F registercache
N simplehbox	F setfont
N simplevbox	F setlayer
N simplevtop	F setruledglyph
N space	F setvisual
N strut	vpack
N toddler	whatsitcodes
N user	write
N vbox	function
	data table
	function

number (context)

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

objects (context)

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

optional (context)

curl	table	library	table
F escape		F load	
F fetch		loaded	table
F getversion		lz4	table
F initialize		F compress	
F unescape		F decompresssize	
foreign	table	F framecompress	
F abivalue		F framedecompress	
F getbuffer		F initialize	
F initialize		lzma	table
F load		F compress	
F newbuffer		F decompress	
F totable		F initialize	
F types		lzo	table
ghostscript	table	F compress	
F execute		F decompresssize	
F initialize		F initialize	
graphicsmagick	table	muj	table
F execute		F dofile	
F getnoisetypes		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_name		postgress	table
F var_value		F close	

F execute
F getmessage
F initialize
F open
sqlite **table**
F close
F execute
F getmessage
F initialize

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

os (basic lua)

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

package (basic lua)

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

pagebuilders (context)

columnsets table

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

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

injections table

F flushafter
F flushbefore
F save

mixedcolumns table

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

pdf (context)

immediateobj function

pdfe (extra tex)

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

physics (context)

units table

F registershortcut

F registerunit

D tables

pngdecode (extra tex)

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

posit (extra lua)

<code>NaN</code>	function	<code>exp2</code>	function
<code>NaN</code>	function	<code>expand</code>	function
<code>_add</code>	function	<code>floor</code>	function
<code>_band</code>	function	<code>frombyte</code>	function
<code>_bor</code>	function	<code>fromchar</code>	function
<code>_bxor</code>	function	<code>fromposit</code>	function
<code>_div</code>	function	<code>integer</code>	function
<code>_eq</code>	function	<code>log</code>	function
<code>_le</code>	function	<code>log10</code>	function
<code>_lt</code>	function	<code>log1p</code>	function
<code>_mul</code>	function	<code>log2</code>	function
<code>_name</code>	string	<code>logb</code>	function
<code>_pow</code>	function	<code>max</code>	function
<code>_shl</code>	function	<code>min</code>	function
<code>_shr</code>	function	<code>modf</code>	function
<code>_sub</code>	function	<code>new</code>	function
<code>_tostring</code>	function	<code>pow</code>	function
<code>_unm</code>	function	<code>rotate</code>	function
<code>abs</code>	function	<code>round</code>	function
<code>acos</code>	function	<code>rounded</code>	function
<code>asin</code>	function	<code>shift</code>	function
<code>atan</code>	function	<code>sin</code>	function
<code>band</code>	function	<code>sqrt</code>	function
<code>bor</code>	function	<code>tan</code>	function
<code>bxor</code>	function	<code>tobyte</code>	function
<code>ceil</code>	function	<code>tochar</code>	function
<code>conj</code>	function	<code>tonumber</code>	function
<code>copy</code>	function	<code>toposit</code>	function
<code>cos</code>	function	<code>tostring</code>	function
<code>exp</code>	function		

potrace (extra tex)

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

publications (context)

addtexentry	function	concatstate	function
analyze	function	converttoxml	function
anywhere	function	currentspecification	table
authorcache	data table	S author	
authorcollapsers	data table	T categories	
authorhashers	table	T article	
F invertedshort		S category	
F normal		T extra	
F normalinverted		T fields	
F normalshort		S author	
F sequential		S editor	
F sequentialshort		S journal	
F short		S keywords	
authormap	data table	S note	
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	T attr
T author	B dirty
T virtual	T gskip
T demo-b	T kind
S category	T list
T extra	T system
T fields	T order
S author	N steps
S institution	enhancers table
S organization	F details
S subtitle	F order
S title	F suffixes
S year	finder function
T optional	firstofrange function
T required	found function
T sets	get function
T authors	getcasted function
T virtual	getdetail function
S comment	getdirect function
S copyright	getfaster function
T fields	getfield function
S name	getfuzzy function
T types	getindex function
S author	inspectors data table
S editor	journals table
S keywords	F abbreviated
S number	F add

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

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

qrcodegen (context)

bitmap function
generate function

regimes (context)

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

resolvers (context)

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

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

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

sandbox (context)

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

scripts (context)

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

serial (context)

__gc function
__name string
_tostring function
close function

open function
send function
tostring function
write function

set (context)

contains function
create function
tolist function

tonumber function
totable function

sha2 (extra lua)

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

sio (extra lua)

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

socket (extra lua)

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

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

sorters (context)

basicsorter	function	B pm
comparers	table	B uc
F basic		B zc
constants	table	B zm
S defaultdigits		definitions data table
S defaultlanguage		firstofsplit function
S defaultmethod		packch function
N digitsmaximum		packuc function
N digitsoffset		replacementlist function
N ignoredoffset		setlanguage function
N replacementoffset		sort function
T validmethods		splitters table
B ch		F utf
B mc		strip function
B mm		tracers data table
B pc		update function

sparse (extra lua)

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

statistics (context)

benchmarktimer	function	hastiming	function
checkfmtstatus	function	memused	function
currenttime	function	register	function
elapsed	function	resettiming	function
elapsedindeed	function	runtime	function
elapsedseconds	function	savefmtstatus	function
elapsedetime	function	show	function
enable	boolean	showmemory	function
feedback	table	showusage	function
F info		starttiming	function
F processstates		stoptiming	function
F register		threshold	number
F reportstates		timed	function
F setstate		tracefunction	function
formatruntime	function		

status (basic tex)

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

storage (context)

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

streams (context)

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

string (basic lua)

autodouble	function	is_boolean	function
autosingle	function	is_empty	function
booleanstring	function	itself	function
byte	function	len	function
bytelpairs	function	limit	function
bytes	function	linetable	function
bytetable	function	long2string	function
char	function	lower	function
characterpairs	function	match	function
characters	function	nospaces	function
checkedsplit	function	nspaces	table
chrtointeger	function	oct2integer	function
collapsespaces	function	optionalquoted	function
containsws	function	pack	function
count	function	packrowscolumns	function
dectointeger	function	packsize	function
dump	function	quote	function
escapedpattern	function	quoted	function
escapedquotes	function	rep	function
explode	function	replacenewlines	function
f6	function	reverse	function
find	function	split	function
format	function	splitlines	function
formatter	function	splitup	function
formatters	function	strip	function
fullstrip	function	sub	function
gmatch	function	texhashed	function
gsub	function	texnewlines	function
hashes	table	tformat	function
T X02		toHEX	function
S		toboolen	function
S		tobytes	function
S		tocontext	function
S		todec	function
S		todimen	function
S (tohex	function
S)		tonodes	function
S \		topattern	function
T X04		totable	function
hextocharacters	function	tounicode16	function
hextointeger	function	toutf	function

toutf32	function	utfcharacters	function
toutf8	function	utfcharactertable	function
tracedchar	function	utflength	function
tracedchars	table	utfpadd	function
unescapedsquotes	function	utfpadding	function
unpack	function	utftabletostring	function
unquote	function	utfvalue	function
unquoted	function	utfvalues	function
upper	function	utfvaluestable	function
utf16toutf8	function	valid	function
utfcharacter	function	wordsplitter	function

structures (context)

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

F title	
F touserdata	
inserts	table
F attach	F popnesting
D data	F prefix
F define	F prefixednumber
F detach	F prefixedpage
F getdata	F process
F getlocation	D pushed
F getname	F pushnesting
F getnumber	F rawnumber
F nodetached	F rawrealpage
F setlocation	F rawuserpage
F setup	F realpage
D stored	F reorder
	F reordered
itemgroups	table
D collected	T result
D tobesaved	F savedlistnumber
lists	table
F addto	F savedlistprefixednumber
F analyze	F savedlisttitle
F bookmark	D sectionblocks
D cached	F size
D collected	F title
F discard	D tobesaved
F enhance	F use
T enhancers	F userdata
F external	F userpage
F filter	F uservalue
F formulanumber	
F getresult	marks table
F groupindex	F number
F hasnumberdata	F title
F haspagedata	
F hastitledata	notes table
F integrate	F check_spacing
F iscached	F checkpagechange
D kinds	F define
F label	F doifonsamepageasprevious
F location	F flushrange
D names	F get
F number	F getdeltapage
D ordered	F getinternal
F page	F getn
	F getstate
	F hascontent
	F internal
	F internalid
	F listindex
	D numbers

F ordered	T files
F postpone	T data
F resetpostponed	F define
F restore	F found
F save	F get
F setstate	F filter
D states	F filterdefault
F store	D filters
pages	table
F allmarked	D flaginternals
F analyze	F forceinnermode
D collected	F from
F fraction	D functions
F getlabels	F get
F in_body	F getcurrentlabel
F is_odd	F getcurrentmetadata
F mark	F getcurrentprefixspec
F marked	F getinnermethod
F markedlist	F getinternalcachedlistreference
N numpages	F getinternallistreference
F number	F getinternalreference
F on_right	F getoutermethod
F save	D handlers
D tobesaved	F identify
F toranges	F import
references	table
F analyze	F inject
F checked	F injectcurrentset
F checkedfile	S innermethod
F checkedfileorurl	F integrate
F checkedprogram	D internals
F checkedrealpage	F load
F checkedurl	F loadpresets
D collected	F mark
U componentsplitter	S outermethod
F currentmetadata	F pagefromhash
F currentorder	D pages
D currentset	U prefixsplitter
F define	D productdata
D defined	T programs
D derived	T data
F enhance	F define
D executers	F get
F export	F realpageofpage
	F referenced
	U referencesplitter

D referred	F valid
F referredpage	registers table
F registerfinalizer	F analyze
F registerinitializer	D collected
F registerpage	F compare
F reset	F define
D runners	F enhance
F set	F extend
F setandgetattribute	F filter
F setinternalreference	F filtercollected
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
F i	F cct
F internal	D collected
F page	F current
F realpage	F currentblock
F section	F currentid
F userpage	F currentlevel
D tobereferrals	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 matchingtilldepth	F finalize
F numberatdepth	F flush
F numbers	F isshown
F popblock	F isused
F prefixedconverted	F meaning
F pushblock	F pages
F register	F prepare
D registered	F process
F reportstructure	F register
F save	F registershown
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
F showstructure	table
F structuredata	F analyze
F title	T backend
D tobesaved	T checks
F typesetnumber	F marginanchor
F userdata	F margintext
B verbose	F math
sets	F mrow
	F mttable
F define	T destinationhash
F get	T extras
F getall	F adddestination
D setlist	F addimplicit
specials	F addinternal
	F addreference
D collected	F combination
F retrieve	F combinationpair
F store	F delimitedsymbol
D tobesaved	F description
synonyms	F descriptionsymbol
	F document
F analyzed	F float
D collected	F formulacontent
F compare	F image
F define	F item
F enhance	
F filter	

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

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

table (basic lua)

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

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

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

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

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

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

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

texconfig (basic tex)

buffersize	table	languagesize	table
N size		N size	
N step		N step	
errorlinesize	table	marksizesize	table
N size		N size	
expandsize	table	N step	
N size		nestsizesize	table
filesize	table	N size	
N size		N step	
N step		nodesizesize	table
firstline	string	N size	
fontsize	table	N step	
N size		parametersizesize	table
N step		N size	
formatname	string	N step	
functionsizesize	number	poolsizesize	table
halferrorlinesize	table	N size	
N size		N step	
hashsize	table	propertyssizesize	number
N size		savesizesize	table
N step		N size	
init	overloaded function	N step	
inputsizesize	table	shell_escape	string
N size		stringsizesize	table
N step		N size	
insertsize	table	N step	
N size		tokensizesize	table
N step		N size	
kpse_init	boolean	N step	

texio (basic tex)

<code>closeinput</code>	function	<code>write</code>	function
<code>forceendoffile</code>	function	<code>write_nl</code>	function
<code>getinputindex</code>	function	<code>writenl</code>	function
<code>getselectorvalues</code>	function	<code>writeselector</code>	function
<code>getsourcefilename</code>	function	<code>writeselectorlf</code>	function
<code>setlogfile</code>	function	<code>writeselectornl</code>	function
<code>terminal</code>	function		

token (basic tex)

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

peek_next_char	function	scan_tokenlist	function
peek_next_expanded	function	scan_toks	function
peeknext	function	scan_value	function
peeknextchar	function	scan_word	function
peeknextexpanded	function	scanargument	function
pop_macro	function	scanbox	function
popmacro	function	scancardinal	function
push_macro	function	scanchar	function
pushmacro	function	scancmdchr	function
put_back	function	scancmdchrexpanded	function
put_next	function	scancode	function
putback	function	scancsname	function
putnext	function	scancstoken	function
save_lua	function	scandelimited	function
savelua	function	scandetokened	function
scan_argument	function	scandimen	function
scan_box	function	scandimenargument	function
scan_cardinal	function	scandimension	function
scan_char	function	scandimensionargument	function
scan_cmdchr	function	scanfloating	function
scan_cmdchr_expanded	function	scanglue	function
scan_code	function	scanint	function
scan_curname	function	scaninteger	function
scan_delimited	function	scanintegerargument	function
scan_dimen	function	scankey	function
scan_float	function	scankeyword	function
scan_glue	function	scankeywordcs	function
scan_integer	function	scanletters	function
scan_key	function	scanluacardinal	function
scan_keyword	function	scanluainteger	function
scan_keyword_cs	function	scanluanumber	function
scan_letters	function	scannext	function
scan_luocardinal	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

<code>scanvalue</code>	function	<code>setmacro</code>	function
<code>scanword</code>	function	<code>setmacrofrommark</code>	function
<code>serialize</code>	function	<code>setmacronotinthing</code>	function
<code>set_dimension</code>	function	<code>skip_next</code>	function
<code>set_integer</code>	function	<code>skip_next_expanded</code>	function
<code>set_lua</code>	function	<code>skipnext</code>	function
<code>set_macro</code>	function	<code>skipnextexpanded</code>	function
<code>setdimension</code>	function	<code>type</code>	function
<code>setinteger</code>	function	<code>undefine_macro</code>	function
<code>setlua</code>	function	<code>undefinemacro</code>	function

tokens (context)

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

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

N alignment	F atan
N begingroup	F band
N character	F bor
N close	F bxor
N comment	F ceil
N endgroup	F conj
N endofline	F copy
N escape	F cos
N ignore	F exp
N invalid	F exp2
N letter	F expand
N mathshift	F floor
N open	F frombyte
N other	F fromchar
N parameter	F fromposit
N space	F integer
N subscript	F log
N superscript	F log10
N whitespace	F log1p
N close	F log2
F inspect	F logb
N open	F max
T posit	F min
F NaN	F modf
F NaR	F new
F __add	F pow
F __band	F rotate
F __bor	F round
F __bxor	F rounded
F __div	F shift
F __eq	F sin
F __le	F sqrt
F __lt	F tan
F __mul	F tobyte
S __name	F tochar
F __pow	F tonumber
F __shl	F toposit
F __shr	F tostring
F __sub	F report
F __tostring	F scanargument
F __unm	F scanargumentasis
F abs	F scanarray
F acos	F scanboolean
F asin	F scanbox

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

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

F scanboolean	F scanletters
F scanbox	F scanlist
F scanbracketed	F scanlua
F scanbracketedasis	F scannumber
F scancardinal	F scanopen
F scanclose	F scanoptional
F scancode	F scanposit
F scanconditional	F scanstring
F scancsname	F scantable
F scancsnameunchecked	F scantokenlist
F scandelimited	F scantokenstring
F scandetokened	F scantoks
F scandimen	F scanvbox
F scandimension	F scanverbatim
F scandimensionargument	F scanvtop
F scanfloat	F scanword
F scanglue	F toboolean
F scangluespec	F todimen
F scangluevalues	F tonumber
F scanhash	F tostring
F scanhbox	D values
F scaninteger	F tonumber
F scanintegerargument	F tostring
F scankeyword	values data table
F scankeywordcs	

tracers (context)

printerror function
printwarning function

showlines function

trackers (context)

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

typesetters (context)

alignments	table	T actions F handler F set	T actions F handler F set
breakpoints	table	F define F handler D mapping T methods T numbers F set F setreplacement	directions table F getfences F getglobal F getmethod F handler T handlers F installhandler F set F setcolor F tomode
cases	table	T actions F handler F register F set	firstlines table T actions F default F line F word F handler F set
characteralign	table	F handler F resetcharacteralign F setcharacteralign	fontkerns table F handler
characters	table	F handler T methods F replacenbsp F replacenbspaces	initials table T actions F default F handler F set
checkers	table	F handler F reset F set	injectors table F check T list F mark F reset F set F show
cleaners	table	F handler F set	italics table F enablemath F enabletext F handler
compare	table	F handler F reset F set F setup	kerns table D factors F handler
corrections	table	F handler	
digits	table		

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

F set_reflow_height

F set_reflow_width

updaters (context)

apply function
register function

url (context)

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

utf8 (basic lua)

char function
charpattern string
codepoint function

codes function
len function
offset function

utilities (context)

debugger	table	F readsignedbyte F readstring F readtag F setposition F size F skip F skiplong F skipposition F skipshort F writebyte F writecardinal1 F writecardinal1le F writecardinal2 F writecardinal2le F writecardinal3 F writecardinal3le F writecardinal4 F writecardinal4le F writeinteger1 F writeinteger1le F writeinteger2 F writeinteger2le F writeinteger3 F writeinteger3le F writeinteger4 F writeinteger4le F writestring
files	table	F close F getposition F getsize F look F open F read2dot14 F readbyte F readbytes F readbytetable F readcardinal F readcardinal1 F readcardinal1le F readcardinal2 F readcardinal2le F readcardinal3 F readcardinal3le F readcardinal4 F readcardinal4le F readcardinaltable F readchar F readline F readcstring F readfixed2 F readfixed4 F readinteger F readinteger1 F readinteger1le F readinteger2 F readinteger2le F readinteger3 F readinteger3le F readinteger4 F readinteger4le F readintegertable
		formatters table F formatcolumns F list F stripzeros
		ghostscript table F convert F statistics
		graphicmagick table F convert F statistics
		graphicsmagick table F convert F statistics
		json table

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

F splitmethod	F list
F splitthousands	F new
F stepper	F register
F stripped_settings_to_array	F report
F totime	F reset
F unittotex	F show
F unittoxml	
randomizer table	signals table
F get	S configuration
F getnumber	F initialize
F getrepeatable	F loadstate
F getrepeatableseed	F report
F getseed	F savestate
F newrepeatable	F serialclose
F popseed	F serialfast
F pushseed	F serialopen
F repeatable	S serialprefix
F reuseseed	F serialsend
F setseed	F serialwrite
F setseedi	N version
randomizers table	stacker table
F poisson	F new
sequencers table	storage table
F appendaction	F allocate
F appendgroup	F checked
F compile	F mark
F disableaction	F marked
F disablegroup	F setinitializer
F enableaction	F sparse
F enablegroup	
D functions	streams table
F localize	F close
F new	F getposition
F nodeprocessor	F getsize
F prependaction	F getstring
F prependgroup	F look
F removeaction	F open
F replaceaction	F openstring
F setkind	F read2dot14
F tostring	F readbyte
setters table	F readbytes
F disable	F readbytetable
F enable	F readcardinal
F initialize	F readcardinal1
	F readcardinal1l
	F readcardinal2

F readcardinal2le	F newrepeater
F readcardinal3	F nice
F readcardinal3le	T striplinepatterns
F readcardinal4	U collapse
F readcardinal4le	U collapse all
F readcardinaltable	U prune
F readchar	U prune and collapse
F readline	U prune and no empty
F readcstring	U prune and to space
F readfixed2	U retain
F readfixed4	U retain and collapse
F readinteger	U retain and no empty
F readinteger1	F striplines
F readinteger1le	F striplong
F readinteger2	F tabtospace
F readinteger2le	T tracers
F readinteger3	tables table
F readinteger3le	F accesstable
F readinteger4	F definedtable
F readinteger4le	F definetable
F readintegertable	F encapsulate
F readsignedbyte	F insertaftervalue
F readstring	F insertbeforevalue
F setposition	F migratetable
F size	F removevalue
F skip	F replacevalue
F skipbytes	tar table
F skiplong	T archives
F skipshort	F closearchive
F tocardinal1	T files
F tocardinal1le	F fetch
F tocardinal2	F hash
F tocardinal2le	F list
F tocardinal3	F pack
F tocardinal3le	F unpack
F tocardinal4	F openarchive
F tocardinal4le	T registeredfiles
strings table	T streams
F collapse	F fetch
F collapsecrlf	F hash
T formatters	F list
F add	F pack
F new	F unpack
F newcollector	T strings

F fetch	zipfiles	table
F hash	F close	
F list	F found	
F pack	F hash	
F unpack	F list	
templates	table	F open
F load	F unzip	
F replace	F unzipdir	
F replacer	F zipdir	
F resolve		

vector (context)

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

transpose function
triangulate function

truncate function
type function

visualizers (context)

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

xcomplex (extra lua)

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

xdecimal (extra lua)

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

xmath (extra lua)

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

xml (context)

addentities	function	F family
addspecialcode	function	F fontspecification
after	function	F mappedstylevalue
all	function	F padding
applylpath	function	F size
applyselector	function	F style
assign	function	F stylevalue
attribute	function	F todimension
bardinclusions	function	F variant
before	function	F weight
body	function	defaulthandlers table
builtinentities	table	D file
B amp		D parsedxml
B apos		D string
B gt		D tex
B lt		D texline
B quot		D texspace
cdata	function	D verbose
cdatatotext	function	defaultprotocol string
checkbox	function	delete function
checkedempty	function	delete_element function
checkerror	function	despecialized function
checknamespace	function	each function
checkns	function	each_element function
cleansed	function	elements function
collect	function	elementtodata function
collect_elements	function	empty function
collect_tags	function	entities data table
collect_texts	function	erase function
collected	function	errorhandler function
collecttexts	function	escaped function
compactelement	function	expand function
content	function	expressions table
convert	function	F attribute
copy	function	F boolean
count	function	F child
cprint	function	F contains
css	table	F count
		F error
		F find
		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
F last		F upperall
F lettered		F url
F lower	first	function
F lowerall	found	function
F match	functions	table
F name		F classes
F param		F hasclass
F parameter	getbuffer	function
F position	gethandlers	function
F reverse	gethandlersfunction	function
F stripped	helpers	table
F tag		F recursestext

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

settings	function	tostring	function
specialcodes	data table	totable	function
specialhandler	table	toxml	function
sprint	function	tprint	function
string	function	traverse	function
strip	function	unescape	function
strip whitespace	function	unescapeentitylpeg	userdata
stripelement	function	unprivatized	function
stripleadingspaces	function	unspecialized	function
table	function	wipe	function
text	function	withelement	function
textonly	function	withelements	function
texttocdata	function	wrap	function
tocdata	function	xmllns	table
toelement	function		

xzip (extra lua)

adler32 function
compress function
compresssize function

crc32 function
decompress function
decompresssize function

zip (context)

archives table
closearchive function

openarchive function
registeredfiles table

zlib (context)

adler32 function
compress function
compresssize function

crc32 function
decompress function
decompresssize function