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

ConT_EXt LMTX

global (alias: _G)

		createmask	function
LUAMAJORVERSION	number	ctxrunner	table
LUAMINORVERSION	number		
LUATEXENGINE	string	dimen	function
LUATEXFORMATID	number	dir	table
LUATEXFUNCTIONALITY	number	directives	table
LUATEXVERBOSE	string	document	table
LUATEXVERSION	number	documentdata	table
LUAVERSION	number		
MP	function	done	boolean
		drivers	table
		environment	table
asnumber_p	function		
		experiments	table
attributes	table	figures	table
backends	table	file	
basexx			
bit32		floats	table
blobs	table	flushsimplerule	function
blockrequire	function	flushspecialrule	function
boolean	table	font	
buffers	table	fonts	table
builders	table	functions	table
caches	table		
callback		getscriptstatus	function
callbacks	table	global	table
catcodes	table	graphics	table
characters	table	gzip	
checkimage	function	handledefinitions	function
chemistry	table	handletransformstring	function
		images	table
collectstructure	function	inspect	function
combine	function	interactions	table
commands	table	interfaces	table
containers	table		
context	function		
converters	table	job	table
copyarray	function		
copydictionary	function	languages	table
coroutine		last_pdf	number
count	number	layouts	table

ruledspace metapost mp shipbox ref h shipbox ref v optionalrequire p number u

texio table url table texisdefined data table userdata table texmodes data table utf table texsystemmodes data table utf8 table thirddata table utilities table toboolean function visualizers table todecimal function warn function token table xcomplex table tonumber function xdecimal table tonumber function xmath table tracers table xml table trackers table xml table trackers table xpeall function table trackers table xml table trackers table xpeall function table trackers table xpeall function table table trackers table xpeall function table trackers table xpeall table trackers table xpeall function table table trackers table xzip table tab

aes (context)

decode function
encode function

random function

attributes (context)

alternates	table	F	formatcolor
N attribute		F	formatgray
D data		F	formatluminance
F enable		F	formatluminanceratio
F handler		F	getpagecolormodel
F register		F	
		F	graytohsv
D values		F	
applyoverloads	function	Т	
checkvalues	function		F complement
colorintents	table		F inbetween
N attribute			F justone
D data		F	
F enable		F	
F handler		F	
F register		F	iccprofile
		F	isblack
colors	table	F	
N attribute		F	
F cmyk		N	
F cmyktogray			
F cmyktorgb			
F colorcomponent		F	
D counts		F	
		F	mpoptions
F currentmodel		F	namedcolorattributes
F currentnamedmo		N	
D data		F	popset
N default		F	processcolorcomponents
F defineintermed		F	pushset
F definemultiton		F	register
F defineprocesso			registered
F defineprocesso	olordirect	F	registerspotcolor
F definesimplegr		F	
F definespotcolo	r	F	rgbtocmyk
F definetranspar	ency	F	
F enable		F	rgbtohsv
F filter		F	
N forced		N	selector
F forcedmodel		F	setlist
F forcesupport		F	setmodel

F setpagecolormo		ofnode	function
D sets		private	function
F spec		public	function
F spot		registervalu	e function
F spotcolorname		restore	function
F spotcolorparer	t	save	function
F spotcolorvalue		setcleaner	function
B supported		showcurrent	function
F toattributes		states	table
F transparencyco		F disabletri	
B triggering		F enabletrig	
F usecolors		F finalize	
D valid		F initialize	
F value		F process	
D values		F selective	
		F simple	
F xyztolab		F stacked	
F xyztorgb		F stacker	
unts	data table	system	function
fine	function	tooverloads	function
fects	table	transparenci	es table
N attribute		N attribute	
D data		D data	
F enable		F enable	
F handler		F forcesuppor	rt
F register		F handler	
		T names	
D values		N color	
tvalue	function	N colorburn	
tvalues	function	N colordodg	
ndlers	table	N darken	
svalues	function	N differenc	
.st	data table	N exclusion	
rkasoverload	function	N hardlight	
mes	data table	N hue	
gatives	table	N lighten	
N attribute		N luminosit	у
D data		N multiply	
F enable		N none	
F handler		N normal	
F register		N overlay	
		N saturatio	
F set		N screen	
ımbers	data table	N softlight	

co de ef

ge ha ha li ma na

N none	
F register	
B supported	
F toattribute	
B triggering	
F value	
D values	
setvalue	number
lues	data table

F definedlayoutcomponent

F forcesupport
F handler
B hasorder
D listwise
F register
D registered
F resolve_begin
F resolve_end
F resolve_reset
F resolve_step
D scopes
F setfeatures
F setup
F start
F stop

backends (context)

getcallbackstate function

basexx (extra lua)

bit32 (basic lua)

arshift	function	extract	function
band	function	lrotate	function
bnot	function	lshift	function
bor	function	replace	function
btest	function	rrotate	function
bxor	function	rshift	function

blobs (context)

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

boolean (context)

tocontext function
tonumber function

buffers (context)

append	function	parallel	table
assign	function	F define	
collectcontent	function	F hassomecontent	
empty	function	F next	
erase	function	F place	
exists	function	F reset	
get	function	F save	
getcontent	function	prepend	function
getctxlua	function	raw	function
getlines	function	run	function
getmkvi	function	samplefile	function
gettex	function	splitsamplefile	function
loadcontent	function	undent	function

builders (context)

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

F pageoverflow F popatsame F pushatsame F setmap

F snapbox
F synchronizepag
F tocategories
F tocategory

caches (context)

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

callback (basic tex)

find function **known** function **list** function register overloaded function
usage function

callbacks (context)

freeze function functions table

E stop page number

known function
list data table
pop function

register function

supported table

R annend line filter

R annend to vlist filter

B begin_paragraph

B build_page_insert

B buildpage_filter

B define_font

B find_format_file

B find_log_file

B get_attribute

B get math dictionary

B get noad class

B glyph_run

B handle_overload

B handle uleader

B hpack filter

B hpack quality

B hyphenate

B insert nar

B intercept lua error

B intercept tex error

B kernina

B ligaturing

3 linebreak filter

B linebreak quality

B local_box_filter

B make extensible

3 math rule

B missing character

B mlist to hlist

B open data file

B packed vbox filter

B paragraph_contex

B paragraph_pas:

B post_linebreak_filter

B pre dump

B pre linebreak filter

B pre output filter

B process character

B process jobname

B quality font

B register extensible

B show break

B show_build

B show error message

B show lua call

B show warning message

B show whatsit

R start file

R start run

B stop file

B stop_run

B trace_memory

в vpacк_тilter

B vpack quality

B wrapup rui

catcodes (context)

 register function

characters (context)

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

setactivecatcodes	function
setlettercatcodes	function
setothercatcodes	function
shape	function
shaped	function
shash	data table
shchars	data table
shcodes	data table
showstring	function
specialchars	data table
specials	data table
splits	table
T char	

subscripts

synonyms tex

F	defineaccents	
F	safechar	
F	strtextoutf	
F	strtoutfpattern	
F	toutf	
F	toutfpattern	
text	classes	table
tonu	ımber	function
ucch	nars	data tabl
ucco	ode	function
ucco	des	data tabl
uhas	sh	data tabl
unic	odechar	function
uppe	er	function
verb	osemarks	data tabl

chemistry (context)

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

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

containers (context)

cleanname	function
content	function
define	function
is usable	function

is_valid function
read function
usecache boolean
write function

converters (context)

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

upper verbose function table

weekday word words

function function

F translate

coroutine (basic lua)

ctxrunner (context)

preparedfile function

resolve function

prepfiles data table

debug (basic lua)

getinfo function
sethook function

traceback function

dir (context)

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

directives (context)

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

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

document (context)

arguments files functions getfilename

documentdata (context)

variable function

drivers (context)

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

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

environment (context)

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

experiments (context)

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

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

figures (context)

formats mergegoodies

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

file (basic lua)

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

fio (extra lua)

floats (context)

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

font (basic tex)

getfont	function	

fonts (context)

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

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

F pluginprocessor	F context
T plugins	F extension
T text	
	F ligature
	F multiple
B pngenabled	F reversechainedcontextsingle
	F single
F addunicodetable	F gvar
F avar	F head
Fichia	
F cblc	F axistofactors
F cff	F cleanname
F cff2	F getaxisscale
T cffencoder	F getfactors
F checkhash	F getscales
F cmap	F gotodatatable
F colr	F normalizedaxis
F compact	T normalizedaxishash F readvariationdata
F condense	
F cpal	F reportskippedtable F setvariabledata
Febdt	
F eblc	F hhea
Febsc	F hmtx
F expand	F hvar
F extend	F kern
F fvar	F loadfont
F gdef	F loadshapes F loca
F getinfo	F math
F getinfo F glyf	F maxp
F gpos	F mvar
r gpos T gposhandlers	F name
F chainedcontext	F os/2
F context	F pack
F cursive	F parsecharstrings
F extension	F post
F marktobase	F registerextender
F marktoligature	F rehash
F marktomark	F sbix
F pair	F stat
F single	T streamreader
Figsub	F close
T gsubhandlers	F getposition
F alternate	F getsize
F chainedcontext	F look

F open	F writecardinal3
F read2dot14	F writecardinal3le
F readbyte	F writecardinal4
F readbytes	F writecardinal4le
F readbytetable	F writeintegerl
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	
F readtag	
F setposition	T tables
F size	
F skip	D features
F skiplong	D featuretypes
F skipposition	
F skipshort	
F writebyte	F texthandler
F writecardinal1	T vectors
F writecardinal1le	T arab
F writecardinal2	T gpos
F writecardinal2le	N curs

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

		acteu	hetitution	function
F read F register		gette	ostitution rs	function table
F registered			lternate	
F registerfallbackfo	n†			
F registersplit				
F resetnullfont				
F resolve			type1	
T resolvers			type3	
F file			ultiple	
F name				
F spec			ubstitution	
finetypeface	function			
opins	table	goodi		table
F clone				
F getshape			ata	
F getshapes			common-math.lfg	
F nextid			S author	
F provide			S comment	
F registerglyph			S copyright	
F registerglyphs			B initialized	
F swap			T mathematics	
F swapone			T tweaks	
fects	table		T presets	
codings	table		F addmathker	
T agl			F braille	
D ctxcodes			F eulertocal	
D extras			F fallbacks	
			F moderntoca	
			F moveintegr	
			F moveitalic	
			F pagellarad	
F is_known			F rsfstoscri	pt
D known			F rsfsuprigh	ttoscript
F load			F scripttoca	
F make_unicode_vecto			F smalldigit	
D math			F wipeanchor	
N version			F wipeitalic	
hanceid	function		F xitsarabic	
pansions	data table			
rmats	data table		S version	
talternate	function	Т		
tindices	function		S author	
etkern	function		S comment	
tmultiple	function		S copyright	

ef en

en ex fo ge ge ge

B initialized	handlers	table
T mathematics	hashes	table
T alternates	D characters	
T dotless		
S comment		
S feature	D descriptions	
N value		
T bigslots		
T parameters	D exheights	
N AccentBaseDepth	D features	
N AccentTopShiftUp	D identifiers	
N DelimiterPercent	D italics	
N DelimiterShortfall		
N DisplayOperatorMinHeight	D marks	
N FlattenedAccentTopShiftUp	D mathparameters	
N FractionRuleThickness		
S PrimeBaselineDropMax		
S PrimeShiftUp		
S PrimeShiftUpCramped	T processes	
N SubscriptShiftDown	D properties	
S SubscriptShiftDownWithSuperscript		
N SuperscriptShiftUp		
T tweaks	T setdynamics	
T aftercopying	T shapes	
S version		
T dejavu-text	T streams	
S comment		
S copyright	D variants	
T extensions	D xheights	
B initialized	helpers	table
	F addextraprivate	
S version	F addprivate	
	F appendcommands	
filenames	F appendcommandtab	
getcompositions	F checkflags	
list	F checkmerge	
	F checksteps	
prepare_features	F collectanchors	
	F combineglyphs	
report	F composecharacters	
suffixes	F descriptiontoslo	

F dimenfactor	N delimited	ghost dddot
F expandglyph	N delimited	ghost ddot
T extraprivates	N delimited	ghost dot
F fontpatternhassize	N delimited	ghost dprime
F getcoloredglyphs	N delimited	ghost hat
F getdigitwidth	N delimited	ghost lower corner
F getinstancespec	N delimited	ghost prime
F getparameters	N delimited	ghost qprime
F getprivatecharornode	N delimited	ghost rdprime
F getprivatenode	N delimited	ghost ring
F getprivates	N delimited	ghost rprime
F getprivateslot	N delimited	ghost rtprime
F hasprivate	N delimited	ghost star
F indextoslot	N delimited	ghost star 1
F isprivate	N delimited	ghost tilde
F mathscriptslots	N delimited	ghost tprime
F name	N delimited	ghost upper corner
F nametoslot	N delimited	left annuity
F newprivateslot	N delimited	left lower corner
F prependcommands	N delimited	left upper corner
F prependcommandtable	N delimited	right annuity
F privateslot	N delimited	right ast
F registerglyphbox	N delimited	right ast 1
F scalecommands	N delimited	right bar
F setboxdirectly	N delimited	right breve
F setboxglyph	N delimited	right check
F setboxglyphs	N delimited	right dagger
F setdigitwidth	N delimited	right dagger 1
F setmetaglyph	N delimited	right ddagger
F setmetaglyphs	N delimited	right ddagger 1
T sharedprivates	N delimited	right dddot
N arrow left piece	N delimited	right ddot
N arrow right piece	N delimited	right dot
N cm brace piece	N delimited	right dprime
N delimited ghost annuity	N delimited	right drprime
N delimited ghost ast	N delimited	right dtprime
N delimited ghost ast 1	N delimited	right hat
N delimited ghost bar	N delimited	right lower corner
N delimited ghost breve	N delimited	right prime
N delimited ghost check	N delimited	right qprime
N delimited ghost dagger	N delimited	right ring
N delimited ghost dagger 1	N delimited	right rprime
N delimited ghost ddagger	N delimited	right star
N delimited ghost ddagger 1	N delimited	right star 1

N delimited right tilde	N flat double rule middle piece
N delimited right tprime	N flat double rule right piece
N delimited right upper corner	N flat rule left piece
N double arrow left piece	N flat rule middle piece
N double arrow right piece	N flat rule right piece
N double rule left piece	N fraction bar extender
N double rule middle piece	N left hook piece
N double rule right piece	N ll brace piece
N flat accent 00300	N lm brace piece
N flat accent 00301	N lr brace piece
N flat accent 00302	N maps to piece
N flat accent 00303	N minus rule left piece
N flat accent 00304	N minus rule middle piece
N flat accent 00306	N minus rule right piece
N flat accent 00307	N mirror.10204
N flat accent 00308	N mirror.10205
N flat accent 0030A	N mirror.10206
N flat accent 0030C	N mirror.10210
N flat accent 020DB	N mirror.10211
N flat accent F06C3	N mirror.10214
N flat accent F06C7	N mirror.10215
N flat accent F06C9	N mirror.10216
N flat accent F06CB	N mirror.10217
N flat accent F06CD	N mirror.10218
N flat accent F06D1	N mirror.10219
N flat accent F06D3	N mirror.10222
N flat accent F06D5	N mirror.10223
N flat accent F06D7	N mirror.10764
N flat accent F06DB	N mirror.10769
N flat accent F06DD	N mirror.10877
N flat accent F06DF	N mirror.10878
N flat accent F06E1	N mirror.10885
N flat accent F06E5	N mirror.10886
N flat accent F06E7	N mirror.10887
N flat accent F06E9	N mirror.10888
N flat accent F06EB	N mirror.10889
N flat accent F06EF	N mirror.10890
N flat accent F06F1	N mirror.10891
N flat accent F06F3	N mirror.10892
N flat accent F06F5	N mirror.10901
N flat accent F06F9	N mirror.10902
N flat accent F06FB	N mirror.10927
N flat accent F06FD	N mirror.10928
N flat double rule left piece	N mirror.120597

N mirror.123	N mirror.8749
N mirror.12310	N mirror.8750
N mirror.12311	N mirror.8751
N mirror.125	N mirror.8752
N mirror.171	N mirror.8753
N mirror.187	N mirror.8754
N mirror.247	N mirror.8755
N mirror.40	N mirror.8761
N mirror.41	N mirror.8764
N mirror.47	N mirror.8765
N mirror.60	N mirror.8771
N mirror.62	N mirror.8773
N mirror.8242	N mirror.8780
N mirror.8243	N mirror.8786
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N mirror.8245	N mirror.8788
N mirror.8246	N mirror.8789
N mirror.8247	N mirror.8799
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N mirror.8250	N mirror.8805
N mirror.8260	N mirror.8806
N mirror.8279	N mirror.8807
N mirror.8512	N mirror.8808
N mirror.8705	N mirror.8809
N mirror.8706	N mirror.8810
N mirror.8707	N mirror.8811
N mirror.8708	N mirror.8814
N mirror.8712	N mirror.8815
N mirror.8713	N mirror.8816
N mirror.8714	N mirror.8817
N mirror.8715	N mirror.8818
N mirror.8716	N mirror.8819
N mirror.8717	N mirror.8820
N mirror.8721	N mirror.8821
N mirror.8725	N mirror.8822
N mirror.8730	N mirror.8823
N mirror.8733	N mirror.8824
N mirror.8735	N mirror.8825
N mirror.8736	N mirror.8826
N mirror.8737	N mirror.8827
N mirror.8738	N mirror.8828
N mirror.8740	N mirror.8829
N mirror.8747	N mirror.8830
N mirror.8748	N mirror.8831

N mirror.8832	N mirror.8918
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N mirror.8834	N mirror.8920
N mirror.8835	N mirror.8921
N mirror.8836	N mirror.8922
N mirror.8837	N mirror.8923
N mirror.8838	N mirror.8924
N mirror.8839	N mirror.8925
N mirror.8840	N mirror.8926
N mirror.8841	N mirror.8927
N mirror.8842	N mirror.8928
N mirror.8843	N mirror.8929
N mirror.8844	N mirror.8930
N mirror.8847	N mirror.8931
N mirror.8848	N mirror.8932
N mirror.8849	N mirror.8933
N mirror.8850	N mirror.8934
N mirror.8856	N mirror.8935
N mirror.8866	N mirror.8936
N mirror.8867	N mirror.8937
N mirror.8870	N mirror.8938
N mirror.8871	N mirror.8939
N mirror.8872	N mirror.8940
N mirror.8873	N mirror.8941
N mirror.8874	N mirror.8944
N mirror.8875	N mirror.8945
N mirror.8876	N mirror.8968
N mirror.8877	N mirror.8969
N mirror.8878	N mirror.8970
N mirror.8879	N mirror.8971
N mirror.8882	N mirror.8992
N mirror.8883	N mirror.8993
N mirror.8884	N mirror.9001
N mirror.8885	N mirror.9002
N mirror.8886	N mirror.91
N mirror.8887	N mirror.92
N mirror.8888	N mirror.93
N mirror.8905	N mirror.984419
N mirror.8906	N mirror.984831
N mirror.8907	N mirror.984832
N mirror.8908	N mirror.984833
N mirror.8909	N mirror.984834
N mirror.8912	N mirror.984835
N mirror.8913	N mirror.984836

N mirror.984837	N mirror.984905
N mirror.984838	N mirror.984906
N mirror.984839	N mirror.984907
N mirror.984840	N mirror.984908
N mirror.984841	N mirror.984909
N mirror.984842	N mirror.984910
N mirror.984843	N mirror.984919
N mirror.984844	N mirror.984920
N mirror.984853	N mirror.984921
N mirror.984854	N mirror.984922
N mirror.984855	N mirror.984923
N mirror.984856	N mirror.984924
N mirror.984857	N mirror.984925
N mirror.984858	N mirror.984926
N mirror.984859	N mirror.984927
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N mirror.984864	N mirror.984932
N mirror.984865	N mirror.984941
N mirror.984866	N mirror.984942
N mirror.984875	N mirror.984943
N mirror.984876	N mirror.984944
N mirror.984877	N mirror.984951
N mirror.984878	N mirror.984952
N mirror.984879	N mirror.984955
N mirror.984880	N mirror.984956
N mirror.984881	N mirror.984957
N mirror.984882	N mirror.984958
N mirror.984883	N mirror.984959
N mirror.984884	N mirror.984960
N mirror.984885	N mirror.984961
N mirror.984886	N mirror.984962
N mirror.984887	N mirror.985003
N mirror.984888	N mirror.985004
N mirror.984897	N mirror.985005
N mirror.984898	N mirror.985006
N mirror.984899	N mirror.985007
N mirror.984900	N mirror.985008
N mirror.984901	N mirror.985009
N mirror.984902	N mirror.985010
N mirror.984903	N mirror.985011
N mirror.984904	N mirror.985012

N mirror.985013	N mirror.985125
N mirror.985014	N mirror.985126
N mirror.985015	N mirror.985127
N mirror.985016	N mirror.985128
N mirror.985017	N mirror.985129
N mirror.985018	N mirror.985130
N mirror.985019	N mirror.985131
N mirror.985020	N mirror.985132
N mirror.985021	N mirror.985133
N mirror.985022	N mirror.985134
N mirror.985023	N mirror.985135
N mirror.985024	N mirror.985136
N mirror.985025	N mirror.985137
N mirror.985026	N mirror.985138
N mirror.985031	N mirror.985139
N mirror.985033	N mirror.985140
N mirror.985034	N mirror.985141
N mirror.985038	N mirror.985142
N mirror.985040	N mirror.985143
N mirror.985041	N mirror.985144
N mirror.985045	N mirror.985145
N mirror.985047	N mirror.985146
N mirror.985048	N mirror.985147
N mirror.985052	N mirror.985148
N mirror.985054	N mirror.985149
N mirror.985055	N mirror.985150
N mirror.985059	N mirror.985151
N mirror.985061	N mirror.985152
N mirror.985062	N mirror.985153
N mirror.985066	N mirror.985154
N mirror.985068	N mirror.985155
N mirror.985069	N mirror.985156
N mirror.985113	N mirror.985157
N mirror.985114	N mirror.985158
N mirror.985115	N mirror.985159
N mirror.985116	N mirror.985160
N mirror.985117	N mirror.985161
N mirror.985118	N mirror.985162
N mirror.985119	N mirror.985163
N mirror.985120	N mirror.985164
N mirror.985121	N mirror.985165
N mirror.985122	N mirror.985166
N mirror.985123	N mirror.985167
N mirror.985124	N mirror.985168

N mirror.985169		F descriptions	
N mirror.985170		F glyphs	
N mirror.985171		loggers	table
N mirror.985172		F format	
N mirror.985173		F onetimemessage	
N mirror.985174		F register	
N mirror.985175		F reportdefinedfonts	
N mirror.985176		F reportusedfeatures	
N mirror.985177		mappings	table
N mirror.985178		F addtounicode	
N mirror.985179		F fromunicode16	
N mirror.985180		F getentry	
N mirror.985181		F loadfile	
N mirror.985182		F loadline	
N mirror.985183		F makenameparser	
N mirror.985184			
N mirror.985200		F reset	
N radical bar exter		F tounicode	
N radical rule left		F tounicode16	
N radical rule mid		F tounicode16sequenc	
N radical rule righ	nt piece	metapost	table
N right hook piece		F baseline	
N rule left piece		F boundingbox	
N rule middle piece		F boxtomp	
N rule right piece		F draw	
N ul brace piece		F fill	
N um brace piece		F glyph	
N unary minus		F maxbounds	
N unary minus plus		F paths	
N unary plus		F widthline	
N unary plus minus		F zeroline	
N ur brace piece		names	data table
N visualspace		nulldata	data table
F splitfontpattern		privateoffsets	table
F tochar		B keepnames	
T vfinjectors		N mathbase	
F startcolor		N mathextrabase	
F stopcolor		N textbase	
T vfspecials		N textextrabase	
T backgrounds		protrusions	data table
T outlines		readers	table
fofont	function	Fafm	
erators	table	F check_lua	
F characters		F check_tfm	

inf ite

F lua			registerfontfamily	
F ofm			textfallback	
F opentype			typeface	
F otf			typescript	
F pfb				
		spe	cifiers	table
F tfm				
F ttc				
F ttf				
F woff) contextsetups	
egistersanitizer	function		contexttostring	
eserveid	function		definecontext	
elect	table		mergecontext	
D alternatives			presetcontext	
F bodyfont			registercontext	
D data			showcontext	
F default			splitcontext	
D defaults				
F definefallbackfami	.ly) variants	
F definefontfamily		sym	bols	table
F definefontfamilypr	eset			
D extras			F checked	
F fallback			F resolved	
D fallbacks			uselibrary	
F features		tab		table
F filefallback		toe	ffect	function
F fontdata		tra	cers	table
F fontfallback		tre	atments	table
F fontsynonym			applyfixes	
F goodies) data	
F mathfallback			5 filename	
D methods			ignoredfile	
			report	
F registerfallback			trace	
F registerfiles		typ	efaces	table

functions (context)

dummy function

graphics (context)

backgrounds	table
F fetchmultipar	
F pair	
F path	
F point	
bitmaps	table
F flush	
F new	
F placeholder	
F tocontext	
identifiers	table
F bitmap	
F jp2	
F jpg	
F pna	

identify

synchronizers table F collapse F collect F extend F getbottom F getd F geth F getkind F getsize F gettask F gettop F getw F getx F gety

gzip (extra lua)

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

images (context)

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

interactions (context)

attachments data table

fields

foliable

Foli

interfaces (context)

arrays	table	namesofscanners	table
cachedsetups	data table	namespaces	table
	function		
cachesetup		F define	
cardinals	table	F list	
checkedspecification		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		
bytes	function		
characters	function	pathseparator	string
copydata	function		
exists	function	readall	function
fileseparator	string	readnumber	function
		readstring	function
		savedata	function
		size	function
loadchunk	function		
loaddata	function		
loadlines	function		
newreader	function		
noflines	function		

job (context)

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

F onsamepage	Fχ	
F overlapping	F xy	
F p	Fу	
F page	register	function
F paragraph	save	function
F parindent	structure	table
F position	D collected	
Fr	T components	
F region	T namestack	
F registerhandlers	T tobesaved	
F replace	T branches	
F rightskip		
F set	S type	
F setall	variables	table
F setregionbox	D checksums	
F setspec	D collected	
F settobesaved	F getchecksum	
D tobesaved	F makechecksum	
F upperleft	F restore	
F upperright	F save	
F used	F setchecksum	
F whd	D tobesaved	

version

language (basic tex)

languages (context)

addgoodiesdata	function	F installmethod	
addgoodiesfile	function	F lasttrace	
appliedoptions	table	F loadpatterns	
associate	function	F registerexception	
associated	data table	F registerpattern	
association	function	F setfeatures	
counters	data table	installed	function
current	function	installhandler	function
data	data table	labels	table
decimals	data table	F define	
define	function	F split	
explicithyphen	function	loadable	function
flatten	function	loadwords	function
frequencies	table	logger	table
F averagecharwidth		F report	
F getdata		nofflattened	function
getdata	function	numbers	data table
getnumber	function	postexhyphenchar	function
goodiefiles	function	posthyphenchar	function
hjcounts	table	preexhyphenchar	function
hyphenate	function	prehyphenchar	function
hyphenators	table	registered	data table
T dictionaries		registeredactions	table
D featuresets		replacements	table
F handler		F add	
T methods		F addlist	
F expanded		F handler	
		F set	
F original		serializediscretionary	function
F tex		setexceptions	function
F traditional		setgoodieshandler	function
F popmethod		setoptions	function
F pushmethod		setpatterns	function
F setmethod		setsynonym	function
F setup		setwordhandler	function
F showhyphenationtrace		showdiscretionaries	function
T traditional		strippedgoodiewords	function
F definefeatures		tolang	function
F gettrace		transliteration	table
F hyphenate		F exception	

F register
F set
F use
F use
F check
unload
urls
D characters
N lefthyphenmin
D mapping
B packslashes
N righthyphenmin
F setcharacters
N righthyphenmin
F setcharacters
N number
N threshold
F register
Visualizediscretionaries
function
T data
F check
F check
F check
F check
F check
F disable
F disable
F disable
F enable
F enable
F enables
F found
F found
F setcharacters
F found
F load
F setcharacters
N threshold

layouts (context)

getcanvasfunctiongetpagedimensionsfunctionsetupcanvasfunction

status

F isleftpage

F leftorrightpageaction

lfs (extra lua)

attributes overloaded function link overloaded function mkdir overloaded function

currentdir function mkdirs function

isfile overloaded function readlink function

isfound function setexecutable function

isreadablefile function symlinktarget 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

lmx (context)

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

Fa

include function
inherited table

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

initialize function
inject function
lmxfile function

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

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

logs (context)

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

lpdf (context)

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

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

flu flu flu flu

number	function	unicode	function
object	function	usedcharacters	table
objectcompresslevel	function	usedfontnames	table
pagereference	function		
		N dejavusansmonoboldttf-1	+-610
patternstream	function	usedfontobjects	table
pdfcolor	function	N dejavusansmonoboldttf-1	4-51-
pdftimestamp	function	usedfontstreams	table
print	function	T dejavusansmonoboldttf-1	
procset	function	T characters	
protectresources	boolean	T descriptions	
rectangle	function	T fonts	
reference	function	T goodies	
registerannotation	function		
registerdestination	function	T parameters	
registerdocumentfinalizer	function	N ascender	
registerfont	function	N descender	
registerfontmethod	function	N designsize	
registerinitializer	function	T expansion	
registerpagefinalizer	function	N shrink	
registerpattern	function	N step	
reserveobject	function	N stretch	
rgbcode	function	N extendfactor	
rotationcm	function	N extrafactor	
setcompression	function	N extraspace	
setencryption	function	N factor	
setincludecidset	function	N hfactor	
setpageorder	function	N mathsize	
setpagestate	function	N maxsize	
setpagetag	function	N minsize	
setversion	function	N mode	
sharedobject	function	N quad	
shareobject	function	N scaledpoints	
shareobjectreference	function	N size	
spotcode	function	N slant	
stream	function	N slantfactor	
string	function	N space	
toeight	function	N spaceshrink	
topdfdoc	function	N spacestretch	
tosixteen	function	N squeezefactor	
transparency	function	N textsize	
transparencycode	function	N units	
transparencygroups	table	N vfactor	
B none		N width	
transparencyvalue	function	N xheight	

T properties	T mkmk
S filename	T arab
B finalized	B dflt
S fontname	T gsub
S format	T anum
S fullname	T arab
	B dflt
N id	T camelcasing
	Т *
	В *
	T char-ligatures
	Т *
S script	В *
	T compat-ligatures
N subfont	Т *
N textcontrol	В *
S writingmode	T dlig
	T latn
T alreadydone	B dflt
T classes	
T duplicates	B ksm
T features	
T gpos	
T mark	
T arab	
B dflt	
T cyrl	
B dflt	T locl
	T cyrl
T grek	
B dflt	T latn
T lao	
B dflt	B ksm
T latn	
B dflt	
B ksm	
	T lowercasing
	Т *
	В *
	T primes
	Т *
	B *

	T tlig	N	
	T *	N	Ccircumflex
	B *	N	Cdotaccent
	T tquo	N	
	T *	N	Circumflex
	B *	N	
	T trep	N	
	T *	N	Dcroat
	B *	N	Delta
	T uppercasing	N	
	T *	N	
	B *	N	Eacute
	filename	N	
	foundfilename	N	
	foundtables	N	Ecircumflex
	markclasses	N	
	marks	N	Edotaccent
	marksets	N	
ı		N	
		N	
	sublookups	N	Eng.alt
		N	Eogonek
ı	I .null	N	
ı	I A	N	Epsilontonos
ı	N AE	N	
ı	N AEacute	N	
ı	N Aacute	N	
ı	N Abreve	N	
ı	N Acircumflex	N	F
ı	N Acute	N	
ı	l Adieresis	N	
ı	l Agrave	N	
ı	l Alpha	N	
ı	l Alphatonos	N	Gcircumflex
ı	l Amacron	N	
ı	l Aogonek	N	Gdotaccent
ı	l Aring	N	
ı	N Atilde	N	
I	I B	N	
ا	l Beta	N	Hcircumflex
I	ı c	N	I
ا	l Cacute	N	IJ
I	l Caron	N	Iacute
ı	l Ccaron	N	Ibreve

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

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

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

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

1		N	quotedblleft
1	l omegal	N	quotedblright
١		N	quoteleft
1		N	
1		N	quoteright
1		N	
1		N	
1	I onehalf	N	
1	l onequarter	N	racute
١		N	
١		N	
1	I openbullet	N	rcommaaccent
١		N	reflexsubset
١		N	reflexsuperset
1		N	
1		N	revlogicalnot
١	I oslashacute	N	
1	V otilde	N	
1		N	rtblock
١		N	
١	I parenleft	N	sacute
١	l parenright	N	
١	partialdiff	N	
١	l percent	N	scircumflex
١		N	scommaaccent
1	l periodcentered	N	
١		N	section
١		N	
1	l peseta	N	
1		N	seveneighths
١	l phil	N	sfthyphen
١		N	
1		N	
١		N	sigma1
١	l product	N	
	l propersubset		six
1	l propersuperset	N	
1	I proportional	N	smileface
١			
١	I question	N	
١	l questiondown	N	suchthat
١		N	
١		N	

N t	
	N utilde
N tau	Νv
N tbar	N w
N tcaron	N wacute
N tcommaaccent	N wcircumflex
N therefore	N wdieresis
N theta	N wgrave
N theta1	N x
N thinquestion	N xi
N thorn	N y
N three	N yacute
N threeeighths	N ycircumflex
N threequarters	N ydieresis
N threesuperior	N yen
N tilde	N ygrave
N tildecomb	N z
N tonos	N zacute
N trademark	N zcaron
N triagdn	N zdotaccent
N triaglf	N zero
N triagrt	N zeta
N triagup	S version
N two	T shared
N twosuperior	T dynamics
N twothirds	T features
N twothirds N u	T features B analyze
N u	
N u N ugrave	B analyze B checkmarks
N u N ugrave N uhorn	B analyze B checkmarks B devanagari
N u N ugrave N uhorn N uhungarumlaut	B analyze B checkmarks B devanagari B dummies
N u N ugrave N uhorn N uhungarumlaut N umacron	B analyze B checkmarks B devanagari B dummies B extensions
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates B features
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide N underscore	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B features S indic
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide N underscore N underscore	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates B features S indic B mathrules
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide N underscore N underscore	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates B features S indic B mathrules
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide N underscore N underscore N underscore N underscoredbl N union N universal	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates B features S indic B mathrules S mode N number
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide N underscore N underscore N underscoredl N union N universal N uogonek N upblock N upsilon	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates B features S indic B mathrules S mode N number B spacekern
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide N underscore N underscore N underscore N underscoredbl N union N universal N uogonek N upblock	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates B features S indic B mathrules S mode N number B spacekern B visualspace T processes T rawdata
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide N underscore N underscore N underscoredl N union N universal N uogonek N upblock N upsilon	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates B features S indic B mathrules S mode N number B spacekern B visualspace T processes
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide N underscore N underscore N underscore N union N universal N uogonek N upblock N upsilon N upsilondieresis	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates B features S indic B mathrules S mode N number B spacekern B visualspace T processes T rawdata
N u N ugrave N uhorn N uhungarumlaut N umacron N underbar N underbar.small N underbar.wide N underscore N underscoredbl N union N universal N uogonek N upsilondieresis N upsilondieresis N upsilondieresistonos	B analyze B checkmarks B devanagari B dummies B extensions B extrafeatures B extraprivates B features S indic B mathrules S mode N number B spacekern B visualspace T processes T rawdata S cache_uuid

	N maxadvancewidth
S creator	N maxextent
T descriptions	N minbottomsidebearing
	N mintopsidebearing
S format	N version
T goodies	S weight
T lookuphash	
T metadata	N nofglyphs
N ascender	N private
N averagewidth	T properties
T boundingbox	
N defaultvheight	B hasitalics
N descender	
S family	N size
S familyname	N tableversion
S fontname	N time
N fstype	T specification
S fullname	
T horizontalmetrics	S detail
N ascender	S fallbacks
N descender	T features
N linegap	T normal
N maxadvanceheight	B features
N maxadvancewidth	
N maxextent	N number
N minbottomsidebearing	S filename
N mintopsidebearing	S forced
N version	S forcedname
N italicangle	
S panoseweight	
	N id
N pfmweight	
N pfmwidth	N mathsize
S subfamily	S method
S subfamilyname	
N subfontindex	
N units	N scalemode
S version	N size
T verticalmetrics	
N ascender	S specification
N descender	N textsize
N linegap	N textcontrol
N maxadvanceheight	T unscaled

N cache_version	N xheight	
T changed	T properties	
T characters	S filename	
T descriptions	S fontname	
T mathparameters	S format	
T parameters	S fullname	
N ascender		
N charwidth	N id	
N descender		
N designsize		
N extraspace		
N italicangle	N private	
N maxsize		
N minsize	B setitalics	
N quad		
N slant	N subfont	
N space	S writingmode	
N spaceshrink	usedindices	table
N spacestretch	T dejavusansmonoboldttf-1	
	vombooo	functio

lpeg (basic lua)

		firstofsplit frontstripper	function function
		instringchecker	function
		is_lpeg	function
		keeper	function
		oneof	function
		patterns	data table
		print	function
		replacer	function
		secondofsplit	function
UP	function		
UR	function	setutfcasers	function
US	function	split	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		
containsws	function		
counter	function	utfchartabletopattern	function
endstripper	function	utfreplacer	function
finder	function		

lua (basic tex)

bytedata	data table		
bytedone	table		
delay	function	lastbytecode	number
finalizeinitex	function	messages	data table
firstbytecode	number		
flush	function		
flushdelayed	function	numbers	data table
get_functions_table	function	registercode	function
		registeredcodes	function
		registerinitexfinalizer	function
		registername	function

luac (context)

inspect function
print function

luatex (context)

abort	function	F disable	
cleanup	function	F enable	
cleanuptempfiles	function	F finish	
currentfile	function	F pause	
currentlevel	function	F popline	
currenttotal	function	F pushline	
poprunstate	function	F registerdisabler	
pushrunstate	function	F registerenabler	
registerdumpactions	function	F resetfilename	
registerpageactions	function	F resume	
registerstartactions	function	F setfilename	
registerstopactions	function	F setup	
registertempfile	function	F start	
starttime	number	F stop	
synctex	table	F wrapup	
F blockfilename		wrapup	function
E114			

lxml (context)

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

rawroot	function
rawtex	function
refatt	function
register	function
registerentity	function
removesetup	function
replace	function
resetcdata	function
resetsetups	function
resolvedentity	function
root	function
save	function
serialize	function
setaction	function
setatt	function
setattribute	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setpar	function
setparam	function
setparameter	function
setsetup	function
snippet	function
sorters	table

F flush	
F reset	
F show	
F sort	
splitid	function
startraw	function
startunescaped	function
stopraw	function
stopunescaped	function
store	function
strip	function
stripped	function
tag	function
texatt	function
text	function
tobuffer	function
tofile	function
toparameters	function
toverbatim	function
verbatim	function
withindex	function
xmltexhandler	data table

math (basic lua)

atan2	function
ceiling	function
cosd	function
cosh	function
div	function
even	function
initialseed	number
ldexp	function
log10	function

mod	function
odd	function
pow	function
round	function
setrandomseedi	function
sind	function
sinh	function
tand	function
tanh	function

mathematics (context)

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

F addparts	F parameters	
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	Τi	
F dimensions	T integrals	
F extendaccents	T mw	
F fallbacks	Тр	
F fixaccents	F substitute	
F fixellipses	F topanchors	
F fixintegrals	F tweaks	
F fixoldschool	F version	
F fixprimes	F wipeanchors	
F fixradicals	F wipecues	
F fixslashes	F wipeitalics	
F flattenaccents	F wipevariants	
F inspect	utfmathaccent	function
F keepbases	utfmathclass	function
F kernpairs	utfmathcommand	function
F kerns	utfmathfiller	function
T kernsets	utfmathstretch	function
Т.,	variantcode	function
F margins	variantcount	function
F message	virtualize	function
F moveitalics	virtualized	data table
F movelimits		

md5 (extra lua)

dec	function	sumHEXA	function
		sumhexa	function

metapost (context)

cm

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

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

N vacuous

typesvgpage function
unload function

untagvariable variables

function
table

mime (extra lua)

```
b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encode table

F base64

F pase64

F base64

F pase64

F pase64

F base64

F text

normalize function

wrap function

wrap table

F quoted-printable

F quoted-printable

F quoted-printable

F quoted-printable

F text

wrp function
```

mp (context)

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

lmt_contours_nofvalues	function	mf_blob_width	function
lmt_contours_nx	function	mf_external_figure	function
lmt_contours_ny	function	mf_finish_saving_data	function
lmt_contours_range	function	mf_formatted_text	function
lmt_contours_shade_paths	function	mf_get_outline_text	function
lmt_contours_shade_set	function	mf_graphic_text	function
lmt_contours_shape_paths	function	mf_inject_blob	function
lmt_contours_start	function	mf_map_move	function
lmt_contours_stop	function	mf_map_text	function
lmt_contours_value	function	mf_named_color	function
lmt_contours_xrange	function	mf_outline_text	function
lmt_contours_yrange	function	mf_save_data	function
<pre>lmt_function_x</pre>	function	mf_script_index	function
lmt_glyphshape_accent	function	mf_start_saving_data	function
<pre>lmt_glyphshape_baseline</pre>	function	mf_stop_saving_data	function
<pre>lmt_glyphshape_boundingbox</pre>	function	mode	function
lmt_glyphshape_depth	function	n	function
lmt_glyphshape_height	function	number	function
lmt_glyphshape_italic	function	numeric	function
lmt_glyphshape_n	function	pair	function
lmt_glyphshape_path	function	pairpoints	function
lmt_glyphshape_start	function	path	function
lmt_glyphshape_stop	function	pathpoints	function
lmt_glyphshape_usedbox	function	points	function
<pre>lmt_glyphshape_usedline</pre>	function	print	function
lmt_glyphshape_width	function	F boolean	
<pre>lmt_mesh_set</pre>	function	F color	
lmt_mesh_update	function	F direct	
<pre>lmt_poisson_generate</pre>	function	F draw	
<pre>lmt_start_potrace</pre>	function	F fill	
<pre>lmt_step_potrace</pre>	function	F flush	
<pre>lmt_stop_potrace</pre>	function	F fprint	
lmt_surface_do	function	F integer	
lmt_svg_include	function	F number	
mf_blob_add	function	F numeric	
mf_blob_dimensions	function	F pair	
mf_blob_index	function	F pairpoints	
mf_blob_new	function	F path	
mf_blob_raw_content	function	F pathpoints	
mf_blob_raw_dimensions	function	F points	
mf_blob_raw_reset	function	F print	
mf_blob_raw_toutf	function	F quadruple	
mf_blob_raw_wipe	function	F quadruplepoints	
mf_blob_size	function	F quoted	

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

mplib (extra tex)

finder	function		
finders	table		
F file			
F mpstemplate		propertycodes	table
		realtimelogging	boolean

noads (context)

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

node (basic tex)

checkdiscretionaries checkdiscretionary copy copylist count

currentattributes

direct

F addmargins
F addxoffset
F addxymargins
F addyoffset
F appendaftertail
F checkdiscretion

F collapsing
F copy
F copylist
F copyonly
F count

F currentattributes
F dimensions
F effectiveglue
F endofmath
F exchange
F fields

F findattribute
F findattributerange

F flattendiscretionari F flattenleaders F flushlist

F free
F freeze
F getattribute
F getattribute

F getattributelis F getattributes

F getboth

function function

unction

function function getbottom

= getcachestate = getchar = getchardict = getcharspec = getchoice = getclass

getdegree
getdelimiter
getdenominator
getdepth

F getdepth
F getdirection
F getdisc
F getdiscpart
F getexpansion
F getfam
F getfield

= getfield
= getfont
= getgeometry
= getglue
= getglyphdata
= getglyphdimen

F getheight
F getid
F getindex
F getinputfield

F getkern

F getkerndimension F getlanguage F getleader F getleftdelimiter

F getlist

F getlistdimensions

F getnodes
F getnormal

F getnucleus
F getnumerator
F getoffsets

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

F write		length	function
F xscaled		ligaturing	function
F yscaled		makeextensible	function
effectiveglue	function	mlisttohlist	function
endofmath	function		
family_font	function	protectglyph	function
		protectglyphs	function
findattribute	function	protrusionskippable	function
firstglyph	function	rangedimensions	function
flattendiscretionaries	function		
		setglue	function
getglue	function	slide	function
hasglyph	function		
hpack	function		
hyphenating	function		
		unprotectglyph	function
		unprotectglyphs	function
		usesfont	function
iszeroglue	function	vpack	function
kerning	function		

lastnode

nodes (context)

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

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

	getindex		getusedattributes
F	getinputfields	F	getvalue
F	getkern	F	getwhd
F	getkerndimension	F	getwidth
F	getlang	F	getwordrange
F	getlanguage	F	getxscale
F	getleader	F	getxyscales
F	getleftdelimiter	F	getyscale
F	getlist	F	gluetostring
F	getlistdimensions	F	hasattribute
F	getmiddle	F	
F	getmiddledelimiter	F	hasfield
F	getnext	F	hasgeometry
F	getnormalizedline	F	
F	getnucleus	F	hasglyphoption
F	getnumerator	F	hpack
F	getoffsets	F	hyphenating
F	getoptions	F	ignoremathskip
F	getorientation	F	insertafter
F	getparstate	F	insertbefore
F	getpenalty	F	insertlistafter
F	getpost	F	
F	getpre	F	
F	getprev	F	
F	getprime	F	isdirect
F	getprop	F	
F	getreplace	F	
F	getrightdelimiter	F	isnext
F	getruledata	F	isnextchar
F	getruledimensions	F	isnextglyph
F	getscale	F	
F	getscales	F	isnut
F	getscript	F	isprev
F	getshift	F	
F	getspeciallist	F	
F	getstate	F	
F	getsub	F	kerning
F	getsubpre	F	lastnode
F	getsubtype	F	
F	getsup	F	
F	getsuppre	F	link
F	getsurround	F	
F	gettop	F	
F	gettotal	F	migrate

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

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

F enable		F handler	
F handler		T stack	
F register		rehpack	function
		remove	function
D values		repackhlist	function
F processor		replace	function
points	function	report	function
pool	table	rightmarginwidth	function
F baselineskip		rulecodes	data table
F cleanup		rules	table
F directliteral		F handler	
F glyph		F process	
F hlist		F set	
F latelua		F userrule	
F leader		serialize	function
F lineskip		serializebox	function
F literal		serialized	function
F originliteral		setattr	function
F register		setattribute	function
F restore		setboth	function
F save		setbox	function
F savepos		setboxtonaturalwd	function
F setmatrix		setchar	function
F stock		setfield	function
F usage		setfont	function
F usernode		setleader	function
F vlist		setlink	function
prepend	function	setlist	function
print	function	setnext	function
processors	table	setprev	function
F alignment filter		setproperty	function
F append line filter		shifts	table
F glyph_run		F handler	
F post linebreak filter		F set	
F pre linebreak filter		showboxes	function
F trace glyph run a		showlist	function
F trace glyph run b		showsimplelist	function
properties	table	skipcodes	data table
· · T data		snapshots	table
pts	function	F getsamples	
radicalcodes	data table	F resetsamples	
references	table	F takesample	
N attribute		somepenalty	function
T done		somespace	function

tosequence

F tohbox
F tohpack
F tonodes
F tovbox
F tovpack
F vpack
setattribute

unsetattribute function
usedlist function
vianodes function
vianuts function
visualizebox function
visualizers table

F attribute
T attributes
F box
F enable
F getusedfont
F handler
F markfonts
T modes
N boundary

N expansion
N fontkern
N glue
N glyph
N hbox

N italic N kern N line N marginh

N mark
N math
N mathglue
N mathkern
N origin
N par
N penalty
N simple
N simplehbo

N simpleboo N simplevto N simplevto N space N strut N user N vbox N vtop N whatsit register setfont setlayer setruledgly

vpack function
whatsitcodes data table
write function

number (context)

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

tobasepoints	function
tobitstring	function
tocentimeters	function
tociceros	function
tocontext	function
todidots	function
todimen	function
toediths	function
toevenhex	function
toinches	function
tomillimeters	function
tonumberf	function
tonumberg	function
topicas	function
topoints	function
toscaled	function
toscaledpoints	function
totoves	function
valid	function

objects (context)

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

optional (context)

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

F execute F initialize
F getmessage ZStd tab
F initialize F compress
F open F decompress
Int table F initialize

E execute

os (basic lua)

__getenv__ function
__setenv__ function
binsuffix string
binsuffixes table
bits number
clock function
convertime function

difftime function
enableansi function
env data table
execute overloaded

execute overloaded function **exit** overloaded function

fulltime function
getcodepage function

jetenv overloaded function

gettimeofday function
isleapyear function
launch function
libsuffix string
localtime function
name string
newline string
nofdays function
now function
pipeto function
platform string

resultof function
runtime function
selfarg table
selfbin string
selfcore string
selfdir string
selflink string
selfname string
selfname string

setexitcode function

setlocale overloaded function

time function
timezone function
tmpname function
today function
type string
uname function
unid function
validdate function
weekday function
which function

package (basic lua)

		luapaths	function
extralibpath	function		
extralibpaths	function	poplibpath	function
extraluapath	function	popluapath	function
extraluapaths	function		
helpers	table	pushlibpath	function
libpaths	function	pushluapath	function
loaders	table		

pagebuilders (context)

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

pdf (basic tex)

immediateobj function

pdfe (extra tex)

encryptioncodes	data table		
		objectcodes	data table

physics (context)

units table

F registershortcut

F registerunit

D table

pngdecode (extra tex)

posit (extra lua)

		F bor	
		F bxor	
		F ceil	
		F conj	
		F сору	
		F cos	
		F exp	
		F exp2	
		F floor	
F NaN		F fromp	
F NaR		F integ	
Fadd		F log	
F <u>band</u>		F log10	
F <u>b</u> or		F log1p	
F <u>bxor</u>		F log2	
Fdiv		F logb	
F <u>eq</u>		F max	
T <u></u> index		F min	
F NaN		F modf	
F NaR		F new	
Fadd		F pow	
F <u>band</u>		F rotat	
F <u>b</u> or		F round	
F <u>bxor</u>		F round	
Fdiv		F shift	
F <u>eq</u>		F sin	
Fle		F sqrt	
F _lt		F tan	
Fmul		F tonum	
		F topos	
Fpow		F tostr	
F <u></u> shl			
Fshr			
Fsub			
Ftostr			
Funm			
F abs			
F acos			
F asin			
F atan			
F band			

F abs		
F acos		
F asin		
F atan		
F band		
F bor		
F bxor		
F ceil		
F conj		
F copy		
F cos		
F exp		
F exp2		
F floor		
F fromposit		
F integer		
F log		
F log10		
F log1p		
F log2		
F logb		
F max		
F min		
F modf		
F new		
F pow		
F rotate		
F round		
F rounded		
F shift		
F sin		
F sqrt		
F tan		
F tonumber		
F toposit		
F tostring		

potrace (context)

concat	function	new	function
contourplot	function	process	function
count	function	setbitmap	function
flush	function	stripped	function
free	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			
F short		S keywords	
authormap	data table	S note	
authortoregister	function		
btx	table		
casters	table	S title	
F author		S volume	
F keyword			
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			
F entry		S author	
F index		S edition	
F keywords		S editor	
F num		S keywords	
F page		S note	
F short			
F tag			
F textnum		S subtitle	
F year		S title	
collected	data table	S volume	
components	table		
E author		T ontional	

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

F load		F json	
F save		F lua	
lastofrange	function	F refman	
lists	table	F registercleaner	
F collectentries		F xml	
F combiinlist		loadreplacementfile	function
F fetchentries		new	function
F filterall		okay	function
F flushcombi		oneorrange	function
F flushentry		parenttag	function
F flushtag		permitted	function
T methods		prerollcmdstring	function
F dataset		refman_to_btx	function
F force		resolvedname	function
F global		save	function
F local		savers	table
F nofregistered		F bib	
F prepareentries		F lua	
F register		F xml	
F sameasprevious		search	function
T sorters		setcategory	function
F cite		setspecification	function
F dataset		singularorplural	function
F default		sortedentries	function
F index		sortmethods	table
F list		T authortitle	
F reference		T sequence	
F short		T authoryear	
F used		T sequence	
F uservariable		T dataset	
listvariants	table	T sequence	
F default		T key	
F index		T sequence	
F num		specifications	table
F short		T default	
F tag		S author	
Load	function	S comment	
Loadbibdata	function	S copyright	
loaddefinitionfile	function		
Loaders	table	S version	
F bbl		D virtual	6.00
F bib		splitauthor	function
F buffer		splitoneauthor	function
		STATISTICS	Tanie

N nofbytes		F showdatasetfields	
N nofdatasets		F showentry	
N nofdefinitions		F showfields	
N nofshortcuts		F showhashedauthors	
ables	table	F showtables	
D implicits		F showvariants	
		typesetters	table
		F author	
D sets		F string	
		usedataset	function
D types		usedentries	function
D virtuals		writers	table
ags	function	F author	
racers	table	F keyword	

regimes (context)

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

resolvers (context)

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

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

updatescript

registerintrees

uselibrary	function	variable	function
usertypes	data table	variableofformat	function
usezipfile	function	variableofformatorsuffix	function
validatednath	function	wildcardnattern	function

sandbox (context)

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

scripts (context)

autofontfeature	table	
F disable		
F enable		
F handler		
colors	data table	
decomposehangul	function	
defaults	table	
N inter_char_half_	shrink_factor	
N inter_char_half_	stretch_factor	
N inter_char_hangul_penalty		
N inter_char_quarter_shrink_factor		
N inter_char_quarter_stretch_factor		
N inter_char_shrink_factor		
N inter_char_stretch_factor		
N inter_word_stret	ch_factor	
getdata	function	
getinjector	function	
<pre>getsplitter function</pre>		

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

splitters

set (context)

contains function
create function
tolist function

tonumber function
totable function

sha2 (extra lua)

HASH256 HASH384 HASH512	function function function	hash256 hash384 hash512	function function function

sio (extra lua)

socket (extra lua)

connect4

S resent-bcc		
S resent-cc	report	function
S resent-date		
S resent-from	sink	function
S resent-message-id	sinkt	table
S resent-reply-to	F close-when-don	
S resent-sender	F default	
S resent-to	F http-chunked	
S retry-after	F keep-open	
S return-path		
	source	function
S smtp-remote-recipient	sourcet	table
S status	F by-length	
S subject	F default	
S te	F http-chunked	
S to	F until-closed	
S trailer		
S transfer-encoding		
S user-agent	tp	table
S vary	N TIMEOUT	
S via	F connect	
	try	function
S will-retry-until		
S www-authenticate		
S x-mailer		
	url	table
	F absolute	
table	F build	
	F build_path	
	F escape	
genericform	F parse	
	F parse_path	
request	F unescape	

http

sorters (context)

basicsorter	function		
comparers	table		
F basic			
constants	table		
S defaultdigits		definitions	data table
S defaultlanguage		firstofsplit	function
S defaultmethod		packch	function
N digitsmaximum		packuc	function
N digitsoffset		replacementlist	function
N ignoredoffset		setlanguage	function
N replacementoffs	et	sort	function
T validmethods		splitters	table
		F utf	
		strip	function
		tracers	data table
		update	function

sparse (context)

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

statistics (context)

benchmarktimer	function
checkfmtstatus	function
currenttime	function
elapsed	function
elapsedindeed	function
elapsedseconds	function
elapsedtime	function
enable	boolean
formatruntime	function
hastiming	function
memused	function
ca s c u	TuilCtion

resettiming	function
runtime	function
savefmtstatus	function
show	function
showmemory	function
showusage	function
starttiming	function
stoptiming	function
threshold	number
timed	function
tracefunction	function

status (basic tex)

	iocodes	table

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 autosingle	function function	nospaces nspaces	function table
booleanstring	function	optionalquoted	function
hyte		nack	
		quote	function
		quoted	function
		replacenewlines	function
checkedsplit	function	reverse	
collapsespaces	function	split	function
containsws	function	splitlines	function
count	function	splitup	function
		strip	function
		texnewlines	function
		tformat	function
		toHEX	function
		toboolean	function
escapedpattern	function	tobytes	function
escapedquotes	function	tocontext	function
explode	function	todec	function
		todimen	function
		tohex	function
		tonodes	function
formatter	function	topattern	function
formatters	function	totable	function
fullstrip	function		
		toutf	function
is_boolean	function	tracedchar	function
is_empty	function	tracedchars	table
itself	function	unescapedquotes	function
limit	function	unquote	function
		unquoted	function
longtostring	function		

		valid	function
utfpadd	function		
utfpadding	function		
		wordsplitter	function

structures (context)

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

F title			prefixedpage	
F touserdata				
inserts	table			
D data			pushnesting	
F define				
F getdata				
F getlocation				
F getname			result	
F getnumber			savedlistnumber	
F setlocation			savedlistprefixednumber	
F setup			savedlisttitle	
D stored			sectionblocks	
temgroups	table		sectionnumber	
D collected				
D tobesaved			title	
.ists	table		tobesaved	
F addto				
F analyze				
B autoreorder				
		mark	(S	table
D collected				
F discard			title	
F enhance		note	es	table
T enhancers			check_spacing	
F external			checkpagechange	
F filter			define	
F formulanumber			doifonsamepageaspreviou	
F getresult			get	
F groupindex			getdeltapage	
F hasnumberdata			getinternal	
F haspagedata			getn	
F hastitledata			getstate	
F integrate			hascontent	
F iscached			internal	
D kinds			internalid	
F label			listindex	
F location				
F number				
F page			restore	
F popnesting				
F prefix			setstate	
F prefixednumber			states	

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

F setnextinternal		F	findinternal	
F setnextorder		F	flush	
F setreferencerealpage		F	get	
F setstructure		F	integrate	
		F		
F splitcomponent		F		
F splitprefix		F	setmethod	
F splitreference		F	sort	
F synchronizepage		F		
T testrunners			tobesaved	
Finner		F	tweak	
F special		F		
F special operation		F		
F special operation wi	th arguments	F		
T testspecials		sect	ions	table
F deltapage		F	autodepth	
Fi		F	cct	
F internal			collected	
F page		F	current	
F realpage		F	currentblock	
F section		F	currentid	
F userpage				
D tobereferred		F	currentsectionindex	
D tobesaved		F		
D tracedpages			finddata	
Turls			findnumber	
T data		F	fullnumber	
F define		F	getcurrentlevel	
F found			getlevel	
F get			getnumber	
F untex			internalreference	
F valid		F	matchingtilldepth	
gisters	table		numberatdepth	
F analyze				
F compare		F	prefixedconverted	
F define			pushblock	
F enhance			register	
F extend			registered	
F filter			reportstructure	
F filtercollected				
F finalize			sectionblockdata	

T bodypart		Fi	reset	
S bookmark		Fi		
F set		Fi	resetlist	
F setblock		Fi		
F setchecker		Fi		
F setentry		Fs	sort	
F setinitialblock		Fs		
F setlevel		D 1		
F setnumber		tags		table
F showstructure		Τt		
F structuredata			checks	
F title			F marginanchor	
D tobesaved			F margintext	
F typesetnumber			F math	
F userdata			F mrow	
B verbose			F mtable	
ets	table		destinationhash	
F define			extras	
F get			F adddestination	
F getall			F addimplicit	
D setlist			F addinternal	
pecials	table		F addreference	
D collected			F combination	
F retrieve			F delimitedsymbol	
F store			F description	
D tobesaved			F descriptionsymbol	
ynonyms	table		F document	
F analyzed			F float	
D collected			F formulacontent	
F compare			F image	
F define			F item	
F enhance			F itemgroup	
F filter			F link	
F finalize			F listitem	
F flush			F mi	
F isshown			F msub	
F isused			F msup	
F meaning			F paragraph	
F pages			F publication	
F prepare			F reference	
F process			F registerlocation	
F register			F registerpages	
F registershown			F registerseparator	
F registerused			F section	

table (basic lua)

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

tex (basic tex)

anticibute toble filagodes data table automigrationcodes data table fontiumities indicates function fortname function bundaries table fortname function function bundaries table fortname function function bundaries table fortname function function bundaries function function function function function function function getallowers function function getboxers function function data table getboxers function function getboxers function codes table getboxers function function data table getboxers function function codes table getboxers function function data table getboxers function function gethom function gethom function getallowers function getallowers function function getallowers functi			614	dada dabila
autonigrationcodes data table fontidentifier function bundaries table forceinputstatefile function box table frozenparcodes data table boxesources table got function function function function forceinfile function gotalignment context values function function function gotalignment context values function gotalignment context values function function function gotalignment context values function function gotalignment context values function gotalignment context values function function gotalignment context values function cascode table gotalignment context values function cascode table gotalignment context values function function data table gotalignment values function function data table gotalignment values function conditionals data table gotalignment values function conditionals data table gotalignment values function context values function gotalignment function gotalignment function gotalignment function gotalignment function disen table gotalignment function gotalignment function direction data table gotalignment function direction doctore data table gotalignment function direction doctore data table gotalignment function g				
D numbers D numbers D numbers F system		table		
D numbers D numbers D numbers F system	automigrationcodes			
D numbers D numbers D numbers F system				
box box box box box boxresources F getbox F getdimensions F getdimensions F save F use F				
box box box box box boxresources F getbox F getdimensions F getdimensions F save F use F				
box box box box box boxresources F getbox F getdimensions F getdimensions F save F use F use F use breakcodes buildcodes chardef cotcode chardef codes cod			rorceinputstateline	
boxresources table get function F getbox F getdimensions F save F use Decakcodes Decakco			Tprint	
F getbox F getdimensions F save getappendlinecontextvalues F use getappendlinecontextvalues function getattribute function breakcodes data table gethox getautomigrationvalues function breakcodes data table gethox getautomigrationvalues function getboxresourcebox function chardef function getboxresourcebox function classoptioncodes data table getboxresourcedimensions function codes table getbreakcontextvalues function conditionals data table getbreakcontextvalues function constants data table getbuildcontextvalues function count table getcarcode function cprint function getcharactertagvalues function ctdcatcodes number getcount function getcharactertagvalues function definerant function getdelcodes function deleade function getdelcodes function dimen table getdimensionvalue function dimensiondef function getdirectionvalues function directives data table getdiscoptionvalues function getfillvalues function enableprimitives function getfillvalues function expandasvalue function getfloat getfloat function getfloat	box		frozenparcodes	data table
F save F save F save F save Getappendlinecontextvalues F use Dreakcodes Dreakcodes Data table Getattribute Guattion Guated Catcode Codes Codes Codes Codes Conditionals Conditionals Constants Constants Constants Catcode Constants Catcode Count Catcode Count Catcodes		table		
F save F save F save F save Getappendlinecontextvalues F use Dreakcodes Dreakcodes Data table Getattribute Guattion Guated Catcode Codes Codes Codes Codes Conditionals Conditionals Constants Constants Constants Catcode Constants Catcode Count Catcode Count Catcodes				
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experiments data table getfontoffamily function	directives	data table		
experiments data table getfontoffamily function	discoptioncodes	data table		
experiments data table getfontoffamily function	dontcomplain	function		
experiments data table getfontoffamily function				
experiments data table getfontoffamily function				
experiments data table getfontoffamily function				
	experiments	data table		
fillcodes data table getglueoptionvalues function	fillcodes			

	glueoptioncodes	data table
	glyphoptioncodes	data table
	groupcodes	data table
	hyphenationcodes	data table
	ifs	data table
	inicatcodes	number

N nocatcodetable			
N null			
N nullflag			
N nullfont			
N onebp			
N presetrulethickness			
N runningrule			
N smallstretchability		prtcatcodes	number
N texeqtbsize			
N texhashprime			
N texhashsize			
N two		quittoks	function
N undefinedmathparameter			
N unity		rlncatcodes	number
N unusedattributevalue			
N unusedmathfamily			
N unusedmathstyle			
N unusedscriptvalue			
N unusedstatevalue		runtoks	function
N zeroglue		saveboxresource	function
mathchardef mathcode			
mathcontrolcodes	data table		
mathoptioncodes	data table		
mathparametercodes	data table		
modelevels	table		
N horizontal			
N math			
N unset			
N vertical			
modes	data table		
nilcatcodes	number		
noadoptioncodes	data table		
normalizelinecodes	data table		
normalizeparcodes	data table		
notcatcodes	number		
parcontextcodes	data table		
parpassclasscodes	data table		
penaltyoptioncodes	data table		

	specialmathclasscodes	data table
	stringtocodesbitmap	function
	systemmodes	data table
	takebox	function
	texcatcodes	number
	textcontrolcodes	data table
	tpacatcodes	number
	tpbcatcodes	number
	mctidrackers	data table
	txtcatcodes	number
	type	function
	uprint	function
	useboxresource	function
	vrbcatcodes	number

texconfig (basic tex)

N size		N size	
N step		N step	
N size		N size	
		N step	
N size			
		N size	
N size		N step	
N step			
firstline	string	N size	
		N step	
N size			
N step		N size	
		N step	
		N size	
N size		N step	
N size			
N step		N size	
		N step	
		shell_escape	string
N size			
N step		N size	
		N step	
N size			
N step		N size	
knse init	hoolean	N sten	

texio (basic tex)

terminal	function	

token (basic tex)

expand_macro	function		
expandmacro			
future_expand	function		
futureexpand			
get_active	function		
get_cmdchrcs	function		
get cmdname	function		
get_command	function		
get_csname	function		
get_cstoken	function		
get_dimension	function		
get_expandable	function		
get_fields	function		
get_flags	function		
get_frozen	function		
get_id	function		
get_immutable	function		
get_index	function		
get_instance	function		
get_integer	function		
get_macro	function		
get_meaning	function		
get_noaligned	function	gobble_dimen	function
get_parameters	function	gobble_integer	function
get_permanent	function		
get_primitive	function		
get_protected	function	grab	
get_range	function	is_defined	function
get_tok	function	is_next_char	function
get_tolerant	function	is_token isdefined	function
		new	Tunction
		peek_next	function
		<pre>peek_next_char peek_next_expanded</pre>	function function
		peek_next_expanded	function

		scan value	function
pop macro	function	scan word	function
push_macro	function		
put_back	function		
put_next	function		
save_lua	function		
scan_argument	function		
scan_box	function		
scan_cardinal	function		
scan_char	function		
scan_cmdchr	function		
scan_cmdchr_expanded	function		
scan_code	function		
scan_csname	function		
scan_delimited	function		
scan_dimen	function		
scan_dimen_argument	function		
scan_float	function		
scan_glue	function		
scan_integer	function		
<pre>scan_integer_argument</pre>	function		
scan_key	function		
scan_keyword	function		
scan_keyword_cs	function		
scan_letters	function		
scan_luacardinal	function		
scan_luainteger	function		
scan_luanumber	function		
scan_next	function		
scan_next_char	function		
scan_next_expanded	function		
scan_real	function		
scan_scale	function		
scan_skip	function		
scan_string	function		
scan_token	function	set_char	function
scan_token_code	function	set_dimension	function
scan_tokenlist	function	set_integer	function
scan_toks	function	set_lua	function

set_macro	function	skip_next_expanded	function
		undefine_macro	function
skip_next	function		

tokens (context)

accessors	table			
F active			colordefa	
F cmd			colordeff	
F cmdchrcs			colordeff	lt
F cmdname			colordefr	lt
F command			dofinishr	
F csname			dostartte	xt
F expandabl			finishjob	
F frozen			firstofon	eargument
Findex			firstoftw	oarguments
F name				argument
F protected			goto	
F range			iftrue	
astable	function		input	
bits	table			typescriptfile
N active				
N alignment			secondoft	
N begingrou			setfalsev	
N character			setsectio	nblock
N close		U setupsystem		
N comment		U startcolumns		
N endgroup			starttabu	
N endofline			starttitl	
N escape			startxtit	
N ignore				
N invalid				ate
N letter			stoptitle	
N mathshift			stopxtitl	
N open			texsetup	
N other			xmlw	
N parameter		comm	ands	data table
N space		comp	ile	function
N subscript		cons	tant	function
N superscri	pt	conv	erters	table
N whitespac			toboolean	
cache	table		todimen	
U NC			toglue	
U NR			tonumber	
U bf			tostring	
U buff_fini		crea	te	function
U c_font_co	mpact	defi	ned	function

flags	function	F	
getinteger	function	F	box
getters	table	F	bracketed
F box		F	bracketedasis
F count		F	
F cstoken		F	
F dimen		F	
F glue		F	
F macro		F	
F meaning		F	conditional
F skip			count
F token		F	
gobble	function	F	csnameunchecked
isdefined	function	F	delimited
istoken	function	F	detokened
new	function	F	
pickup	function	F	dimenargument
popmacro	function		
presets	table	F	float
T 1 argumen	t	F	
T 1 integer		F	
T 1 optiona		F	
T 1 string			
T 2 argumen		F	hbox
T 2 integer		F	integer
T 2 optiona			integerargument
T 2 strings		F	
T 3 argumen			key
T 3 integer			keyword
T 3 optiona			keywordcs
T 3 strings			letters
T 4 argumen			list
T 4 integer			
T 4 optiona			luainteger
T 4 strings			
T 5 strings			
T 6 strings			next
T 7 strings			nextchar
T 8 strings			
	function		
scanners	table		optional
F argument			peek
F argumenta			
F array		F	

F posit	N open
F real	N other
F scanclose	N parameter
F scanopen	N space
F skip	N subscript
F skipexpanded	N superscript
F string	N whitespace
F table	N close
F token	F inspect
F tokencode	N open
F tokenlist	F report
F tokens	F scanargument
F toks	F scanargumentasis
F value	F scanarray
F vbox	F scanboolean
F verbatim	F scanbox
F vtop	F scanbracketed
F whd	F scanbracketedasis
F word	F scancardinal
tinteger function	F scanclose
tters table	F scancode
F box	F scanconditional
F char	F scancsname
F count	F scancsnameunchecked
F dimen	F scandelimited
F glue	F scandetokened
F lua	F scandimen
F macro	F scandimenargument
F skip	F scandimension
ortcuts table	F scanfloat
T bits	F scanglue
N active	F scangluespec
N alignment	F scangluevalues
N begingroup	F scanhash
N character	F scanhbox
N close	F scaninteger
N comment	F scanintegerargument
N endgroup	F scankeyword
N endofline	F scankeywordcs
N escape	F scanletters
N ignore	F scanlist
N invalid	T scanners
N letter	F argument
N mathshift	F argumentasis

F		F peekexpanded
F		F posit
F	box	F real
F	bracketed	F scanclose
F	bracketedasis	F scanopen
F		F skip
F		F skipexpanded
F		F string
F		F table
F		F token
F	conditional	F tokencode
F	count	F tokenlist
F		F tokens
F		F toks
F	delimited	F value
F	detokened	F vbox
F		F verbatim
F	dimenargument	F vtop
F		F whd
F	float	F word
F		F scannumber
F		F scanopen
F		F scanoptional
F		F scanstring
F	hbox	F scantable
F	integer	F scantokenlist
F	integerargument	F scantoks
F		F scanvbox
F	key	F scanverbatim
F	keyword	F scanvtop
F	keywordcs	F scanword
F	letters	F toboolean
F	list	F todimen
F		T tokens
F		T accessors
F		F active
F		F cmd
F	next	F cmdchrcs
F	nextchar	F cmdname
F		F command
F		F csname
F	optional	F expandable
F	peek	F frozen
F	peekchar	F index

F name	S toboolean
F protected	S todimen
F range	S toglue
F astable	S tonumber
T cache	S tostring
U NC	F create
U NR	F defined
U bf	F flags
U buff_finish	F getinteger
U c_font_compact	T getters
	F box
U colordefalc	F count
U colordefflc	F cstoken
U colordefflt	F dimen
U colordefrlt	F glue
U dofinishreference	F macro
U dostarttext	F meaning
U finishjob	F skip
U firstofoneargument	F token
U firstoftwoarguments	F gobble
U gobbleoneargument	F isdefined
	F istoken
U iftrue	F new
U input	F pickup
U loadfoundtypescriptfile	F popmacro
	T presets
U secondoftwoarguments	F pushmacro
U setfalsevalue	F setinteger
U setsectionblock	T setters
	F box
U startcolumns	F char
U starttabulate	F count
U starttitle	F dimen
U startxtitle	F glue
	F lua
U stoptabulate	F macro
U stoptitle	F skip
U stopxtitle	T shortcuts
U texsetup	N close
U xmlw	F inspect
	N open
F compile	F report
F constant	F scanargument
T converters	F scanargumentasis

F scankeyword
scanboolean
F scankeywordcs
scanbox
F scanbeters
scanbracketed
F scanlist
scancardinal
F scancopen
scancode
F scanconditional
Scanconditional
Scanconditional
Scancondered
Scancondered
Scancondered
Scancondered
Scancondered
Scancondered
Scanconditional
F scantokenlist
Scancondered
F scantokenlist
Scancondered
F scantokenlist
Scancondered
F scantokenlist
Scancondered
F scantokenlist
Scandelimited
F scanverbatim
Scandelimited
F scanverbatim
Scandimen
Scandimen
F scanverbatim
Scandimenargument
Scandim

F tonumbe F tostrin

scaninteger Values data tabl

tracers (context)

printerror function printwarning function showlines function

trackers (context)

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

typesetters (context)

alignments	table	T handlers	
breakpoints	table	F installhandler	
F define		F set	
F handler		F setcolor	
F last		F tomode	
		firstlines	table
T methods		T actions	
T numbers		F default	
F set		F line	
F setreplacement		F word	
F show		F handler	
cases	table	F set	
T actions		fontkerns	table
F handler		F handler	
F register		initials	table
F set		T actions	
characteralign	table	F default	
F handler		F handler	
F resetcharacter		F set	
F setcharacteral		injectors	table
characters	table	F check	
F handler		T list	
T methods		F mark	
F replacenbsp		F reset	
F replacenbspace		F set	
checkers	table	F show	
F handler		italics	table
F reset		F enablemath	
F set		F enabletext	
cleaners	table	F forcevariant	
F handler		F handler	
F set		F reset	
digits	table	F set	
T actions		kerns	table
F handler		D factors	
F set		F handler	
directions	table	F keepligature	
F getfences			
F getglobal		F set	
F getmethod		localboxes	table
F handler		F handler	

manipulators margins synchronize wrappers

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)

utilities (context)

daharan	4-11-		
debugger	table	F readsignedbyte	
F disable		F readstring	
F enable		F readtag	
F savestats		F setposition	
F showstats		F size	
F showtraceback	4-1-1-	F skip	
files	table	F skiplong	
F close		F skipposition	
F getposition		F skipshort	
F getsize		F writebyte	
F look		F writecardinal1	
F open		F writecardinal1	
F read2dot14		F writecardinal2	
F readbyte		F writecardinal2	
F readbytes		F writecardinal3	
F readbytetable		F writecardinal3	
F readcardinal		F writecardinal4	
F readcardinal1		F writecardinal4	
F readcardinal11		F writeinteger1	
F readcardinal2		F writeinteger1l	
F readcardinal21		F writeinteger2	
F readcardinal3		F writeinteger2l	
F readcardinal31		F writeinteger3	
F readcardinal4		F writeinteger3l	
F readcardinal41		F writeinteger4	
F readcardinalta		F writeinteger4l	
F readchar		F writestring	
F readcline		formatters	table
F readcstring		F formatcolumns	
F readfixed2		F list	
F readfixed4		F stripzeros	
F readinteger		ghostscript	table
F readinteger1		F convert	
F readinteger1le		F statistics	
F readinteger2		graphicmagick	table
F readinteger2le		F convert	
F readinteger3		F statistics	
F readinteger3le		graphicsmagick	table
F readinteger4		F convert	
F readinteger4le		F statistics	
F readintegertab		lua	table

B alwaysstripcode	
F checkmemory	B fit
F compile	B max
F loadedluacode	
F loadstring	T text,hidden,paper,page,leftpage,rightpage
F loadstripped	
N nofstrippedbytes	B leftpage
N nofstrippedchunks	
F registerfinalizer	
B stripcode	B rightpage
T strippedchunks	B text
F strippedloadstring	F iterator
T suffixes	F keq_to_hash
	F listitem
	F make_settings_to_hash_pattern
	F mergehashes
	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
ackers 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
arsers 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 csvsplitter	F settings_to_hash_tolerant
F getparameters	F settings_to_numbers
F groupedsplitat	F settings_to_set
F hash_to_string	F simple_hash_to_string
T hashes	F splitmethod
T settings_to_list	F splitthousands
T tablet	F stepper
T settings_to_set	F stripped_settings_to_array
T min,max,fit,broad,auto	F totime
	F unittotex

F unittoxml		stack	er	table
andomizer	table	Fn		
F get		stora	ge	table
F getnumber		Fa		
F getrepeatable		Fc	hecked	
F getrepeatables		Fm	ark	
F getseed		Fm	arked	
F newrepeatable		Fs	etinitializer	
F popseed		Fs		
F pushseed		strea	ms	table
F repeatable		Fc		
F reuseseed		Fg	etposition	
F setseed		Fg	etsize	
F setseedi		Fg	etstring	
andomizers	table	Fl	ook	
F poisson		Fο		
equencers	table	Fο	penstring	
F appendaction		Fr	ead2dot14	
F appendgroup		Fr		
F compile		Fr		
F disableaction		Fr		
F disablegroup		Fr		
F enableaction		Fr	eadcardinal1	
F enablegroup		Fr		
D functions		Fr		
F localize		Fr		
F new		Fr		
F nodeprocessor		Fr		
F prependaction		Fr	eadcardinal4	
F prependgroup		Fr	eadcardinal4le	
F removeaction		Fr	eadcardinaltab	
F replaceaction		Fr		
F setkind		Fr		
F tostring		Fr	eadcstring	
etters	table	Fr	eadfixed2	
F disable		Fr	eadfixed4	
F enable		Fr		
F initialize		Fr	eadinteger1	
F list		Fr		
F new		Fr	eadinteger2	
F register		Fr		
F report		Fr		
F reset		Fr		
F show		Fr	eadinteger4	

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
trings 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 newrepeater	F fetch
F nice	F hash
T striplinepatterns	F list
	F pack
	F unpack
	templates table
	F load
U prune and no empty	F replace
U prune and to space	F replacer
U retain	F resolve
U retain and collapse	zipfiles table
U retain and no empty	F close
F striplines	F found
F striplong	F hash
F tabtospace	F list
T tracers	F open
ables table	F unzip
F accesstable	F unzipdir
E definedable	

visualizers (context)

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

xcomplex (extra lua)

		F sqrt	
		F tan	
		F tanh	
		F topair	
		F tostrir	
FΙ		F totable	
Fadd		Fmul	
Fdiv			
F <u></u> eq		Fpow	
Tindex		Fsub	
FΙ		Ftostri	
Fadd		F <u>unm</u>	
Fdiv		F abs	
F <u>eq</u>		F acos	
Fmul		F acosh	
		F arg	
Fpow		F asin	
Fsub		F asinh	
Ftostr		F atan	
Funm		F atanh	
F abs		F conj	
F acos		F cos	
F acosh		F cosh	
F arg		F exp	
F asin		Fί	
F asinh		F imag	
F atan		F log	
F atanh		F new	
F conj		F pow	
F cos		F proj	
F cosh		F real	
F exp		F sin	
Fί		F sinh	
F imag		F sqrt	
F log		F tan	
F new		F tanh	
F pow		F topair	
F proj		F tostring	
F real		F totable	
F sin			
F sinh			

xdecimal (extra lua)

		F getprecision
		F max
F <u>add</u>		
F <u>band</u>		F rotate
F <u>b</u> or		F setprecision
F <u>bxor</u>		F shift
F <u></u> div		F sqrt
F <u>e</u> q		F toengstring
F <u>idi</u> v		F tonumber
T <u>index</u>		F tostring
Fadd		F trim
Fband	F	
F <u>b</u> or	F	_lt
F <u>bxor</u>	F	
Fdiv	F	
F <u>eq</u>		
F <u></u> idiv	F	
Fle	F	
Flt	F	
Fmod	F	
Fmul	F	tostring
	F	
Fpow	F	
F <u></u> shl	F	
Fshr	F	
Fsub	F	
Ftostring	F	
F <u>unm</u>	F	
F abs	F	
F band	F	getprecision
F bor	F	
F bxor	F	
F conj	F	max
F copy	F	
F exp	F	

F new		
F plus		
F pow		
F rotate		
F setprecision		
F shift		
F sqrt		
F toengstring		
F tonumber		
F tostring		
F trim		

xmath (extra lua)

xml (context)

addentitiesdoctype	function	F family	
addspecialcode	function	F fontspecification	
after	function	F mappedstylevalue	
all	function	F padding	
applylpath	function	F size	
applyselector	function	F style	
assign	function	F stylevalue	
attribute	function	F todimension	
badinclusions	function	F variant	
before	function	F weight	
body	function	defaulthandlers	table
builtinentities	table	D file	
		D string	
B gt		D tex	
B lt		D texline	
B quot		D texspace	
cdata	function		
cdatatotext	function	defaultprotocol	string
checkbom	function	delete	function
checkedempty	function	delete_element	function
checkerror	function	despecialized	function
checknamespace	function	each	function
checkns	function	each_element	function
cleansed	function	elements	function
collect	function	elementtocdata	function
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	
сору	function	F boolean	
count	function	F child	
cprint	function	F contains	
CSS	table	F count	
F applyselector		F error	
F colorspecification		F find	
F dimension		F hasclass	

F idstring		F text	
F lower		F upper	
F name		F upperall	
F number		F url	
F oneof		F xml	
F print		T xml	
F quit		F all	
F tag		F att	
F text		F attribute	
F undefined		F attributes	
F upper		F cdata	
illin	function	F chainattribute	
ilter	function	F count	
inalizers	table	F default	
F paragraphs		F elements	
T tex		F empty	
F all		F first	
F attribute		F function	
F chainattribute		F index	
F chainpath		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 upperall	
F last		F url	
F lettered		first	function
F lower		found	function
F lowerall		functions	table
F match		F classes	
F name		F hasclass	
F param		getbuffer	function
F parameter		gethandlers	function
F position		gethandlersfunction	function
F reverse		helpers	table
F stripped		F recursetext	
F tag		include	function
F tags		inclusion	function

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

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

text

xzip (extra lua)

adler32functioncrc32compressfunctiondecompresscompresssizefunctiondecompresssize

zip (extra lua)

archives table
closearchive function

openarchive function
registeredfiles table

zlib (extra lua)

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