MP attributes backends bit bit32 blobs boolean buffers builders caches callbacks catcodes characters chemistry commands containers context converters coroutine ctxrunner debug dir directives document documentdata environment epdf experiments figures file floats fontloader fonts functions global graphics gzip imm interactions interfaces io jit job languages layouts lfs libraries lmx logs lpdf lpeg ltn12 lua luatex lxml math mathematics mbox md5 metapost mime moduledata modules mp mplib noads mode nodes number objects os package pagebuilders parametersets pdf pdfscanner physics profiler publications regimes resolvers sandbox scripts set socket sorters statistics **status** storage streams string structures table t thirddata tokens tracers trackers typesetters unicode url userdata utilities vf visualizers xml zip zlib

ConT_EXt MkIV

global (alias: _G)

LUATEXVERSION	number	file	table
MP	table	floats	table
_LUAVERSION	number	font	table
_MAJORVERSION	number	fontloader	table
_MINORVERSION	number	fonts	table
arg	table	frozen	boolean
assert	function	functions	table
attributes	table	gcinfo	function
backends	table	getfenv	function
bit	table	getmetatable	function
bit32	table	getpos	function
blobs	table	getvpos	function
boolean	table	global	table
buffers	table	graphics	table
builders	table	gzip	table
caches	table	img	table
callback	table	inspect	function
callbacks	table	interactions	table
catcodes	table	interfaces	table
characters	table	io	table
chemistry	table	ipairs	function
collectgarbage	function	jit	table
commands	table	job	table
containers	table	lang	table
context	function	languages	table
converters	table	last	number
coroutine	table	layouts	table
ctxrunner	table	lfs	table
debug	table	libraries	table
dimen	function	lmx	table
dir	table	load	function
directives	table	loadfile	function
document	table	loadstring	function
documentdata	table	logs	table
dofile	function	lpdf	table
done	boolean	lpeg	table
environment	table	ltn12	table
epdf	table	lua	table
error	function	luatex	table
experiments	table	lxml	table
figures	table	math	table

mathematics	table	sandbox	table
mbox	table	scripts	table
md5	table	select	function
metapost	table	set	table
mime	table	setfenv	function
module	function	setinspector	function
moduledata	table	setmetatable	function
modules	table	socket	table
	function	sorters	table
mp mplib	table	statistics	table
mplib	function	status	table
newproxy next	function		table
		storage	
noads node	table table	streams	table table
		string	
nodes	table	structures	table
number	table	swiglib	function
objects	table	table	table
optionalrequire	function	tex	table
os	table	texconfig	table
package	table	texio	table
pagebuilders	table	thirddata	table
pairs	function	toboolean	function
parametersets	table	tokens	table
pcall	function	tonumber	function
pdf	table	tostring	function
pdfboolean	function	tracers	table
pdfnull	function	trackers	table
pdfreference	function	type	function
pdfscanner	table	typesetters	table
pdfverbose	function	unicode	table
physics	table	unpack	function
print	function	url	table
profiler	table	userdata	table
publications	table	utf	table
rawequal	function	utilities	table
rawget	function	vf	table
rawlen	function	visualizers	table
rawset	function	xml	table
regimes	table	xpcall	function
require	function	zip	table
resolvers	table	zlib	table

attributes (context)

colorintents table	[montions		
	F mpoptions		
N attribute	U none		
D data	F popset		
F enable	F processcoloro	omponents	
F handler	F pushset		
F register	F register		
D registered	D registered		
colors table	F registerspoto	olor	
N attribute	F rgb		
F cmyk	F rgbtocmyk		
F cmyktogray	F rgbtogray		
F cmyktorgb	F rgbtohsv		
F colorcomponents	N selector		
B couple	F setlist		
D data	F setmodel		
N default	F setpagecolorm	odel	
F defineintermediatecolor	D sets		
F definemultitonecolor	F spec		
F defineprocesscolor	F spot		
F definesimplegray	F spotcolorname		
F definespotcolor		F spotcolorparent	
F definetransparency	F spotcolorvalu	e	
F enable	B supported		
F filter	F transparencyc	omponents	
F forcedmodel	B triggering		
F forcesupport	F usecolors		
F formatcolor	F value		
F formatgray	D values		
F getpagecolormodel	B weightgray		
F gray	define	function	
F graytohsv	effects	table	
F handler	N attribute		
F hsvtogray	D data		
F hsvtorgb	F enable		
F iccprofile	F handler		
F isblack	F register		
N main	D registered		
S model	D values		
D models	handlers	table	
F mpcolor	list	data table	
F mpnamedcolor	names	data table	

negatives	table	U none	
N attribute		F register	
D data		D registered	
F enable		B supported	
F handler		B triggering	
F register		F value	
D registered		D values	
F set		unsetvalue number	
numbers	data table	viewerlayers table	
ofnode	function	N attribute	
private	function	F cleanup	
public	function	D data	
restore	function	F define	
save	function	F definedlayoutcomponent	
showcurrent	function	F enable	
states	table	F forcesupport	
F disabletrigger	ring	F handler	
F enabletriggeri	.ng	B hasorder	
F finalize		D listwise	
F initialize		F register	
F process		D registered	
F selective		F resolve_begin	
F stacked		F resolve_end	
F stacker		F resolve_reset	
system	function	F resolve_step	
transparencies	table	D scopes	
N attribute		F setfeatures	
D data		F start	
F enable		F stop	

F forcesupport

F handler

B supported

D values

backends (context)

F getpos

codeinjections table F getpreviewfigure F boxresourcedimensions F getypos F hasmatrix F registerboxresource F restoreboxresource F insertrenderingwindow current strina F mergebookmarks defaults table F mergereferences T codeiniections F mergeviewerlayers F prerollreference F gethpos F presetsymbol F getmatrix F getpos F presetsymbollist F aetypos F processrendering F hasmatrix F registerdocumentcloseaction T nodeinjections F registerdocumentopenaction T registrations F registeredsymbol D tables F registerpagecloseaction install function F registerpageopenaction nodeinjections table F registersymbol F restore F setfieldcalculationset F save F setfigurealternative F transform F setfigurecolorspace nothina function F setfiguremask pdf table F setformat T codeiniections F setformsmethod F addbookmarks F setpagetransition F attachmentid F setupcanvas F clonefield F setupidentity F definefield F setxmpfile F definefieldset F startlaver F defineviewerlaver F startunicodetoactualtext F embedfile F stoplayer F enabletags F stopunicodetoactualtext F exportformdata F supportedformats F getbookmarks F unicodetoactualtext F getdefaultfieldvalue F useviewerlayer F getfieldcategory F validfield F getfieldset F validfieldcategory F getformatoption F validfieldset S comment F gethpos F getmatrix T nodeinjections F getoutputfilename F addtags

F annotation

F attachfile

F changestackedlayer
F cmykcolor

F comment
F destination

F effect
F graycolor
F injectbitmap

F insertmovie
F insertsound
F insertswf
F insertu3d

F insertu3d
F knockout
F negative
F overprint

F positive F reference

F rgbcolor
F spotcolor
F startlayer

F startstackedlayer

F stoplayer

F stopstackedlayer
F transparency
F typesetfield
T registrations
F cmykindexcolor

F cmykspotcolor

 ${\tt F} \ {\tt getspotcolorreference}$

F grayindexcolor F grayspotcolor F rgbindexcolor F rgbspotcolor F spotcolorname F transparency

T tables

D vfspecials

registrations table
tables table

bit (context)

arshift	function	lshift	function
band	function	rol	function
bnot	function	ror	function
bor	function	rshift	function
bswap	function	tobit	function
bxor	function	tohex	function

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext function
tonumber function

buffers (context)

append	function	F define	
assign	function	F hassomecontent	
collectcontent	function	F next	
erase	function	F place	
exists	function	F reset	
getcontent	function	F save	
getlines	function	prepend	function
loadcontent	function	raw	function
parallel	table	undent	function

builders (context)

kernel	table	T registered
F hyphen	ation	F reset
F kernin	g	F set
F ligatu	ring	F split
F mlist_	to_hlist	F start
T origina	als	F stop
F hyphe	enate	F tag
F kerni	ing	profiling table
F ligat	turing	F add
paragraph	s table	F distance
T constr	uctors	F fixedprofile
N attri	ibute	F get
F defir	ne	F list
F disab	ole	F pagehandler
F enabl	Le	F profilebox
F handl	ler	F set
T metho	ods	vspacing table
F bas	ic	F analyze
F def	ault	D categories
F hpa	ck	F collapsevbox
F one	line	T data
D names	5	D map
D numbe	ers	D skip
F set		D snapmethods
F start	t	F definesnapmethod
F stop		B fixed
T expans	ion	F pagehandler
F trace	2	F resetprevdepth
F keepto	gether	F setmap
F regist	ertogether	F setskip
T soluti	ons	F snapbox
T split	tters	F tocategories
F def	ine	F tocategory
F opt	imize	F vboxhandler

caches (context)

ask	boolean	hashed	function
base	string	is_writable	function
collapsecontent	function	loadcontent	function
configfiles	function	loaddata	function
contentstate	function	more	string
defaults	table	relocate	boolean
define	function	savecontent	function
direct	boolean	savedata	function
force	boolean	setfirstwritablefile	function
getfirstreadablefile	function	setluanames	function
<pre>getfirstreadablefile_TEST_ME_FIRST</pre>	function	tree	string
getreadablepaths	function	treehash	function
getwritablepath	function	usedpaths	function

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

freeze function
known function
list data table
pop function

push function
register function
report function

catcodes (context)

names data table
numbers data table

register function

characters (context)

+		1 i nah naaka	4-61-
activeoffset adobename	number function	linebreaks	table
bidi	data table	S ai S al	
blockrange	function	S at	
blocks	data table	- 	
	table	S ba	
casemap	20020	S bb	
categories	data table	S bk	
category	function	S cb	
categorytags	data table	S cj	
collapsed	data table	S cl	
contextname	function	S cm	
csletters	data table	S cp	
data	data table	S cr	
decomposed	data table	S ex	
description	function	S gl	
descriptions	data table	S h2	
detailtags	data table	S h3	
directions	table	S hl	
enccodes	data table	S hy	
entities	data table	S id	
fallbacks	data table	S in	
filters	data table	S is	
fractions	table	S jl	
fromnumber	function	S jt	
fschars	data table	S jv	
fscodes	data table	S lf	
getrange	function	S nl	
graphemes	data table	S ns	
hangul	data table	S nu	
initialize	function	S op	
is_character	data table	S po	
is_command	data table	S pr	
is_letter	data table	S qu	
is_mark	data table	S ri	
is_punctuation	data table	S sa	
is_spacing	data table	S sg	
lcchars	data table	S sp	
lccode	function	S sy	
lccodes	data table	S wj	
lettered	function	S xx	
lhash	data table	S zw	

lower function math table mathpairs data table mirrors table otfscripts data table ranges data table registerentities function remap hangul syllabe function setactivecatcodes function setlettercatcodes function shape function shaped function data table shash shchars data table shcodes data table showstring function **specialchars** data table data table specials splits table

r compat

subscripts table

superscripts table

synonyms data table

tex table

D accentmapping
D commandmapping
F defineaccents
F safechar
F toutf

F toutfpattern textclasses table tonumber function ucchars data table uccode function uccodes data table uhash data table unicodechar function function upper

T char

chemistry (context)

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

molecule
moleculeparser
start
stop
structures
undefine
function
function
number
function

containers (context)

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

converters (context)

A	function	isleapyear	function
A:es	function	lchexnumber	function
AK	function	lchexnumbers	function
Alphabetic	function	leapyear	function
Alphabetic:es	function	lower	function
Character	function	max	function
Characters	function	maxchrs	function
I	function	minute	function
KA	function	month	function
KR	function	nicenumber	function
R	function	nofdays	function
RK	function	number	function
Romannumerals	function	numbers	function
Sloviannumerals	function	octnumber	function
Spanishnumerals	function	octstringtonumber	function
Word	function	ordinal	function
Words	function	r	function
a	function	rawcharacter	function
a:es	function	romannumerals	function
abjadnodotnumerals	function	second	function
abjadnumerals	function	sequences	data table
alphabetic	function	settime	function
alphabetic:es	function	sloviannumerals	function
character	function	spanishnumerals	function
characters	function	textime	function
chineseallnumerals	function	toabjad	function
chinesecapnumerals	function	tochinese	function
chinesenumerals	function	toroman	function
chr	function	totime	function
chrs	function	uchexnumber	function
cn	function	uchexnumbers	function
cn-a	function	upper	function
cn-c	function	verbose	table
convert	function	D data	
decimals	function	F translate	
define	function	weekday	function
hexstringtonumber	function	word	function
hour	function	words	function
i	function	year	function

coroutine (basic lua)

create	function	status	function
resume	function	wrap	function
running	function	yield	function

ctxrunner (context)

load function prepfiles data table
preparedfile function resolve function

debug (basic lua)

debug	function	setfenv	function
getfenv	function	sethook	function
gethook	function	setlocal	function
getinfo	function	setmetatable	function
getlocal	function	setupvalue	function
getmetatable	function	setuservalue	function
getregistry	function	traceback	function
getupvalue	function	upvalueid	function
getuservalue	function	upvaluejoin	function

dir (context)

collectpattern	function	globpattern	function
current	function	ls	function
expandname	function	makedirs	function
found	function	mkdirs	function
glob	function	pop	function
globfiles	function	push	function

directives (context)

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

document (context)

arguments files **functions** getargument getfilename options

data table table table function function table

D modules

D modes

function setargument setcommandline function setdefaultargument function setenvironments function setfilename function setfilenames function setmodes function setmodules function variables data table

D environments D modes D modules

T ctxfile

T commandline

D environments

environment (context)

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

epdf (extra tex)

Array function
Attribute function
AttributeOwner_Type function
Attribute_Type function
Dict function
Object function

PDFRectangle
StructElement_Type
open
openMemStream

type

function function overloaded function function function

experiments (context)

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

register function report function reset function show function value function

figures (context)

applvratio badname bases bitmapimage boxnumber cachepaths check checkers converters current defaultdepth defaultheight defaultsearch defaultwidth done dummy existers exists formats found get getrealpage auess hash identifiers identify images

F boxes F check F checksize F clone F copy F immediatewrite F keys

F new F node function function data table function number data table function data table data table function number number hool ean number function function data table function data table data table function function function function data table function

table

F ofindex F package F print F scan F serialize F totable F types F write include includers initialize

function data table loaded localpaths magics mergegoodies nofprocessed order paths patterns pop preferquality programs push registerpattern registerresource registersuffix resources scale set setlookups setmemstream setorder setpaths suffixes used data table

function data table data table data table function number data table data table data table function boolean data table function function function function data table function function function function function function data table

file (basic lua)

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

floats (context)

analysemethod	function	nofstacked	function
${\it checkedpagefloat}$	function	pop	function
collect	function	push	function
consult	function	resave	function
flush	function	save	function
getvariable	function	stacked	function
hasstacked	function		

font (basic tex)

current function
define function
each function
fonts table
frozen function

getfont overloaded function

id function
max function
nextid function
read_tfm function
read_vf function

setfont overloaded function

fontloader (extra tex)

apply_afmfile function
apply_featurefile function
close function
fields function
fullinfo function

info
open
to_table
totable

overloaded function
overloaded function
function

fonts (context)

analyzers	table	F	checkenabled	
T features			clonevector	
N blwf			define	
N fin2			definitions	
N fin3			found	
N fina			prepare	
N half			process	
N init			registermain	
N isol			report	
N med2			reset	
N medi			vectors	
N pref	co		tructors	table
N pstf		F	addcoreunicodes	
N rphf		F	aftercopyingchara	cters
D initializers			applymanipulators	
D methods			assignmathparamete	ers
F setstate			autocleanup	
T states		F	beforecopyingchara	acters
N blwf			cache	
N fin2		В	cacheintex	
N fin3		F	calculatescale	
N fina		F	checkedfeatures	
N half		F	checkedfilename	
N init		F	checkvirtualids	
N isol		F	cleanuptable	
N mark		F	collectprocessors	
N med2		F	currentfonthasfea	ture
N medi		D	designsizes	
N pref		D	dontembed	
N pstf		F	enhanceparameters	
N rest		N	factor	
N rphf		Т	features	
B useunicodemarks			D afm	
checkers	table		D otf	
F getmissing			D tfm	
F missing		F	finalize	
F placeholder		F	getfeatureaction	
cid	table	Т	handlers	
F getmap			T afm	
F loadfile			B autoprefixed	
collections	table		D cache	

D features	T handlers
F getkern	F devanagari_remove_joiners
T helpdata	F devanagari_reorder_matras
D bothkerned	F devanagari_reorder_pre_base_reordering_consonants
D leftkerned	F devanagari_reorder_reph
D ligatures	F gpos_context
D rightkerned	F gpos_contextchain
D texligatures	F gpos_cursive
F load	F gpos_mark2base
T readers	F gpos_mark2ligature
F getinfo	F gpos_mark2mark
F loadfont	F gpos_pair
F setfeatures	F gpos_single
B syncspace	F gsub_alternate
N version	F gsub_context
T otf	F gsub_contextchain
F addfeature	F gsub_ligature
F basemodeinitializer	F gsub_multiple
D cache	F gsub_reversecontextchain
F collectlookups	F gsub_single
T coverup	F trigger_space_kerns
T actions	F load
F alternate	F nodemodeinitializer
F chainposition	F packoutlines
F chainsubstitution	D pdfcache
F kern	T readers
F ligature	F addunicodetable
F multiple	D cache
F pair	F cff
F substitution	F checkhash
F register	F cmap
S stepkey	F colr
F dataset	F compact
S defaultbasealternate	F cpal
S defaultnodealternate	F expand
D enhancers	F extend
D features	F gdef
F featuresprocessor	F getcomponents
F getactualtext	F getinfo
F getalternate	F glyf
F getgsub	F gpos
F getkern	F gsub
F getmultiple	F head
F getsubstitution	F hhea

F hmtx	F scriptandlanguage
F kern	F setdynamics
F loadfont	F setfeatures
F loadshapes	T statistics
Floca	D usedfeatures
F math	T svg
F maxp	F filterglyph
F name	F storepdfdata
F os/2	F topdf
F pack	D svgcache
F post	B svgenabled
F registerextender	T tables
F rehash	D baselines
T streamreader	D features
F close	D featuretypes
F getposition F look	D languages D scripts
F open F read2dot14	F unpackoutlines N version
F readbyte	T pfb
F readbytes	T tfm
F readcardinal	D features
F readcardinal1	N maxnestingdepth
F readcardinal2	N maxnestingsize
F readcardinal3	F setfeatures
F readcardinal4	N version
F readchar	T vf
F readfixed4	T combinations
F readinteger	F combine
F readinteger1	T combiner
F readinteger2	D commands
F readinteger3	D helpers
F readinteger4	D math
F readstring	D predefined
F readtag	N version
F setposition	D whatever
F size	F hashfeatures
F skip	F hashinstance
F skiplong	T hashmethods
F skipshort	F normal
F svg	F virtual
N tableversion	F initializefeatures
F unpack	T keys
N version	T characters

Т	descriptions		S mode	
Т	parameters		S name	
9	5 ascender		S noglyphnames	
9	5 descender		S nostackmath	
9	5 designsize		S psname	
Т	expansion		S textitalics	
	S auto		S virtualized	
	S shrink	D	loadedfonts	
	S step	S	namemode	
	S stretch	N	noffontsloaded	
9	S extendfactor	N	nofsharedfonts	
9	5 factor	N	nofsharedhashes	
9	5 hfactor	N	nofsharedvectors	
9	5 mathsize	N	privateoffset	
Т	「 protrusion	D	privateslots	
	S auto	F	readanddefine	
9	5 quad	F	registerfeature	
9	S scaledpoints	F	resetfeature	
9	S scriptpercentage	В	resolvevirtualtoo	
9	S scriptscriptpercentage	F	scale	
9	S size	F	scaled	
9	S slantfactor	F	setfactor	
9	S slantperpoint	F	setfeature	
Т	「 spacing	F	setname	
	S extra	В	sharefonts	
	S shrink	F	trytosharefont	
	S stretch	N	version	
	S width	curr	ent	function
9	Sunits		entid	function
9	S vfactor	defi	ners	table
9	5 xheight	F	addlookup	
T	properties	F	analyze	
9	S autoitalicamount	F	applypostprocesso	rs
9	5 cidinfo	F	checkedmode	
9	5 embedding	F	checkedscript	
9	5 encodingbytes	F	current	
9	5 filename	S	defaultlookup	
9	5 finalized	F	define	
9	5 fontname	F	getspecification	
9	5 format		internal	
	5 fullname	F	loadfont	
5	5 hasitalics	F	makespecification	
9	5 hasmath	Т	methods	
9	S mathitalics		F install	

D variants	N Icyrillic
F read	N Idot
F register	N Iecyrillic
F registered	N Iicyrillic
F registersplit	N Iishortcyrillic
F resetnullfont	N Iocyrillic
F resolve	N Izhitsacyrillic
T resolvers	N Jecyrillic
F file	N Kacyrillic
F name	N Kcedilla
F spec	N Khacyrillic
<pre>definetypeface function</pre>	N Kjecyrillic
<pre>encodings table</pre>	N Lcedilla
T agl	N Ljecyrillic
D ctxcodes	N Ncedilla
D extras	N Njecyrillic
D names	N Ocyrillic
T synonyms	N Odblacute
N Acyrillic	N Ohm
N Becyrillic	N Pecyrillic
N Cdot	N Rcedilla
N Checyrillic	N Shacyrillic
N Decyrillic	N Shchacyrillic
N Djecyrillic	N Softsigncyrillic
N Dzecyrillic	N Tcedilla
N Dzhecyrillic	N Tecyrillic
N Ecyrillic	N Tsecyrillic
N Edot	N Tshecyrillic
N Efcyrillic	N Ucyrillic
N Elcyrillic	N Udblacute
N Emcyrillic	N Ushortcyrillic
N Encyrillic	N Vecyrillic
N Ercyrillic	N Yatcyrillic
N Ereversedcyrillic	N Yericyrillic
N Escyrillic	N Yicyrillic
N Fitacyrillic	N Zdot
N Gcedilla	N Zecyrillic
N Gdot	N Zhecyrillic
N Gecyrillic	N acutecmb
N Gheupturncyrillic	N acyrillic
N Gjecyrillic	N afii00208
N Hardsigncyrillic	N afii08941
N IAcyrillic	N afii57694
N IUcyrillic	N afii57695

N afii57700 N dammaarabic N afii57705 N dammatanaltonearabic N afii57723 N dargahebrew N dbllowline N alef N alefmaksurainitialarabic N decimalseparatorarabic N alefmaksuramedialarabic N dialytikatonos N approximatelyequal N dotbelowcmb N asteriskaltonearabic N doublevodpatah N ayin N doubleyodpatahhebrew N bet N edot N betdagesh N eightarabic N blackdownpointingtriangle N eighthnotebeamed N blackleftpointingpointer N etnahtafoukhhebrew N blackrectangle N etnahtafoukhlefthebrew N blackrightpointingpointer N etnahtahebrew N blacksmilingface N fathaarabic N blacksquare N finalkaf N blackuppointingtriangle N finalkafdagesh N bulletinverse N finalkafhebrew N cdot N finalkafgamats N compass N finalkafgamatshebrew N dagesh N finalkafsheva N finalmem N dalet N daletdagesh N finalnun N dalethatafpatah N finalpe N dalethatafpatahhebrew N finaltsadi N fivearabic N dalethatafsegol N dalethatafsegolhebrew N forall N dalethebrew N fourarabic N dalethirig N gcedilla N dalethirighebrew N gdot N daletholam N gimel N daletholamhebrew N gimeldagesh N daletpatah N gravecmb N haaltonearabic N daletpatahhebrew N daletqamats N hamzaarabic N daletgamatshebrew N hamzadammaarabic N daletqubuts N hamzadammatanarabic N daletqubutshebrew N hamzafathaarabic N daletsegol N hamzafathatanarabic N daletsegolhebrew N hamzalowarabic N daletsheva N hamzalowkasraarabic N daletshevahebrew N hamzalowkasratanarabic

N hatafpatah

N dalettsere

N hatafpatah16 N kashidaautonosidebearingarabic N hatafpatah23 N kcedilla N hatafpatah2f N lamed N hatafpatahhebrew N lameddagesh N hatafpatahnarrowhebrew N lamedhebrew N hatafpatahguarterhebrew N lamedholam N hatafgamats N lamedholamdagesh N hatafgamats1b N lamedholamdageshhebrew N hatafgamats28 N laminitialarabic N lammeemjeeminitialarabic N hatafgamats34 N hatafgamatshebrew N lcedilla N hatafqamatsnarrowhebrew N logicalnotreversed N hatafqamatsquarterhebrew N mahapakhhebrew N hatafsegol N mem N hatafsegol17 N memdagesh N hatafsegol24 N merkhahebrew N hatafsegol30 N merkhakefulahebrew N hatafsegolhebrew N middot N hatafsegolnarrowhebrew N munahhebrew N hatafsegolguarterhebrew N nbspace N he N ncedilla N hedagesh N newshegelsign N hehfinalalttwoarabic N ninearabic N noonhehinitialarabic N het N hiria N nun N hiriq14 N nundagesh N hirig21 N odblacute N hiriq2d N onearabic N hirighebrew N overscore N hirignarrowhebrew N patah N hirigguarterhebrew N patah11 N holam N patahld N holam19 N patah2a N holam26 N patahhebrew N holam32 N patahnarrowhebrew N holamhebrew N patahquarterhebrew N holamnarrowhebrew N pe N holamquarterhebrew N pedagesh N ilde N gamats N integralbottom N gamats10 N integraltop N gamatsla N kaf N gamats1c N kafdagesh N gamats27 N kashidaautoarabic N gamats29

N gamats33 N reshhatafpatahhebrew N reshhatafsegol N gamatsde N reshhatafsegolhebrew N gamatshebrew N gamatsnarrowhebrew N reshhebrew N gamatsgatanhebrew N reshhiriq N gamatsgatannarrowhebrew N reshhirighebrew N gamatsgatanguarterhebrew N reshholam N reshholamhebrew N gamatsgatanwidehebrew N gamatsquarterhebrew N reshpatah N reshpatahhebrew N qof N qofdagesh N reshgamats N qofhatafpatah N reshgamatshebrew N gofhatafpatahhebrew N reshaubuts N qofhatafsegol N reshaubutshebrew N qofhatafsegolhebrew N reshsegol N gofhebrew N reshsegolhebrew N gofhirig N reshsheva N reshshevahebrew N qofhiriqhebrew N qofholam N reshtsere N gofholamhebrew N reviahebrew N gofpatah N samekh N qofpatahhebrew N samekhdagesh N gofgamats N segol N gofgamatshebrew N segol13 N qofqubuts N segol1f N qofqubutshebrew N segol2c N gofsegol N segolhebrew N qofsegolhebrew N segolnarrowhebrew N qofsheva N segolquarterhebrew N gofshevahebrew N sevenarabic N goftsere N sfthyphen N qubuts N shaddaarabic N qubuts18 N sheqel N gubuts25 N sheva N sheval15 N gubuts31 N qubutshebrew N sheva15 N qubutsnarrowhebrew N sheva22 N qubutsquarterhebrew N sheva2e N quoteleftreversed N shevahebrew N rafe N shevanarrowhebrew N rcedilla N shevaquarterhebrew N reharabic N shin N resh N shindagesh N reshhatafpatah N shindageshshindot

N shindageshsindot	F make_unicode_vec	tor
N shinshindot	D math	
N shinsindot	N version	
N siluqhebrew	enhanceid	function
N sixarabic	expansions	data table
N tav	formats	data table
N tavdages	getalternate	function
N tavdagesh	getdiscexpansion	function
N tcedilla	getkern	function
N tchehinitialarabic	getmultiple	function
N tet	getsubstitution	function
N tetdagesh	getters	table
N tevirhebrew	T alternate	
N thousandsseparatorarabic	F opentype	
N threearabic	T kern	
N tildecmb	F opentype	
N tipehahebrew	F type1	
N tsadi	T multiple	
N tsadidagesh	F opentype	
N tsere	T substitution	
N tsere12	F opentype	
N tserele	goodies	table
N tsere2b	D colorschemes	
N tserehebrew	T data	
N tserenarrowhebrew	T dejavu-math	
N tserequarterhebrew	S author	
N twoarabic	S comment	
N udblacute	S copyright	
N vav	B initialized	
N vavdagesh	T mathematics	
N vavdagesh65	T alternates	
N vavholam	T dotless	
N yerahbenyomohebrew	N attribut	e
N yod	S comment	
N yoddagesh	S feature	
N zayin	N value	
N zayindagesh	T kerns	
N zdot	S name	
N zeroarabic	S version	
D unicodes	D designsizes	
D cache	D filenames	
F is_known	F getcompositions	
D known	T list	
F load	F compositions	

F designsizes		helpers	table
F expansions		F addprivate	
F featureset		F dimenfactor	
F filenames		F expandglyph	
F files		F fontpatternhassi	ze
F mathematics		F getcoloredglyphs	
F protrusions		F getdigitwidth	
F solutions		F getparameters	
F treatments		F getprivatenode	
F typefaces		F hasprivate	
F load		F indextoslot	
F prepare_feature	S	F name	
F register		F nametoslot	
F registerpostpro	cessor	F setdigitwidth	
F report		F splitfontpattern	
T suffixes		F tochar	
handlers	table	infofont	function
hashes	table	iterators	table
D characters		F characters	
D csnames		F descriptions	
D descriptions		F glyphs	
D dynamics		loggers	table
D emwidths		F add_placeholders	
D exheights		D category_to_place	eholder
D extensibles		F format	
D features		F onetimemessage	
D identifiers		F register	
D italics		F reportdefinedfon	ts
D lastmathids		F reportusedfeatur	es
D marks		mappings	table
D modes		F addtounicode	
D originals		F fromunicode16	
D parameters		F loadfile	
T processes		F loadline	
D properties		F makenameparser	
D quads		D overloads	
D resources		F reset	
T setdynamics		F tounicode	
T shapes		F tounicode16	
D spaces		F tounicodel6seque	
D spacings		metapost	table
D unicodes		F boundingbox	
D variants		F boxtomp	
D xheights		F draw	

F fill		T options
F maxbounds		S extras
F output		S features
F paths		T latinmodernmath
F widthline		T options
F zeroline		S extras
mp	table	S features
D cache		S goodies
B inline		T lucidabrightmathot
N version		T options
names	data table	S extras
nulldata	data table	S features
protrusions	data table	S goodies
readers	table	T neoeuler
Fafm		T options
F check_lua		S extras
F check_tfm		S features
F lua		T rm
F ofm		T features
F opentype		S sc
F otf		T ss
F pfb		T features
D sequence		S sc
F tfm		T texgyrebonummath
F ttc		T options
F ttf		S extras
reserveid	function	S features
select	table	T texgyredejavumath
T alternatives		T options
F bodyfont		S extras
T data		S features
F default		T texgyrepagellamath
T defaults		T options
T asanamath		S extras
T options		S features
S extras		T texgyrescholamath
S features		T options
S goodies		S extras
T cambriamath		S features
T options		T texgyretermesmath
S extras		T options
S features		S extras
S goodies		S features
T dejavumath		T xitsmath

T options	F userdata	
S extras	setdiscexpansion	function
S features	specifiers	table
S goodies	D contextmerged	
F definefallbackfamily	F contextnumber	
F definefontfamily	D contextnumbers	
F definefontfamilypreset	D contextsetups	
T extras	F contexttostring	
F features	F definecontext	
F goodies	F mergecontext	
F fallback	F presetcontext	
T fallbacks	F registercontext	
F features	F showcontext	
F filefallback	F splitcontext	
F fontdata	D synonyms	
F fontfallback	D variants	
F fontsynonym	symbols	table
F goodies	F uselibrary	
F mathfallback	tables	table
T methods	D data	
F default	F savefont	
F file	F saveoriginal	
F name	tracers	table
F style	treatments	table
T presets	F applyfixes	
F registerfallback	D data	
F registerfiles	S filename	
F registerfontalternative	F ignoredfile	
F registerfontfamily	F report	
F textfallback	F trace	

F typeface F typescript typefaces

table

functions (context)

dummy function

graphics (context)

backgrounds table

F calculatemultipar

F fetchmultipar

F pair

F path

F point

gzip (extra lua)

close	function	open	function
lines	function	save	function
load	function	suffix	function

img (basic tex)

boxes	function	ofindex	function
check	function	package	function
checksize	function	print	function
clone	function	scan	function
сору	function	serialize	function
immediatewrite	function	totable	function
keys	function	types	function
new	function	write	function
node	function		

interactions (context)

attachments data table D functions fields table D preambles F clone F setpreamble F define F storecode F defineset F storepreamble F insert F usepreamblenow general table F usescripts linkedlists data table F getidentity pages table F setupidentity help table F setpagetransition F collect F setupcanvas table references F reference F register F setclosedocument javascripts table F setclosepage F addtopreamble F setopendocument F code F setopenpage renderings data table D codes soundclips data table F flushpreambles

interfaces (context)

addvalidkeys	function	F MPplus
cachedsetups	data table	F MPpos
cachesetup	function	F MPposset
checked specification	function	F MPr
complete	data table	F MPrest
constants	data table	F MPrs
corenamespaces	data table	F MPul
currentinterface	string	F MPur
currentresponse	string	F MPw
definecommand	function	F MPx
defined	function	F MPxy
doifelsemessage	function	F MPxywhd
elements	data table	F MPy
formats	data table	F Romannumerals
getcheckedparameters	function	F abjadnodotnumerals
getmessage	function	F abjadnumerals
getsetupstring	function	F addcounter
hashedsetups	data table	F addfeature
implement	function	F addgrapheme
interfacedcommand	function	F addlinklistelement
interfaces	table	F addreplacements
invalidkey	function	F addtocolumnset
message	function	F addtojavascriptpreamble
namespaces	table	F addtolist
F define		F addvalidinterfacekeys
F list		F allinputpaths
registernamespace	function	F alphabetic
scanners	table	F analysefloatmethod
F Alphabetic		F analyzeitemgroup
F Character		F analyzelist
F Characters		F analyzeregister
F MPLIBconvertoutlinetex	t	F applytobox
F MPc		F applytofirstcharacter
F MPd		F assignbuffer
F MPh		F autofinishstructurelevels
F MPll		F autonextspace
F MPlr		F autonextstructurelevel
F MPls		F autosetups
F MPn		F autostarttext
F MPp		F autostoptext
F MPpardata		F averagecharwidth

F bitmapimage F btxloadreplacementfile F blockcolumnset F btxoneorrange F boxtostring F btxpreparelistentries F btxremapauthor F bposcolumn F bposcolumnregistered F btxsavedataset F btxabbreviatedjournal F btxsavejournallist F btxaddentrv F btxsetdataset F btxaddiournal F htxsetentry F btxsetregister F htvauthor F htvauthorfield F btxsetspecification F btxauthortoregister F btxsingularorplural F btxcollectlistentries F btxtoregister F btxcurrentfirstnames F btxusedataset F btxcurrentinitials F btxuservariable F btxcurrentiuniors F buildtextaccent F btxcurrentsurnames F character F btxcurrentvons F characters F btxdetail F chardescription F btxdirect F checkcolumnset F btxdoif F checkcountersetup F btxdoifelse F checkedconversion F btxdoifelsecombiinlist F checkedpagefloat F btxdoifelsesameasprevious F checkinjector F btxdoifelseuservariable F checkinterfacechain F btxdoifnot F checktwopassdata F btxexpandediournal F chemicalcomponent F btxfetchlistentries F chinesenumerals F btxfield F cleanfontname F btxfieldname F cleanupbox F btxfieldtype F cleanuplayers F btxfirstofrange F clonefield F htxflush F collectfloat F btxflushlistcombi F collecthelp F btxflushlistentry F colorcomponents F btxflushmarked F columnsetcurrentcolumn F btxflushpages F columnsetgoto F btxfoundname F columnsetnoto F btxfoundtype F concatcommalist F btxhandlecite F consultfloat F btxhandlenocite F convertbtxdatasettoxml F btxlastofrange F converteddimen F btxlistvariant F convertmpstopdf F btxloaddefinitionfile F copyboxfromcache F btxloadjournallist F copyposition

F cos F definelabels F definelanguage F cosd F countervalue F definelinefiller F definelinkedlist F counttwopassdata F currentcomponent F definemarking F currentdate F definemetafont F definemultitonecolorglobal F currentdesignsize F definenamespace F currentenvironment F currentposthyphenchar F definenate F defineparallel F currentprehyphenchar F currentproduct F defineparbuilder F currentproject F defineprocesscolordummv F currentreferenceorder F defineprocesscolorglobal F currentsectiontolist F defineprocesscolorlocal F datasetvariable F defineprogram F davname F definereference F defineregister F decimals F definerule F decrement counter F definesectionlevels F decrementedcounter F defineshift F decrementsubcounter F defineaccents F definesnapmethod F defineattribute F definespotcolorglobal F definebreakpoint F definestructureblock F definestructureset F definebreakpoints F definecharacterspacing F definetransparency F definechemical F definetwopasslist F definecolumnset F definetypeface F defineconversion F defineviewerlayer F definecounter F depthnumber F definedlayoutcomponent F digits normal F definefallbackfamily F digits reverse F definefield F directhoxfromcache F definefieldset F directcopyboxfromcache F definefilefallback F disableautofontscript F definefilesynonym F disabledirectives F definefont one F disableexperiments F definefont two F disablejobsave F definefontfamily F disableparbuilder F definefontfamilypreset F disableregime F definefontfeature F disablespellchecking F definefontsolution F disablestatetriggering F definehyphenationfeatures F disablestream F defineinsertion F disabletrackers

F discardfromlist

F defineintermediatecolor

F doanalvzeframedbox F doifelsesame F doifcommon F doifelsestackedfloats F doifcounter F doifelsesynonymshown F doifelseblack F doifelsesynonymused F doifelsebuffer F doifelseurldefined F doifelsecharinfont F doifelseutfmathabove F doifelsecommon F doifelseutfmathaccent F doifelsecontinuewithfile F doifelseutfmathbelow F doifelseconverter F doifelseutfmathfiller F doifelsecounter F doifelsevisualizer F doifelsecurrentfonthasfeature F doiffieldsetelse F doifelsedrawingblack F doifinset F doifelsefieldcategory F doifnotcommon F doifelsefiledefined F doifnotcounter F doifelsefileexist F doifnotecontent F doifnoteonsamepageasprevious F doifelsefirstchar F doifelsefontpresent F doifnotinset F doifelseinelement F doifnotsame F doifelseinputfile F doifposition F doifelseinset F doifsame F doifelseintwopassdata F doprocesstypescriptfile F doifelseleapvear F doreshapeframedbox F doifelselisthasentry F dosaveposition F doifelselisthasnumber F dosavepositionplus F doifelselisthaspage F dosavepositionwhd F doifelselisthastitle F dosetposition F doifelselocfile F dosetpositionbox F doifelsemarking F dosetpositionplus F doifelsemessage F dosetpositionstrut F doifelseobject F dosetpositionwhd F doifelseobjectreference F dostarttextfile F doifelseolderversion F dostoptextfile F doifelseoverlapping F elapsedtime F doifelseparallel F enableasciimode F enableautofences F doifelseparentfile F doifelsepathexist F enableautofontscript F doifelseposition F enablebackgroundalign F doifelsepositiononpage F enablebackgroundboxes F enablecolor F doifelsepositionsonsamepage F doifelsepositionsonthispage F enablecolorintents F doifelsepositionsused F enablecrlf F doifelserangeonpage F enabledirectives F enableexperiments F doifelsereference

F enablefontcolorschemes

F doifelserighttoleftinbox

F enableinteraction F figure push F enablelinefillers F figure register page F enableparbuilder F figure reset F enableregime F figure scale F enablerules F figurefilename F enableshifts F figurefilepath F enablespellchecking F figurefiletype F enablestatetriggering F figurerequest F enablestream F figuresetdimensions F enabletrackers F figurestatus F enabletransparency F figureused F enableutf F filterdefaultreference F enhancelinkedlist F filterreference F enhancelist F finalizebox F enhancereference F findregisterinternal F enhanceregister F findtwopassdata F eposcolumn F finishcolumnsetflush F eposcolumnregistered F finishexport F erasebuffer F firstcountervalue F firstinset F execute F expandcurrentreference F firstsubcountervalue F exportformdata F flushcolumnsetareas F exportreferences F flushcolumnsetcolumn F extendregister F flushcolumnsetrest F extensiblecode F flushfloat F fakeword F flushlabeledfloat F featureattribute F flushnotes F featurelist F flushpageinjectionsafter F feedback F flushpageinjectionsbefore F fetchallmarks F flushpostponedblocks F fetchmultipar F flushpostponednotes F fetchmultishape F flushstream F fetchonemark F flushstreamcopy F fetchposboxes F fontchar F fetchtwomarks F fontcharbyindex F figure check F fontcollectionclone F figure_done F fontcollectiondefine F figure_dummy F fontcollectionprepare F figure_flush_registered_pages F fontcollectionregister F figure_identify F fontcollectionreport F figure_include F fontcollectionreset F figure_mergegoodies F fontlookupgetkey F figure nof registered pages F fontlookupgetkeyofindex F figure pop F fontlookupinitialize

F fontlookupnoffound F getrandomdimen F forceendjob F getrandomfloat F forcequitjob F getrandomnumber F formatcolor F getrandomseed F formatgray F getreadfilename F from F getsetupstring F frule F getsomefullstructurenumber F aetbidimode F aetsomestructurenumber F getbodyfontsizes F getspecificstructuretitle F getboxfromcache F getstructurelevel F getbuffer F getstructurenumber F getbufferctxlua F aetsubstrina F getbuffermkvi F gettexbuffer F getcheckedinterfaceparameters F gettwopassdata F getcurrentprefixspec F gettwopassdatalist F getcurrentreferencemetadata F geturl F getdefaultfieldvalue F getvisual F hboxtovbox F getdocumentargument F getdocumentfilename F helpaction F getelementtag F helpreference F getfieldcategory F hexstringtonumber F getfile F horizontalcode F getfirstcharacter F hour F hyphenatedlist F getfirsttwopassdata F getfloatvariable F hyphenatedurl F getfullstructurenumber F immediatemessage F increment counter F getinternalcachedlistreference F getinternallistreference F incrementedcounter F incrementsubcounter F getlasttwopassdata F getmarking F initializejob F initializemathdomain F getmathdomain F getmathitalics F initializemathitalics F getmessage F initializestream F initializetexdirectives F getmpextensions F getmprandomnumber F initializetextrackers F getnaturaldimensions F injectcurrentreference F getnaturalwd F injectcurrentreferencehtdp F getnotestate F injectreference F getobjectdimensions F inlinechemical F getobjectreference F inputfilebarename F getobjectreferencepage F inputfilename F getprivatechar F inputfilerealsuffix F inputfilesuffix F getprivateglyphslot

F insertattachment

F getprogram

F insertcomment F lpdf addtonames F insertfield F lpdf addtopageattributes F insertionnumber F lpdf_addtopageresources F insertrenderingwindow F lpdf addtopagesattributes F installedlanguages F lpdf collectedresources F installtexdirective F lpdf color F installtextracker F luascript F iobfilename F luathread F jobfilesuffix F lymlid F markcontent F languagenumber F lastcountervalue F markingnumber F lastsubcountervalue F markingtitle F lchexnumber F markinjector F lchexnumbers F markregionbox F leapyear F markregionboxcorrected F linenumbersstageone F markregionboxtagged F linenumbersstagetwo F markvisualfonts F mathfraction F listgroupindex F listlabel F mathrenderset F listlocation F message F listnamespaces F metapostescaped F listprefixednumber F metapostformatted F listprefixedpage F metapostgraphformat F listrealpage F minute F listsize F mixcleanup F listtitle F mixfinalize F listuserdata F mixflushlist F loadexamodes F mixflushrest F loadfontgoodies F mixgetsplit F loadluamodule F mixsetsplit F loadmapfile F mixstate F loadmapline F molecule F loadspellchecklist F month F loadtypescriptfile F monthmnem F loadvisualizer F monthname F locatefilepath F mpcolor F locfilename F mpflushliteral F lower F mpflushreset F lpdf adddocumentcolorspace F mpgettext F lpdf adddocumentextgstate F mpgraphic F lpdf_adddocumentpattern F mpoptions F lpdf_adddocumentshade F mprunset

F mpruntab

F mprunvar

F lpdf addtocatalog

F lpdf addtoinfo

F mpsetclippath F pdfstopmirroring F mpsetoutercolor F pdfstoprotation F pdfstopscaling F mpsetsxsy F percentageof F mpsettext F mptexget F pqfxcolorspec F mptexreset F pickupbuffer F mptexset F pickupmarkedcontent F motexsetfrombuffer F pickuppunctuation F namedstructureuservariable F placeparallel F namedstructurevariable F popfloat F naturalwd F pophyphenation F nhfs F popitaliccorrection F nextcountervalue F poplist F nextparallel F poppath F nextsubcountervalue F poprandomseed F nofconversions F popreferenceprefix F nofdays F popregime F nofstackedfloats F popsectionblock F notedeltapage F postponenotes F noteinternal F prefixedconverted F notelistindex F preparecolumnsetflush F noteprefixednumber F presetsymbollist F notetitle F presettabulate F prevcountervalue F ntimes F number F previoussubcountervalue Fnumbers F processbodyfontsizes F processbuffer F octnumber F octstringtonumber F processcolorcomponents F processedfile F operatingsystem F ordinal F processedfiles F outputfilename F processfile F overloadbookmark F processfilemany F overloaderror F processfilenone F overloadlowercase F processfileonce F overloaduppercase F processiob F pageofinternal F processlist F pagestaterealpage F processregister F parpos F processsplit F pdfrotation F processsynonyms F pdfstartmatrix F profilebox F pdfstartmirroring F purefontname F pdfstartrotation F pushfloat F pushhyphenation

F pushitaliccorrection

F pdfstartscaling F pdfstopmatrix F pushlist F registershownsynonym F registerstructureprocessor F pushpath F pushrandomseed F registersynonym F pushreferenceprefix F registerunit F pushregime F registerusedsynonym F pushsectionblock F registeruserdata F pushstream F relatemarking F renderingvar F putboxincache F putincolumnset F replacefeature F rawcharacter F replacepospxywhd F rawcountervalue F reportstructure F rawdate F resavefloat F rawsetupstring F resetboxesincache F rawsubcountervalue F resetcharacteralign F referencepagedetail F resetcolumnset F referencepagestate F resetcounter F referencerealpage F reseteffect F resetfeature F registerattachment F resetfontfeature F registerbackendsymbol F registerbodyfontsize F resetfontsolution F registerbookmark F resetiniector F registerbuttons F resetitaliccorrection F registercolorintent F resetmanfiles F registercolumnsetarea F resetmarking F registeredviewerlayer F resetmathattributes F registerfigurepattern F resetmathitalics F registerfiguresuffix F resetnullfont F registerfontalternative F resetparallel F registerfontfamily F resetpath F registerhelp F resetprevdepth F registerhyphenationexception F resetreference F registerhyphenationpattern F resetscript F registeritemgroup F resetshownsynonyms F resetstructureprocessor F registerlanguagefeatures F resetsubcounter F registerlinenumbering F registermaintextcolor F resettimer F registermpyfile F resettrackers F registernamedlua F resetusedsynonyms F registernamespace F restartcounter F registerobject F restartsubcounter F registerpostponedblock F restorecounter F registerreferencedobject F restorecurrentattributes

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F restorenote

F restoreobject

F registerrendering

F registersection

F reuserandomseed F setdestinationattribute F revivefeature F setdigitsmanipulation F romannumerals F setdirection F rounded F setdocumentargument F runbuffer F setdocumentcommandline F runcontextjob F setdocumentctxfile F safechar F setdocumentdefaultargument F savebuffer F setdocumentenvironments F savecounter F setdocumentfilename F savecurrentattributes F setdocumentfilenames F savedlistnumber F setdocumentmodes F savedlistprefixednumber F setdocumentmodules F savedlisttitle F seteffect F savefloat F setelementuserproperties F savefont F setfieldcalculationset F savemargindata F setfigurelookuporder F savenote F setfigurepaths F setfirstline F savepagedata E setfontfeature F savepageinjections F setfontofid F saveparallel F savespecificfloat F setfontsolution F savestructureblock F setformat F setformsmethod F savetaggedtwopassdata F savetwopassdata F sethsizecolumnset F savevariable F sethsizecolumnspan F second F sethyphenatedurlcharacters F selectstructureblock F sethyphenationfeatures F setactivecatcodes F sethyphenationmethod F setinitial F setbreakpoints F setcharacteralign F setinitialsectionblock F setcharactercasing F setinjector F setcharactercleaning F setinnerreferencemethod F setcharacterkerning F setinsertionlocation F setinterfaceconstant F setcharacterspacing F setinterfaceelement F setcharacterstripping F setclosedocumentaction F setinterfacemessage F setclosepageaction F setinterfacemessages F setcolormodel F setinterfacevariable F setcolumnsetarea F setinternalreference F setcolumnsetlines F setitaliccorrection F setcolumnsetproperties F setjavascriptpreamble F setcolumnsetstart F setjobcomment F setcounter F setlanguageexceptions F setdataset F setlanguagesynonym

F setlettercatcodes F settagaspect F setmanfile F settagcombination F setmapline F settagdelimitedsymbol F setmarking F settagfigure F setmathalphabet F settaggedmetadata F setmathalternate F settaghighlight F setmathattribute F settagitem F setmathdirection F settagitemgroup F setmathdomain F settaglist F setmathitalics F settagnotation F setmathstyle F settagnotationsymbol F setmpextensions F settagproperty F setnaturalwd F settagproperty b F setnegative F settagproperty n F setnextinternalreference F settagregister F setnextreferenceorder F settagsorting F setnotestate F settagsubsentencesymbol F setopendocumentaction F settagsynonym F settagtablecell F setopenpageaction F setowncounter F settagtabulatecell F setownsubcounter F setupbookmarks F setpagecolormodel F setupcanvas F setupcharacterspacing F setpagestate F setupexport F setpagestaterealpageno F setpagetransition F setupfontexpansion F setparbuilder F setupfontprotrusion F setpdfcompression F setupidentity F setprofile F setupinsertion F setrandomseed F setupitaliccorrection F setrealign F setuplinenumbering F setrealspaces F setuserinterface F setvalidinterfacekeys F setreferencearguments F setreferenceoperation F setvisual F setvisualfont F setregionbox F setregionboxtagged F setvisuallayer F setregistermethod F setvisuals F setreplacements F setvsizecolumnset F setscript F setxmpfile F setsectionblock F showassignerror F setsectionentry F showattributes F setstructureblockstate F showcounter F setstructurelevel F showdebuginfo F setstructurenumber F showdirectives

F showdiscretionaries

F setsubcounter

F showexperiments F stopstream F showhyphenatedinlist F stoptag F showhyphenationtrace F stoptext F showinjector F stopviewerlayer F showjustification F storejavascriptcode F showlogcategories F storejavascriptpreamble F showmessage F storenote F showtrackers F storeregister F sin F strdp F strhd F sind F strht F splitfilename F spotcolorname F strip F spotcolorparent F structureautocatcodedget F spotcolorvalue F structurecatcodedget F startactualtext F structuregivencatcodedget F startchemical F structurenumber F startcolorset F structuretitle F structureuservariable F startcomponent F structurevariable F startenvironment F startfontsolution F strwd F startparbuilder F subcountervalue F startproduct F subcountervalues F startproject F subsubcountervalues F startregime F subtractfeature F startsectionlevel F synchronizemarking F startstream F synchronizestream F starttag F synonymmeaning F starttag c F synonymname F systemlog F starttag d F starttag u F tagmfunctionlab F starttext F tagmfunctiontxt F startviewerlayer F tan F tand F step F stopactualtext F texdefinition one F stopchemical F texdefinition two F stopcolorset F textime F stopcomponent F thefirstcharacter F stopenvironment F themaxboxwidth F stopfontsolution F theremainingcharacters F stopparbuilder F tochar F stopproduct F transparencycomponents F stopproject F triggerpagebuilder F truefilename F stopregime F stopsectionlevel F type

F typebuffer F utfmathcommandfiller F typefile F utfmathfiller F uchar F utfmathstretch F uchexnumber F vboxlisttohbox F uchexnumbers F verbose F undefinechemical F vspacing F unicodechar F vspacingcollapse F vspacingcollapseonly F unihex F unit normal F vspacingdefine F unit reverse F vspacingsetamount F unloadlanguage F vspacingsnap F upper F wav F useMPlibrary F weekday F useanvfile F weekdayname F useanvfileonce F writestatus F usecldfile F x table c F usecldfileonce F x_table_cleanup F usecolors F x table construct F usecomponent F x table create F useenvironment F x table finish row F usefigurebase F x table flush F usefile F x_table_init_construct F x_table_init_reflow_height F usejavascriptpreamble F usejavascriptscripts F x_table_init_reflow_height_option E useluafile F x table init reflow width F useluafileonce F x_table_init_reflow_width_option F useluamodule F x_table_next_row F usemodules F x table next row option F usepath F x table r F useproduct F x_table_reflow_height F useproject F x_table_reflow_width F usesubpath F x table set construct F usesymbols F x table set reflow height F usetexfile F x table set reflow width F xmladdindex F usetexfileonce F useurl F xmlaftersetup F usexmlfile F xmlall F usexmlfileonce F xmlappendsetup F usezipfile F xmlapplyselectors F utfchar F xmlatt F utfmathclass F xmlattdef F utfmathcommand F xmlattribute F utfmathcommandabove F xmlattributedef F utfmathcommandbelow F xmlbadinclusions

F xmlbeforesetup F xmlindex F xmlchainatt F xmlinlineverbatim F xmlchainattdef F xmlinstalldirective F xmlchecknamespace F xmllast F xmlcommand F xmllastatt F xmlconcat F xmllastmatch F xmlconcatrange F xmlload F xmlcontext F xmlloadbuffer F xmlloaddata F xml count F xmldelete F xmlloaddirectives F xmlloadentities F xmldirect F xmldirectives F xmlmain F xmldirectivesafter F xmlmatch F xmldirectivesbefore F xmlname F xmldisplayverbatim F xmlnamespace F xmldoif F xmlnonspace F xmldoifelse F xmlpath F xmldoifelseempty F xmlpos F xmldoifelseselfempty F xmlprependsetup F xmldoifelsetext F xmlpure F xmldoifemptv F xmlraw F xmldoifnot F xmlrawtex F xmldoifnotempty F xmlrefatt F xmldoifnotselfempty F xmlregisterns F xmldoifnottext F xmlremapname F xmldoifselfemptv F xmlremapnamespace F xmldoiftext F xmlremovesetup F xmlelement F xmlresetinjectors F xmlfilter F xmlresetsetups F xmlfilterlist F xmlsave F xmlfirst F xmlsetcommandtonone F xmlflush F xmlsetcommandtotext F xmlflushcontext F xmlsetentity F xmlflushlinewise F xmlsetinjectors F xmlflushpure F xmlsetsetup F xmlflushsetups F xmlsnippet F xmlflushspacewise F xmlstartraw F xmlflushtext F xmlstarttiming F xmlfunction F xmlstopraw F xmlaetindex F xmlstoptiming F xmlinclude F xmlstrip F xmlincludeoptions F xmlstripanywhere F xmlinclusion F xmlstripnolines

F xmlstripped

F xmlinclusions

F xmlstrippednolines		setmacro	function
F xmltag		setmessage	function
F xmltexentity		setmessages	function
F xmltext		settranslation	function
F xmltobuffer		setupstrings	data table
F xmltobufferverbose		setuserinterface	function
F xmltofile		setvalidkeys	function
F xmltoparameters		setvariable	function
F xmlverbatim		showmessage	function
F xmlwithindex		storedscanners	data table
F year		strings	table
setconstant	function	syntax	data table
setcount	function	tolist	function
setdimen	function	translations	data table
setelement	function	variables	data table

writestatus

function

function

setformat

io (basic lua)

ask function
bytes function
characters function
close function
exists function
fileseparator string
flush function

loadchunk function
loaddata function
loadlines function
noflines function

pathseparator string

function read readall function readnumber function readstring function savedata function size function stderr userdata stdin userdata stdout userdata tmpfile function function type write function

jit (context)

arch string
attach function
flush function
off function
on function
opt table

F start

os string
status function
version string
version_num number

job (context)

comment	function	F	find	
datasets	table		first	
D collected			get	
F extend			getcollected	
F getdata			getdata	
F setdata			getfield	
D tobesaved			gettobesaved	
disablesave	function		inlist	
fileobjreferences	table	F	last	
D collected		F	list	
D tobesaved		F	save	
files	table	F	savetagged	
D collected		D	tobesaved	
F context		posi	tions	table
B forcerun		F	b_column	
F run		F	b_region	
D tobesaved		F	С	
initialize	function	D	collected	
load	function	F	column	
loadother	function	F	сору	
objects	table	F	depth	
D collected		F	e_column	
F get		F	e_region	
F number		F	enhance	
F page		F	extra	
F save		F	get	
F set		F	getreserved	
D tobesaved		F	gettobesaved	
pack	boolean	F	hangafter	
packversion	number	F	hangindent	
pagestates	table	F	height	
D collected			hsize	
F extend		F	leftskip	
F realpage			lowerleft	
F setstate			lowerright	
D tobesaved			markregionbox	
passes	table	F		
F check			onsamepage	
D collected			overlapping	
F count		F		
F define		F	page	

F paragraph F parindent	register save	function function
F position	structure	table
Fr	D collected	tubte
Fregion	T components	
F replace	T tobesaved	
Frightskip	T branches	
F set	S name	
F setall	S type	
F setdim	variables	table
F setregionbox	D checksums	
D tobesaved	D collected	
F upperleft	F getchecksum	
F upperright	F makechecksum	
S used	F restore	
F width	F save	
Fx	F setchecksum	
F xy	D tobesaved	

Fу

version

number

lang (basic tex)

clean	function	id	function
<pre>clear_hyphenation</pre>	function	new	function
clear_patterns	function	patterns	function
exceptions	function	postexhyphenchar	function
gethjcode	function	posthyphenchar	function
hyphenate	function	preexhyphenchar	function
hyphenation	function	prehyphenchar	function
hyphenationmin	function	sethjcode	function

languages (context)

associate	function	F registerpattern	
associated	data table	F setfeatures	
association	function	installed	function
counters	data table	labels	table
current	function	F define	tabte
data	data table	F split	
decimals	data table	loadable	function
define	function	loadwords	function
expand	function	logger	table
expanders	table	F report	table
frequencies	table	numbers	data table
F averagecharwidth	table	postexhyphenchar	function
F getdata		posthyphenchar	function
getdata	function	preexhyphenchar	function
getnumber	function	prehyphenchar	function
hyphenate	function	registered	data table
hyphenators	table	replacements	table
T dictionaries	caste	F add	tubte
D featuresets		F handler	
F handler		F set	
T methods		serializediscretionary	function
F expanded		setexceptions	function
B none		setsynonym	function
F original		showdiscretionaries	function
F tex		unload	function
F traditional		urls	table
B optimize		D characters	
F popmethod		N lefthyphenmin	
F pushmethod		D mapping	
F setmethod		B packslashes	
F setup		N righthyphenmin	
F showhyphenationtrace		F setcharacters	
T traditional		version	number
F definefeatures		visualizediscretionaries	function
F gettrace		words	table
F hyphenate		F check	
F injecthyphens		T data	
F installmethod		F disable	
F lasttrace		F enable	
F loadpatterns		T enablers	
F registerexception		B enables	

F found T methods
F load N threshold

layouts (context)

status table
 F isleftpage

F leftorrightpageaction

lfs (extra lua)

attributes	overloaded	function
chdir	overloaded	function
currentdir	function	
dir	overloaded	function
isdir	overloaded	function
isfile	overloaded	function
lock	function	
lock_dir	overloaded	function
mkdir	overloaded	function

mkdirs readlink rmdir setmode shortname symlinkattributes touch	function overloaded overloaded overloaded overloaded overloaded	function function function 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	
F td	

F th

include function inherited table

S color-background-four

S color-background-one

S color-background-three

S color-background-two

S title

initialize function inject function lmxfile function loadedfile function function make new function overloaderror function popupfile function print function pν function report function reset function result function set function show function showdebuginfo function showerror function stripcss function tν function function type function urlescape variable function table variables

- 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	reportlines	function
categories	function	setformats	function
direct	function	setformatters	function
disable	function	setlogfile	function
enable	function	setmessenger	function
exporters	table	setprocessor	function
extendbanner	function	setprogram	function
flush	function	settarget	function
help	function	settimedlog	function
messenger	function	settranslations	function
new	function	show	function
newline	function	show_close	function
poptarget	function	show_load	function
pushtarget	function	show_open	function
report	function	simple	function
reportbanner	function	simpleline	function
reporter	function	simplelines	function
reporters	table	start_page_number	function
F banner		status	function
F export		stop_page_number	function
F help		subdirect	function
F info		subreport	function
F lines		system	function
F version		texerrormessage	function
reportline	function	writer	function

lpdf (context)

	£ 4.3	finalianda sumant	£
action	function	finalizedocument	function
adddocumentcolorspace	function	finalizepage	function
adddocumentextgstate	function	finishtransparencycode	function
adddocumentpattern	function	flushobject	function
adddocumentshade	function	flushstreamfileobject	function
addtocatalog	function	flushstreamobject	function
addtoinfo	function	formats	data table
addtonames	function	frompdfdoc	function
addtopageattributes	function	fromsixteen	function
addtopageresources	function	gethpos	function
addtopagesattributes	function	getmatrix	function
addxmpinfo	function	getpos	function
annotationspecification	function	getvpos	function
array	function	graycode	function
boolean	function	hasmatrix	function
border	function	id	function
checkedkey	function	injectxmpinfo	function
checkedvalue	function	insertxmpinfo	function
circularshade	function	layerreference	function
cmykcode	function	limited	function
collectedresources	function	linearshade	function
color	function	nametree	function
colorspace	function	null	function
colorspaceconstants	data table	number	function
colorspec	function	pagereference	function
colorvalue	function	pdfcolor	function
colorvalues	function	pdftimestamp	function
constant	function	permitdetail	function
delayedobject	function	protectresources	boolean
destinationspecification	function	rectangle	function
dictionary	function	reference	function
docstring	function	registerannotation	function
epdf	table	registerdestination	function
F contenttotext		registerdocumentfinalizer	function
F expand		registerpagefinalizer	function
F expanded		reserveobject	function
F getpagecontent		rgbcode	function
F getstructure		rotationcm	function
F load		setdates	function
F unload		settime	function
escaped	function	settrailerid	function

shareobject	function	transform	function
shareobjectreference	function	transparency	function
spotcode	function	transparencycode	function
stream	function	transparencygroups	table
string	function	B none	
timestamp	function	transparencyvalue	function
toeight	function	unicode	function
topdfdoc	function	verbose	function
tosixteen	function		

lpeg (basic lua)

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

ltn12 (extra lua)

BLOCKSIZE	number	F simplify	
filter	table	F table	
F chain		source	table
F cycle		F cat	
pump	table	F chain	
F all		F empty	
F step		F error	
sink	table	F file	
F chain		F rewind	
F error		F simplify	
F file		F string	
F null			

lua (basic tex)

bytecode	table	lastbytecode	number
bytedata	data table	mask	string
bytedone	table	messages	data table
B page-cst		name	table
collectgarbage	function	numbers	data table
delay	function	registercode	function
finalize	function	registeredcodes	function
firstbytecode	number	registerfinalizer	function
flush	function	registername	function
flushdelayed	function	setbytecode	function
<pre>get_functions_table</pre>	function	setluaname	function
getbytecode	function	startupfile	string
getluaname	function	version	string

luatex (context)

cleanuptempfiles function
registerdumpactions function
registerpageactions function
registerstartactions function

registerstopactions registertempfile starttime function function number

lxml (context)

		63	
addindex	function	flush	function
all	function	flushlinewise	function
applyfunction	function	flushsetups	function
applyselectors	function	flushspacewise	function
att	function	get_id	function
attribute	function	getid	function
badinclusions	function	getindex	function
chainattribute	function	id	function
checkindex	function	idsplitter	userdata
collected	function	include	function
command	function	inclusion	function
concat	function	inclusions	function
concatrange	function	index	function
content	function	inlineverbatim	function
context	function	installsetup	function
convert	function	last	function
count	function	lastatt	function
delete	function	lastmatch	function
direct	function	load	function
directives	table	loadbuffer	function
F after		loaddata	function
F before		loaded	table
F handle		main	function
F load		match	function
F setup		name	function
displayverbatim	function	namespace	function
doif	function	nonspace	function
doifelse	function	path	function
doifelseempty	function	pos	function
doifelsetext	function	position	function
doifempty	function	pure	function
doifnot	function	raw	function
doifnotempty	function	rawroot	function
doifnottext	function	rawtex	function
doiftext	function	refatt	function
element	function	register	function
elements	function	registerentity	function
entities	data table	removesetup	function
filter	function	resetcdata	function
filterlist	function	resetsetups	function
first	function	resolvedentity	function

root	function	startraw	function
save	function	startunescaped	function
serialize	function	stopraw	function
setaction	function	stopunescaped	function
setcdata	function	store	function
setcommandtonone	function	strip	function
setcommandtotext	function	stripped	function
setsetup	function	tag	function
snippet	function	text	function
sorters	table	tobuffer	function
F add		tofile	function
F compare		toparameters	function
F flush		toverbatim	function
F reset		verbatim	function
F show		withindex	function
F sort		xmltexhandler	data table
splitid	function		

math (basic lua)

abs	function
acos	function
asin	function
atan	function
atan2	function
ceil	function
ceiling	function
cos	function
cosd	function
cosh	function
deg	function
div	function
even	function
exp	function
floor	function
fmod	function
frexp	function
huge	number
initialseed	number
ldexp	function
log	function

log10	function
max	function
min	function
mod	function
modf	function
odd	function
pi	number
pow	function
rad	function
random	function
randomseed	function
round	function
setrandomseedi	function
sin	function
sind	function
sinh	function
sqrt	function
tan	function
tand	function
tanh	function

mathematics (context)

addfallbacks	function	makefont	function
alphabets	data table	mapremap	data table
alternatives	data table	overloaddimensions	function
big	function	overloadparameters	function
boldmap	data table	privatebase	number
categories	table	registerdomain	function
D functions		remapalphabets	function
charactersets	data table	renderings	table
checkaccentbaseheight	function	D mappings	
checkprivateparameters	function	D numbers	
classes	data table	D sets	
codes	data table	renderset	function
define	function	resetattributes	function
dimensions	function	resetitalics	function
domains	table	scaleparameters	function
extensiblecode	function	setalternate	function
extensibles	data table	setdomain	function
extrabase	number	setitalics	function
extras	table	sets	data table
F add		styles	data table
F copy		syncboth	function
fallbacks	table	syncname	function
F apply		syncstyle	function
F install		toname	function
fallbackstyleattr	function	tostyle	function
families	data table	tweakaftercopyingfont	function
gaps	data table	tweakbeforecopyingfont	function
getboth	function	tweaks	table
getdomain	function	utfmathaccent	function
getitalics	function	utfmathclass	function
getstyle	function	utfmathcommand	function
horizontalcode	function	utfmathfiller	function
initializeparameters	function	utfmathstretch	function
injectfallbacks	function		

mbox (context)

parse	function	parse_message	function
parse_from	function	split_headers	function
parse_header	function	split_mbox	function
parse_headers	function	split_message	function

md5 (extra lua)

HEX	function	exor	function
crypt	function	hex	function
dec	function	sum	function
decrypt	function	sumhexa	function

metapost (context)

analyzonlugine	function	gottovt	function
analyzeplugins checkformat	function	gettext graphic	function
checktexts	function	graphic_base_pass	function
collapse	boolean	initializescriptrunner	function
colorinitializer	function	instance	function
convert	function	intermediate	table
defaultformat		T actions	table
defaultinstance	string		
defaultmethod	string	F makempy	c+rina
directrun	string function	lastlog load	string function
	function		table
escaped exectime	table	makempy	table
		N nofconverted	
extensiondata	data table function	F processgraphics	
filterclippath	function	F registerfile	£
flush		maketext	function
flushers	table	metafun	table
T pdf		F interpolate	
F comment		F topath	
F flushfigure		method	number
F startfigure		mptopdf	table
F stopfigure		F convertmpstopdf	
F textfigure	£	N nofconverted	
flushliteral	function	n	number
flushnormalpath	function	nvformat	function
flushreset	function	optimize	boolean
fonts	table	parse	function
F define		pdfliterals	function
T flusher		pluginactions	function
F flushfigure		process	function
F startfigure		processplugins	function
F stopfigure		processspecial	function
N instances		properties	table
F process		quickanddirty	function
format	function	reducetogray	boolean
format_number	function	reporterror	function
format_string	function	reset	function
formatnumber	function	resetlastlog	function
getclippath	function	resetplugins	function
getextensions	function	runscript	function
getjobdata	function	scripterror	function
getstatistics	function	setextensions	function

setoutercolor	function	F setfrombuffer	
settext	function	texerrors	boolean
showlog	boolean	textextsdata	function
simple	function	theclippath	function
svformat	function	totable	function
tex	table	unload	function
F get		untagvariable	function
F reset		variables	table

F set

mime (extra lua)

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

mp (context)

BackSpace	function	OverlayDepth	function
BaseLineSkip	function	OverlayHeight	function
BodyFontSize	function	OverlayLineWidth	function
BottomDistance	function	OverlayOffset	function
BottomHeight	function	OverlayWidth	function
BottomSpace	function	PageDepth	function
CurrentColumn	function	PageFraction	function
CurrentHeight	function	PageNumber	function
CurrentWidth	function	PageOffset	function
CutSpace	function	PaperBleed	function
EmWidth	function	PaperHeight	function
ExHeight	function	PaperWidth	function
FooterDistance	function	PrintPaperHeight	function
FooterHeight	function	PrintPaperWidth	function
HSize	function	RealPageNumber	function
HeaderDistance	function	RightEdgeDistance	function
HeaderHeight	function	RightEdgeWidth	function
InPageBody	function	RightMarginDistance	function
InnerEdgeDistance	function	RightMarginWidth	function
InnerEdgeWidth	function	SpineWidth	function
InnerMarginDistance	function	StrutDepth	function
InnerMarginWidth	function	StrutHeight	function
LastPageNumber	function	TextHeight	function
LayoutColumnDistance	function	TextWidth	function
LayoutColumnWidth	function	TopDistance	function
LayoutColumns	function	TopHeight	function
LeftEdgeDistance	function	TopSkip	function
LeftEdgeWidth	function	TopSpace	function
LeftMarginDistance	function	VSize	function
LeftMarginWidth	function	_f_	function
LineHeight	function	boolean	function
MakeupHeight	function	dataset	function
MakeupWidth	function	datasets	table
NOfColumns	function	F load	
NOfPages	function	defaultcolormodel	function
OnOddPage	function	format	function
OnRightPage	function	formatted	function
OuterEdgeDistance	function	get	table
OuterEdgeWidth	function	F boolean	
OuterMarginDistance	function	F number	
OuterMarginWidth	function	F numeric	

F string		quoted	function
get_outline_text	function	report	function
graphformat	function	size	function
n	function	tb_dimensions	function
numeric	function	triplet	function
pair	function	tt_dimensions	function
path	function	tt_initialize	function
print	function		
quadruple	function		

mplib (extra tex)

fields function
finder function
finders table

F file

get_boolean function
get number function

get_numeric function
get_string function

new overloaded function

pen_info function
preprocessed function
version function

noads (context)

handlers	table	F unscript	
F alternates		F variants	
F autofences		process	function
F classes		processnested	function
F collapse		processors	table
F domains		T autofences	
F families		T collapse	
F italics		F mlist_to_hlis	st
F relocate		T relocate	
F render		T render	
F resize		T resize	
F showtree		T unscript	
F tags		processouter	function

node (basic tex)

function copy F insert before function copy list F is char count function F is_direct current attr function F is alvoh dimensions function F is node direct table F is_zero_glue F copy F kerning F copy list F last node F count F length F current attr F ligaturing F dimensions F new F do ligature n F protect_glyph F effective glue F protect glyphs F end_of_math F protrusion skippable F find attribute F remove F first_glyph F set attribute F flush_list F set_properties_mode F flush node F setboth F setbox F flush properties table F free F setchar F get_attribute F setdisc F get properties table F setfield F setalue F getboth F setleader F getbox F getchar F setlink F getdisc F setlist F getfield F setnext F getfont F setprev F getglue F setproperty F getid F setsubtype F getleader F slide F tail F getlist F getnext F todirect F getprev F tonode F getproperty F tostring F getsubtype F traverse F has attribute F traverse char F has_field F traverse id F has_glyph F unprotect_glyphs F hpack F unset attribute F insert_after F usedlist

F vpack		is_zero_glue	function
F write		kerning	function
do_ligature_n	function	last_node	function
effective_glue	function	length	function
end_of_math	function	ligaturing	function
family_font	function	mlist_to_hlist	function
fields	function	new	function
find_attribute	function	next	function
first_glyph	function	prev	function
flush_list	function	protect_glyph	function
flush_node	function	protect_glyphs	function
flush_properties_table	function	protrusion_skippable	function
free	function	remove	function
get_attribute	function	set_attribute	function
get_properties_table	function	set_properties_mode	function
getboth	function	setboth	function
getchar	function	setfield	function
getdisc	function	setglue	function
getfield	function	setlink	function
getfont	function	setnext	function
getglue	function	setprev	function
getid	function	setproperty	function
getleader	function	slide	function
getlist	function	subtype	function
getnext	function	subtypes	function
getprev	function	tail	function
getproperty	function	tostring	function
getsubtype	function	traverse	function
has_attribute	function	traverse_char	function
has_field	function	traverse_id	function
has_glyph	function	type	function
hpack	function	types	function
id	function	unprotect_glyphs	function
insert_after	function	unset_attribute	function
insert_before	function	usedlist	function
is_char	function	vpack	function
is_glyph	function	whatsits	function
is_node	function	write	function

nodes (context)

accentcodes	data table	firstcharinbox	function
aligned	function	firstdirinbox	function
append	function	firstglyph	function
astable	function	flush_list	function
basepoints	function	flush_node	function
boundarycodes	data table	free	function
boxes	table	fullhpack	function
F dimensions		getbox	function
F direct		getchar	function
F reset		getdisc	function
F restore		getfield	function
F save		getfont	function
builders	table	getglue	function
F buildpage_filter		getid	function
F vpack_filter		getleader	function
codes	data table	getlist	function
concat	function	getnext	function
сору	function	getprev	function
copy_list	function	getskip	function
count	function	getsubtype	function
current_attr	function	gluecodes	data table
delete	function	glyphcodes	data table
destinations	table	glyphdir_is_equal	data table
N attribute		glyphdir_is_opposite	data table
T done		glyphdir_is_orthogonal	data table
F handler		handlers	table
T stack		F accessibility	
dimensionfields	data table	F alignbackgrounds	
dimensions	function	F backgrounds	
dir_is_pop	data table	F characters	
dir_negation	data table	F checkforleaks	
disccodes	data table	F checkglyphs	
discretionarycodes	data table	F cleanupbox	
do_ligature_n	function	F cleanuppage	
effective_glue	function	F export	
end_of_math	function	F finalize	
fencecodes	data table	F migrate	
fields	function	F protectglyphs	
fillcodes	data table	F stripping	
first_glyph	function	F unprotectglyphs	

function

firstcharacter

has_attribute function

has_field	function	F define	
has_glyph	function	F enable	
hpack	function	F handler	
idstostring	function	lines	table
ignorablefields	data table	T boxed	
injections	table	F register	
F copy		F setup	
F getligaindex		F stage_one	
F handler		F stage_two	
F installnewkern		D data	
F keepcounts		F finalize	
F reset		F number	
F resetcounts		N scratchbox	
F setcursive		link	function
F setkern		linked	function
F setligaindex		list	function
F setmark		listablefields	data table
F setpair		listcodes	data table
F setspacekerns		listtoutf	function
insert_after	function	load	function
insert_before	function	locate	function
insert_list_after	function	margincodes	data table
installattributehandler	function	marginkerncodes	data table
is_char	function	markers	table
is_direct	function	F get	
is_display_math	function	mathcodes	data table
is_glyph	function	maxboxwidth	function
is_mirrored	data table	mlist_to_hlist	function
is_node	function	new	function
is_nut	function	noadcodes	data table
is_rotated	data table	nodecodes	data table
is_zero_glue	function	nopts	function
ischar	function	nuts	table
isglyph	function	F append	
kerncodes	data table	F concat	
kerning	function	F copy	
keys	table	F copy_list	
T whatsit		F copy_properties	
last_node	function	F copyvisual	
leadercodes	data table	F count	
leftmarginwidth	function	F current_attr	
ligaturing	function	F delete	
linefillers	table	F dimensions	

D data

F do_ligature_n

F effective glue F last node F end_of_math F leftmarginwidth F first_glyph F ligaturing F firstcharacter F link F firstcharinbox F linked F locate F firstqlyph F flush_list F mlist_to_hlist F flush node F nestedtracedslide F free F new F fullhpack T pool F getattr F baselineskip F getattribute F boundary F getboth F cleanup F getbox F disc F getchar F emptyrule F getdisc F fontkern F getfield F glue F getfont F gluespec F getglue F glyph F hlist F getid F getleader F italickern F getlist F kern F getnext F latelua F lateluafunction F getprev F getprop F leftmarginkern F getskip F leftskip F getsubtype F lineskip F has attribute F negatedglue F has field F noad F pdfannotation F has_glyph F hpack F pdfdestination F insert after F pdfdirect F insert before F pdfliteral F insert_list_after F pdfrestore F is_char F pdfsave F is direct F pdfsetmatrix F is_display_math F penalty F is_glyph F register F is_node F rightmarginkern F is_nut F rightskip F is_zero_glue F rule F ischar F shrink F isglyph F special F kerning F stretch

F temp	F setprop	
F textdir	F setsubtype	
F usage	F setunsetattributes	
F userattributes	F setvisual	
T userids	F setvisuals	
N margins.inline	F slide	
N property	F somepenalty	
N splitters.one	F somespace	
N splitters.two	F splitbox	
F userlist	F tail	
F userlua	F takebox	
F usernumber	F takelist	
F userrule	F theprop	
F userstring	F tonode	
F usertokens	F tonodes	
F vlist	F tonut	
F wordboundary	F tosequence	
F zeroglue	F tostring	
F prepend	F tracedslide	
F protect_glyph	F traverse	
F protect_glyphs	F traverse_char	
F protrusion_skippable	F traverse_id	
F rawprop	T typesetters	
F reference	F tohbox	
F rehpack	F tohpack	
F remove	F tonodes	
F repackhlist	F tovbox	
F replace	F tovpack	
F rightmarginwidth	F unprotect_glyphs	
F set_attribute	F unset_attribute	
F setattr	F unsetattribute	
F setattribute	F unsetattributes	
F setattributes	F untracedslide	
F setboth	F usedlist	
F setbox	F vianodes	
F setchar	F vianuts	
F setdisc	F vpack	
F setfield	F write	
F setglue	packlist	function
F setleader	pardir_is_equal	data table
F setlink	pardir_is_opposite	data table
F setlist	pardir_is_parallel	data table
F setnext	partextdir_is_equal	data table
F setprev	penaltycodes	data table

olugindata	table	F delayed	
F finalizer		F fdelayed	
F initializer		F immediate	
S name		F attach	
T namespace		T data	
N attribute		F delayed	
D data		protect_glyph	function
F enable		protect_glyphs	function
F handler		protrusion_skippable	function
F register		pts	function
D registered		radicalcodes	data table
D values		reference	function
F processor		references	table
ooints	function	N attribute	
oool	table	T done	
F baselineskip		F handler	
F cleanup		T stack	
F glyph		rehpack	function
F hlist		remove	function
F kern		repackhlist	function
F latelua		replace	function
F lateluafunction		report	function
F lineskip		rightmarginwidth	function
F pdfdirect		rulecodes	data table
F pdfliteral		rules	table
F pdfrestore		D data	
F pdfsave		F define	
F pdfsetmatrix		F enable	
F register		F handler	
F rule		T ruleactions	
F special		F draw	
F usage		F fill	
F usernumber		F mp	
repend	function	F stroke	
orint	function	F userrule	
processors	table	save	function
B enabled		serialize	function
F hpack_filter		serializebox	function
F post_linebreak_filter		set_attribute	function
F pre_linebreak_filter		setattributes	function
F tracer		setbox	function
processwords	function	setboxtonaturalwd	function
properties	table	setfield	function
T actions		setglue	function

setunsetattributes	function	F table	
shifts	table	textdir_is_equal	data table
D data		textdir_is_is	data table
F define		textdir_is_opposite	data table
F enable		textdir_is_parallel	data table
F handler		tobasepoints	function
show	function	tocentimeters	function
showboxes	function	tociceros	function
showcodes	function	todidots	function
showlist	function	todimen	function
showsimplelist	function	toinches	function
skipcodes	data table	tomillimeters	function
slide	function	tonewciceros	function
snapshots	table	tonewdidots	function
F getparameters		tonode	function
F getsamples		tonodes	function
F resetsamples		tonut	function
F takesample		topicas	function
somepenalty	function	topoints	function
somespace	function	toscaledpoints	function
splitbox	function	tosequence	function
stripdiscretionaries	function	tostring	function
stripping	table	totable	function
T glyphs		totree	function
F set		toutf	function
striprange	function	tracers	table
tail	function	T characters	
takebox	function	F collect	
tasks	table	F equal	
F actions		F start	
F appendaction		F string	
F disableaction		F unicodes	
F disablegroup		T colors	
F enableaction		F reset	
F enablegroup		F set	
F freeze		F setlist	
F freezegroup		F fontchar	
F new		T frequencies	
F prependaction		F register	
F removeaction		T pool	
F replaceaction		T nodes	
F restart		F rule	
F setaction		T nuts	
F showactions		F rule	

F resetproperties		F tonodes	
F rule		F tovbox	
F setlist		F tovpack	
F setproperties		F vpack	
F start		unprotect_glyphs	function
T steppers		unset_attribute	function
F check		unsetattribute	function
F codes		unsetattributes	function
F features		usedlist	function
F font		usercodes	data table
F glyphs		vianodes	function
F message		vianuts	function
F messages		visualizebox	function
F nofsteps		visualizers	table
F register		F box	
F reset		F handler	
F start		F markfonts	
F stop		F setfont	
F stop		F setlayer	
T transparencies		F setvisual	
F reset		vpack	function
F set		whatcodes	data table
F setlist		whatsitcodes	data table
traverse	function	whatsitters	table
traverse_char	function	T getters	
traverse_id	function	T dimensions	
typesetters	table	T width	
F hbox		T setters	
F hpack		T dimensions	
F tohbox		T width	

F tohpack

write

function

number (context)

	function	tobitstring	function
basepoints	function	tocentimeters	function
bit	function	tociceros	function
bits	function	todidots	function
clearbit	function	todimen	function
dimenfactors	data table	toevenhex	function
formatted	function	toinches	function
hasbit	function	tomillimeters	function
maxdimen	number	tonewciceros	function
nopts	function	tonewdidots	function
percent	function	tonumberf	function
points	function	tonumberg	function
pts	function	topicas	function
setbit	function	topoints	function
signed	function	toscaled	function
sparseexponent	function	toscaledpoints	function
splitdimen	function	toset	function
tobasepoints	function	valid	function

objects (context)

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

os (basic lua)

getenv	function	remove	overloaded function
setenv	function	rename	overloaded function
binsuffix	string	resolvers	table
binsuffixes	table	F bits	
clock	function	resultof	function
converttime	function	runtime	function
date	function	selfdir	string
difftime	function	setenv	overloaded function
env	data table	setlocale	overloaded function
exec	overloaded function	sleep	function
execute	overloaded function	spawn	overloaded function
exit	function	time	function
fulltime	function	times	function
getenv	overloaded function	timezone	function
gettimeofday	function	tmpdir	function
isleapyear	function	tmpname	function
launch	function	today	function
libsuffix	string	type	string
localtime	function	uname	function
name	string	uuid	function
newline	string	validdate	function
nofdays	function	weekday	function
now	function	where	function
platform	string	which	function

package (basic lua)

config	string	loaded	table
cpath	string	loaders	table
extralibpath	function	loadlib	function
extralibpaths	function	luapaths	function
extraluapath	function	path	string
extraluapaths	function	preload	table
helpers	table	searchpath	function
libpaths	function	seeall	function

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 table
F flushareas	F flushafter
F flushcolumn	F flushbefore
F flushrest	F save
F goto	mixedcolumns table
F noto	F cleanup
F prepareflush	F finalize
F put	F getlist
F registerarea	F getrest
F reset	F getsplit
F setarea	F setsplit

pdf (basic tex)

fontnama	function	immodiatochi	function
fontname	function function	immediateobj	function function
fontobjnum fontsize	function	mapfile mapline	function
	function	maxobjnum	function
getcatalog	function	maxobjnum newcolorstack	function
getcompresslevel			
getdecimaldigits	function	obj	function function
getdestmargin	function	objtype	
gethpos	function	pageref	function
getignoreunknownimages	function	print	function
getimageresolution	function	refobj	function
getinclusionerrorlevel	function	registerannot	overloaded function
getinfo	function	reserveobj	function
getlastannot	function	setcatalog	overloaded function
getlastlink	function	setcompresslevel	function
getlastobj	function	setdecimaldigits	function
getlinkmargin	function	setdestmargin	function
getmajorversion	function	setignoreunknownimages	function
getmatrix	function	setimageresolution	function
getminorversion	function	setinclusionerrorlevel	function
getnames	function	setinfo	overloaded function
getobjcompresslevel	function	setlinkmargin	function
getorigin	function	setmajorversion	function
getpageattributes	function	setminorversion	function
getpageresources	function	setnames	overloaded function
getpagesattributes	function	setobjcompresslevel	function
getpkresolution	function	setorigin	function
getpos	function	setpageattributes	overloaded function
getretval	function	setpageresources	overloaded function
getsuppressoptionalinfo	function	setpagesattributes	overloaded function
getthreadmargin	function	setpkresolution	function
gettrailer	function	setsuppressoptionalinfo	function
gettrailerid	function	setthreadmargin	function
getversion	function	settrailer	overloaded function
getvpos	function	settrailerid	function
getxformattributes	function	setxformattributes	function
getxformmargin	function	setxformmargin	function
getxformresources	function	setxformresources	function
hasmatrix	function	xformname	function

pdfscanner (context)

scan function

physics (context)

units table

D tables

F registerunit

profiler (extra lua)

publications (context)

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

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

F fetchentries		okay	function
F filterall		oneorrange	function
F flushcombi		parenttag	function
F flushentry		permitted	function
T methods		refman_to_btx	function
F dataset		resolvedname	function
F force		save	function
F global		search	function
F local		setcategory	function
F nofregistered		setspecification	function
F prepareentries		singularorplural	function
F register		sortedentries	function
F sameasprevious		sortmethods	table
T sorters		T authoryear	
F cite		T sequence	
F dataset		specifications	table
F default		T default	
F index		S author	
F list		S comment	
F reference		S copyright	
F short		S name	
F used		S version	
F uservariable		D virtual	
listvariants	table	splitauthor	function
F default		splitoneauthor	function
F default F index		splitoneauthor statistics	function table
Findex		statistics	
F index		statistics N nofbytes	
F index F num F page F short F tag		Statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts	table
F index F num F page F short F tag load	function	statistics N nofbytes N nofdatasets N nofdefinitions	
F index F num F page F short F tag load	function	Statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts	table
Findex F num F page F short F tag load loadbibdata loaddefinitionfile	function function	statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables	table
F index F num F page F short F tag load	function	statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits	table
Findex F num F page F short F tag load loadbibdata loaddefinitionfile	function function	statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins	table
F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders	function function	statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates	table
F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl	function function	statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets	table
F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib	function function	N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials	table
Findex F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer F endnote F lua	function function	statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals tags	table table
Findex F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer F endnote	function function	N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals	table
Findex F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer F endnote F lua F refman F registercleaner	function function	N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals tags tracers F showdatasetauthors	table table function table
Findex F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer F endnote F lua F refman F registercleaner F xml	function function table	N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals tags tracers F showdatasetauthors F showdatasetcompleter	table table function table
Findex F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer F endnote F lua F refman F registercleaner	function function	N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals tags tracers F showdatasetauthors	table table function table

F showfields

F showhashedauthors

F showtables

F showvariants

typesetters

F author F string table

F range

usedataset

usedentries

F author

F keyword F pagenumber

writers

function function table

regimes (context)

cleanup	function	process	function
disable	function	push	function
enable	function	toregime	function
fromregime	function	translate	function
рор	function		

resolvers (context)

allprefixes	function	findtexfile	function
appendhash	function	findwildcardfile	function
automount	function	findwildcardfiles	function
automounted	table	formatofsuffix	function
booleanvariable	function	formatofvariable	function
cacheversion	string	formats	data table
checkedvariable	function	generators	data table
cleanedpathlist	function	get_from_content	function
cleanpath	function	getenv	function
cleanpathlist	function	getownpath	function
concatinators	data table	getreadfilename	function
configbanner	string	hashers	data table
criticalvars	data table	homedir	string
dangerous	data table	inputstack	table
datastate	function	installinputfilehandler	function
defaultsuffixes	table	installinputlinehandler	function
dowithfilesandreport	function	instance	table
dowithfilesintree	function	D data	
dowithpath	function	B diskcache	
dowithvariable	function	D environment	
env	function	D expansions	
executers	table	D fakepaths	
expandbraces	function	D files	
expandedpathfromlist	function	B force_suffixes	
expandedpathlist	function	D found	
${\it expanded path list from variable}$	function	D foundintrees	
expandpath	function	D hashed	
expandpathfromvariable	function	D hashes	
expansion	function	D lists	
extendtexmfvariable	function	B loaderror	
filtered_from_content	function	D order	
find_file	function	D pathlists	
find_files	function	T pathstack	
findbinfile	function	B remember	
findctxfile	function	B renewcache	
finders	data table	B renewtree	
findfile	function	B savelists	
findfiles	function	D setups	
findgivenfile	function	D specification	
findgivenfiles	function	D variables	
findpath	function	jobpath	function

F currentcomponent F currentproduct F currentproject F currentproject F justacomponent F currentproject F justacomponent F currentproject F justacomponent F productromponent F productromponent F productromponent F productromponent F usefile Joinpath Load	jobs	table	registerextrapath	function
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F currentproject F justacomponent D processors F productcomponent F usefile Joinpath Load Load Load F function Loadbinfile Loadlualib Loadtrie Loadtualib Loadtrie Lo	F currentproduct			function
F justacomponent D processors Productcomponent F usefile F usefile F unction F usefile F unction F usefile F unction I coad F unction I reset function I reset function I resetment functio	F currentproject			function
D processors F productcomponent F usefile F us			_	function
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<pre>pushpath function unexpandedpathlist function</pre>	·		• •	
	pushpath	function	unexpandedpathlist	function

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

sandbox (context)

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

scripts (context)

autofontfeature table

F disable

F enable

F handler

N inter_char_half_shrink_factor

N inter_char_half_stretch_factor
N inter_char_hangul_penalty

N inter_char_quarter_shrink_factor

N inter_char_quarter_stretch_factor

N inter_char_shrink_factor

N inter_char_stretch_factor

N inter_word_stretch_factor

handlers data table table hash iniectors data table installdataset function installmethod function numbertocategory data table numbertodataset data table numbertohandler data table reset function function set data table splitters

set (context)

contains function
create function
tolist function

tonumber function
totable function

socket (extra lua)

BLOCKSIZE number S connection boolean DEBUG S content-description SETSIZE number S content-disposition bind function S content-encoding function choose S content-id function connect S content-language connect4 function S content-length function connect6 S content-location dns table S content-md5 F getaddrinfo S content-range F gethostname S content-transfer-encoding F getnameinfo S content-type F tohostname S date F toip S diagnostic-code ftp table S dsn-gateway S PASSWORD S etag N PORT S expect N TIMEOUT S expires S USER S final-log-id F command S final-recipient F get S from F open S host F put S if-match gettime function S if-modified-since headers table S if-none-match T canonic S if-range S accept S if-unmodified-since S accept-charset S in-reply-to S accept-encoding S keywords S accept-language S last-attempt-date S accept-ranges S last-modified S action S location S max-forwards S age S allow S message-id S alternate-recipient S mime-version S arrival-date S original-envelope-id S authorization S original-recipient S bcc S pragma S cache-control S proxy-authenticate Scc S proxy-authorization S comments S range

S received	protect	function
S received-from-mta	select	function
S references	sink	function
S referer	sinkt	table
S remote-mta	F close-	when-done
S reply-to	F defaul	t
S reporting-mta	F http-c	hunked
S resent-bcc	F keep-o	pen
S resent-cc	skip	function
S resent-date	sleep	function
S resent-from	smtp	table
S resent-message-id	S DOMAIN	
S resent-reply-to	N PORT	
S resent-sender	S SERVER	
S resent-to	N TIMEOU	Т
S retry-after	S ZONE	
S return-path	F messag	e
S sender	F open	
S server	F send	
S smtp-remote-recipient	source	function
S status	sourcet	table
S subject	F by-len	gth
S te	F defaul	t
S to	F http-c	hunked
S trailer	F until-	
S transfer-encoding	tcp	function
S upgrade	tcp6	function
S user-agent	tp	table
S vary	N TIMEOU	Т
S via	F connec	
S warning	try	function
S will-retry-until	udp	function
S www-authenticate	udp6	function
S x-mailer	url	table
http table	F absolu	te
N PORT	F build	
N TIMEOUT	F build_	path
S USERAGENT	F escape	
F open	F parse	
Frequest	F parse_	
newtry function	F unesca	pe

sorters (context)

basicsorter function
comparers table
 F basic
constants table
 S defaultdigits
 S defaultlanguage
 S defaultmethod
 N digitsmaximum

N ignoredoffset
N replacementoffset
T validmethods

N digitsoffset

B ch
B mc
B mm
B pc

B pm
B uc
B zc
B zm

definitions data table firstofsplit function packch function packuc function setlanguage sort function splitters table

F utf

strip function
tracers data table
update function

statistics (context)

checkfmtstatus	function	resettiming	function
elapsed	function	runtime	function
elapsedindeed	function	savefmtstatus	function
elapsedseconds	function	show	function
elapsedtime	function	starttiming	function
enable	boolean	stoptiming	function
formatruntime	function	threshold	number
hastiming	function	timed	function
memused	function	tracefunction	function
register	function		

status (basic tex)

list function
resetmessages function

storage (context)

allocate	function
data	table
mark	function
marked	function
max	number
min	number
nofmodules	number

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

streams (context)

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

string (basic lua)

autodouble	function	optionalquoted	function
autosingle	function	quote	function
booleanstring	function	quoted	function
byte	function	rep	function
bytepairs	function	replacenewlines	function
bytes	function	reverse	function
char	function	split	function
characterpairs	function	splitlines	function
characters	function	splitup	function
checkedsplit	function	strip	function
collapsespaces	function	sub	function
count	function	tformat	function
dump	function	toHEX	function
escapedpattern	function	toboolean	function
explode	function	tobytes	function
find	function	tocontext	function
format	function	todec	function
formatter	function	todimen	function
formatters	function	tohex	function
fullstrip	function	tonodes	function
gmatch	function	topattern	function
gsub	function	totable	function
is_boolean	function	toutf	function
is_empty	function	tracedchar	function
itself	function	tracedchars	table
len	function	unquote	function
limit	function	unquoted	function
longtostring	function	upper	function
lower	function	utfcharacters	function
match	function	utfvalues	function
nspaces	table	valid	function

structures (context)

atlocation	function	F previous	
blocks	table	F raw	
D collected		F record	
F define		F reset	
F print		F restart	
F save		F restore	
F select		F save	
F setstate		F set	
D states		F setlevel	
D tobesaved		F setoffset	
bookmarks	table	F setown	
T extras		F setstate	
F get		F setvalue	
F mergesections		T specials	
F register		F userpage	
F reset		F subs	
F tosections		D tobesaved	
F finalize		F value	
F flatten		F way	
F installhandler		currentsectionnumber	function
F merge		descriptions	table
S method		documents	table
F overload		D data	
F place		F initialize	
F register		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 last		F title	
F next		F touserdata	
F prev		inserts	table

D data		F savedlistnumber
F define		F savedlistprefixednumber
F getdata		F savedlisttitle
F getlocation		D sectionblocks
F getname		F sectionnumber
F getnumber		F size
F setlocation		F title
F setup		D tobesaved
D stored		F userdata
itemgroups	table	F uservalue
lists	table	marks table
F addto		D data
F analyze		F define
B autoreorder		F exists
D cached		F fetch
D collected		F fetchallmarks
F discard		F fetched
F enhance		F fetchonemark
T enhancers		F fetchtwomarks
F filter		F get
F formulanumber		F number
F getresult		F relate
F groupindex		F reset
F hasnumberdata		F set
F haspagedata		F show
F hastitledata		F synchronize
F iscached		F title
D kinds		T tracers
F label		F showtable
F location		notes table
D names		F checkpagechange
F number		F define
D ordered		F doifonsamepageasprevious
F page		F get
F popnesting		F getdeltapage
F prefix		F getinternal
F prefixednumber		F getn
F prefixedpage		F getstate
F process		F hascontent
D pushed		F internal
F pushnesting		F internalid
F realpage		F listindex
F reordered		F ordered
T result		F postpone

F resetpostponed		D flaginternals
F restore		F from
F save		D functions
F setstate		F get
D states		F getcurrentmetadata
F store		F getcurrentprefixspec
pages	table	F getinnermethod
F analyze		F getinternalcachedlistreference
D collected		F getinternallistreference
F in_body		F getinternalreference
F is_odd		D handlers
N nofpages		F identify
F number		F import
F on_right		F inject
F save		F injectcurrentset
D tobesaved		S innermethod
references	table	D internals
F analyze		F load
F checkedfile		F loadpresets
F checkedfileorurl		F mark
F checkedprogram		D pages
F checkedrealpage		U prefixsplitter
F checkedurl		D productdata
D collected		T programs
U componentsplitter		T data
F currentmetadata		F define
F currentorder		F get
D currentset		F realpageofpage
F define		U referencesplitter
D defined		D referred
D derived		F referredpage
F enableinteraction		F registerfinalizer
F enhance		F registerinitializer
D executers		F registerpage
F expandcurrent		F reportproblems
F export		F reset
T files		D runners
T data		F set
F define		F setandgetattribute
F found		F setcomponent
F get		F setinnermethod
F filter		F setinternalreference
F filterdefault		F setnextinternal
D filters		F setnextorder

F setreferencerealpage		F	process	
D specials			setmethod	
F splitcomponent			sort	
F splitprefix		F	store	
F splitreference		D	tobesaved	
F synchronizepage		F	unique	
T testrunners		F	userdata	
Finner		sect	ions	table
F special		F	autodepth	
F special operation		F	cct	
F special operation wi	th arguments	D	collected	
T testspecials		F	current	
F deltapage		F	currentblock	
Fi		F	currentid	
F internal		F	currentlevel	
F page		F	currentsectionindex	
F realpage		F	depthnumber	
F section		F	finddata	
F userpage		F	findnumber	
D tobereferred		F	fullnumber	
D tobesaved		F	getcurrentlevel	
D tracedpages		F	getlevel	
T urls			getnumber	
T data		F	internalreference	
F define			levelmap	
F found			levels	
F get			load	
D usedinternals			matchingtilldepth	
D usedviews			numberatdepth	
F valid	+ah] a		numbers	
registers	table		popblock	
F analyze			prefixedconverted	
D collected			pushblock	
F compare F define			register registered	
F enhance			reportstructure	
F extend		_	•	
F filter			save sectionblockdata	
F filtercollected		·	T bodypart	
F finalize			S bookmark	
F findinternal		F	set	
F flush			setblock	
F get			setchecker	
F prepare			setentry	
• •		•	•	

F setinitialblock F elementtag F setlevel F finishexport F setnumber F getid F structuredata F handler F title D labels D tobesaved F last F typesetnumber F lastinchain F userdata F locatedtag B verbose T patterns sets table U splitter F define D properties F aet F registermetadata F getall F restart D setlist F setaspect specials table F setattributehash D collected F setcombination F retrieve F setfigure F store F sethighlight D tobesaved F setitem synonyms table F setitemgroup F analyzed F setlist D collected F setnotation F compare F setnotationsymbol F define F setproperty F filter F setregister F finalize F setsorting F flush F setsynonym F isshown F settablecell F isused F settabulatecell F meaning F settagdelimitedsymbol F prepare F settagsubsentencesymbol F process F setupexport F register F setuserproperties F registershown D specifications F registerused F start F resetshown F stop F resetused F strip F sort D taglist F synonym T usewithcare D tobesaved T images tags table

table (basic lua)

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

tex (basic tex)

			6	
attribute	table	gettoks	function	
badness	function	getuccode	function	
box	table	glue	table	
catcode	table	hashtokens	function	
conditionals	data table	ifs	data table	
constants	data table	inicatcodes	number	
count	table	init_rand	function	
cprint	function	isattribute	function	
ctdcatcodes	number	isbox	function	
ctxcatcodes	number	iscount	overloaded function	
definefont	function	isdefined	function	
delcode	table	isdimen	overloaded function	
dimen	table	ismuskip	overloaded function	
directives	data table	isskip	overloaded function	
enableprimitives	function	istoken	function	
error	function	istoks	function	
extraprimitives	function	lccode	table	
finish	function	linebreak	function	
fontidentifier	function	lists	table	
fontname	function	lua_math_random	function	
fprint	function	lua_math_randomseed	function	
get	function	luacatcodes	number	
getattribute	function	mathcode	table	
getbox	function	modes	data table	
getboxresourcedimensions	function	muglue	table	
getcatcode	function	muskip	table	
getcount	function	nest	table	
getdelcode	function	nilcatcodes	number	
getdelcodes	function	normal_rand	function	
getdimen	function	notcatcodes	number	
getglue	function	number	function	
getlccode	function	primitives	function	
getlist	function	print	function	
getmath	function	prtcatcodes	number	
getmathcode	function	resetparagraph	function	
getmathcodes	function	romannumeral	function	
getmuglue	function	round	function	
getmuskip	function	run	function	
getnest	function	saveboxresource	function	
getsfcode	function	scale	function	
getskip	function	scantoks	function	

set	function	skip	table
setattribute	function	sp	function
setbox	function	splitbox	function
setcatcode	function	sprint	function
setcount	function	systemmodes	data table
setdelcode	function	takebox	function
setdimen	function	texcatcodes	number
setglue	function	toks	table
setlccode	function	tpacatcodes	number
setlist	function	tpbcatcodes	number
setmath	function	tprint	function
setmathcode	function	trackers	data table
setmuglue	function	triggerbuildpage	function
setmuskip	function	txtcatcodes	number
setnest	function	type	function
setsfcode	function	uccode	table
setskip	function	uniform_rand	function
settoks	function	uniformdeviate	function
setuccode	function	uprint	function
sfcode	table	useboxresource	function
shipout	function	vrbcatcodes	number
show context	function	write	function
_			

texconfig (basic tex)

kpse_init boolean
max in open number

max_print_line number
max_strings number
nest_size number
param_size number
save_size number
shell_escape string

texio (basic tex)

setescape function
write function

write_nl function

tokens (context)

astable	function	defined	function
bgroup	userdata	egroup	userdata
bits	table	getters	table
N active		F box	
N alignmen	t	F count	
N begingro	up	F dimen	
N characte	r	F glue	
N close		F skip	
N comment		F token	
N endgroup		hbox	userdata
N endoflin	e	istoken	function
N escape		letter	function
N ignore		letters	function
N invalid		other	function
N letter		pickup	function
N mathshif	t	printlist	function
N open		scanners	table
N other		F boolean	
N paramete	r	F code	
N space		F condition	nal
N subscrip	t	F count	
N superscr	ipt	F csname	
N whitespa	ce	F dimen	
collectors	table	F dimensio	n
T data		F glue	
F defaultw	ords	F integer	
F dowithwo	rds	F keyword	
F flush		F list	
F install		F lxmlid	
F register		F number	
T register	ed	F scanclos	е
F show		F scanoper	
F test		F skip	
compile	function	F string	
constant	function	F token	
converters	table	F tokens	
S toboolea	n	F toks	
S todimen		F word	
S toglue		scantable	function
S tonumber		setters	table
S tostring		F box	

F conditional F count F dimen F count F glue F csname F dimen F macro F skip F dimension shortcuts table F glue T bits F integer N active F kevword F list N alignment N begingroup F lxmlid F number N character F scanclose N close N comment F scanopen N endgroup F skip N endofline F string N escape F token N ignore F tokens N invalid F toks N letter F word N mathshift F scannumber N open F scanopen N other F scanstring N parameter F scanword N space F toboolean N subscript F todimen N superscript T tokens N whitespace F astable N close U bgroup F inspect T collectors F defaultwords N open F dowithwords F report F scanboolean F flush F scanclose F install F scancode F register F scanconditional F show F scancsname F test F scandimen F compile F scandimension F constant F scaninteger T converters F scankeyword S toboolean F scanlist S todimen T scanners S toglue F boolean S tonumber F code S tostring

F defined N open U egroup F report T getters F scanboolean F box F scanclose F count F scancode F dimen F scanconditional F glue F scancsname F skip F scandimen F token F scandimension U hbox F scaninteger F istoken F scankeyword F letter F scanlist F letters F scannumber F other F scanopen F pickup F scanstring F printlist F scanword F scantable F toboolean T setters F todimen F box F tonumber F count F tostring F dimen U vbox F glue U vtop F macro F tonumber F skip F tostring T shortcuts vbox userdata N close vtop userdata

F inspect

tracers (context)

count function
cs function
dimen function
knownlist function
lists table

T context

T internals
T scratch

name function

primitive function
printerror function
printwarning function
showlines function
strings table

S undefined

toks function
type function

trackers (context)

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

typesetters (context)

-14	4-11-		
alignments	table	T handlers	
F handler		F installhandler	
F set	+-h1-	F processmath	
breakpoints	table	F set	
F define		F setcolor	
F handler		F setmath	
D mapping		F tomode	4-61-
T methods		firstlines	table
T numbers		T actions	
F set		F default	
F setreplacement		F line	
cases	table	F word	
T actions		F handler	
F handler		F set	
F register		initials	table
F set		T actions	
characteralign	table	F default	
F handler		F addanchortolin	e
F resetcharacter		F addtoline	
F setcharacteral		F calculatedelta	
characters	table	F checkline	
F handler		F handler	
T methods		F moveinline	
F replacenbsp		F normalize	
F replacenbspace	s	F set	
checkers	table	injectors	table
F handler		F check	
F reset		T list	
F set		F mark	
cleaners	table	F reset	
F handler		F set	
F set		F show	
digits	table	italics	table
T actions		F enablemath	
F handler		F enabletext	
F set		F forcevariant	
directions	table	F handler	
F getfences		F reset	
F getglobal		F set	
F getmethod		kerns	table
F handler		D factors	

F handler		F register	
F keepligature		F reset	
B keeptogether		F split	
D mapping		F startapply	
F set		F stopapply	
manipulators	table	F stripped	
F apply		F tostring	
F applyspecific	ation	showsuspects	function
T methods		spacings	table
F Word		F define	
F Words		F handler	
F abbreviated	journal	D mapping	
F expandedjou	rnal	T numbers	
F lowercase		T frenchpunc	tuation
F stripperiod		T characte	rs
F uppercase		S name	
T patterns		N number	
U list		F reset	
U pair		F set	
F splitspecific	ation	F setup	
margins	table	wrappers	table
F finalhandler		F handler	
F globalhandler	-	xtables	table
F localhandler		F cleanup	
F save		F construct	
marksuspects	function	F create	
paragraphs	table	F finish_row	
F addanchortoli	ne	F flush	
F addtoline		F initialize_c	
F calculatedelta		F initialize_reflow_height	
F checkline		F initialize_r	eflow_width
F handler		F next_row	
F moveinline		F reflow_heigh	
F normalize		F reflow_width	
F set		F set_construc	:t
processors			
F apply	table	F set_reflow_h F set_reflow_w	

unicode (extra lua)

ascii			len
	byte		lower
	char		match
	dump		rep
	find		reverse
	format		sub
	gfind		upper
	gmatch	utf8	
	gsub		byte
	len		char
	lower		characters
	natch		chrlen
	rep		count
	reverse		dump
	sub		filetype
	upper		find
graph			format
	oyte		gfind
	char		gmatch
	dump		gsub
	find	F	is_valid
	format		len
F	gfind	F	length
F	gmatch	F	lower
	gsub		magic
F	len	F	match
	lower		remapper
F	match	F	rep
F	rep	F	replacer
F	reverse	F	reverse
F	sub	F	split
	upper		splitlines
latir	1 table	F	sub
F	byte	F	subtituter
F	char	F	tocodes
	dump		toeight
	find		toentities
	format		tostring
F	gfind	F	totable
F	gmatch	F	upper
F	gsub	F	ustring

F utf16_to_utf8_be
F utf16_to_utf8_be_t
F utf16_to_utf8_le
F utf16_to_utf8_le_t
F utf16_to_utf8_t
F utf32_to_utf8_be
F utf32_to_utf8_be_t
F utf32_to_utf8_le
F utf32_to_utf8_le_t

F	utf32_to_utf8_t
F	utf8_to_utf16
F	utf8_to_utf16_b
F	utf8_to_utf16_le
F	utf8_to_utf8_t
F	values
F	xstring

url (context)

addscheme	function
barepath	function
construct	function
escape	function
filename	function
hashed	function

hasscheme	function
query	function
split	function
toquery	function
unescapeget	function

utilities (context)

		_	
debugger	table	lua	table
F disable			aysstripcode
F enable		F com	•
F savestats			dedluacode
F showstats			dstripped
F showtraceback	+-h1 -		strippedbytes
files	table		strippedchunks
F close			ipcode
F getposition			ippedchunks
F look			ippedloadstring
F open		T suf	
F read2dot14		S lı	
F readbyte		S lı	
F readbytes		S lı	
F readcardinal		S lı	
F readcardinal1		S lı	
F readcardinal2		S tn	-
F readcardinal3		S tn	
F readcardinal4		S tı	ıa
F readchar		S tı	1C
		_	
F readfixed4		packers	
F readinteger		F has	table
		•	table
F readinteger		F has	table
F readinteger F readintegerl		F has F new F pac	table
F readinteger F readinteger1 F readinteger2		F has F new F pac	table hed k plehashed
F readinteger F readintegerl F readinteger2 F readinteger3		F hasi F new F pack F sim F str	table hed k plehashed ip
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4		F has F new F pac F sim F str	table hed k plehashed ip ack
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring		F hasi F new F pack F sim F str	table hed k plehashed ip ack sion
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag		F hash F new F pac F sim F str. F unp N vers parsers	table hed k plehashed ip ack sion
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition		F hasi F new F paci F sim F str. F unp N ver: parsers F add	table hed k plehashed ip ack sion table
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition F size		F hasi F new F paci F sim F str. F unp. N ver: parsers F add F arg	table hed k plehashed ip ack sion table _settings_to_array
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition F size F skip F skiplong F skipshort		F hasi F new F paci F sim F str. F unp N ver: parsers F add F arg	table hed k plehashed ip ack sion table _settings_to_array uments_to_table
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition F size F skip F skiplong	table	F hasi F new F paci F sim F str. F unp N ver: parsers F add F arg F str. F csv.	table hed k plehashed ip ack sion table _settings_to_array uments_to_table ay_to_string
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition F size F skip F skiplong F skipshort	table	F hash F new F pac F sim F str. F unp N ver parsers F add F arg F arr F csv. F get	table hed k plehashed iip ack sion table _settings_to_array uments_to_table ay_to_string splitter
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition F size F skip F skiplong F skipshort formatters	table	F hash F new F pace F sim F str. F unp N vers parsers F add F arg F arr. F csv. F get F gro	table hed k plehashed ip ack sion c table _settings_to_array uments_to_table ay_to_string splitter parameters
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition F size F skip F skiplong F skipshort formatters F formatcolumns F list F stripzeros		F hash F new F pace F sim F str. F unp N vers parsers F add F arg F arr. F csv. F get F gro	table hed k plehashed ip ack sion table _settings_to_array uments_to_table ay_to_string splitter parameters upedsplitat h_to_string
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition F size F skip F skiplong F skipshort formatters F formatcolumns F list		F hasi F new F paci F sim F str. F unp N ver: parsers F add F arg F arr F csv F get F gro F hasi T hasi	table hed k plehashed ip ack sion table _settings_to_array uments_to_table ay_to_string splitter parameters upedsplitat h_to_string
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition F size F skip F skiplong F skipshort formatters F formatcolumns F list F stripzeros		F hasi F new F paci F sim F str. F unp N ver: parsers F add F arg F arr F csv. F get F gro F hasi T se	table hed k plehashed ip ack sion table _settings_to_array uments_to_table ay_to_string splitter parameters upedsplitat h_to_string hes
F readinteger F readinteger1 F readinteger2 F readinteger3 F readinteger4 F readstring F readtag F setposition F size F skip F skiplong F skipshort formatters F formatcolumns F list F stripzeros garbagecollector		F hash F new F pace F sim F str. F unp N vers Parsers F add F arg F arr F csv. F get F gro F hash T se	table hed k plehashed ip ack sion table _settings_to_array uments_to_table ay_to_string splitter parameters upedsplitat h_to_string hes ettings_to_set

B fit		F disableaction	
B max		F disablegroup	
T text,hidde	n,paper,page,leftpage,rightpage	F enableaction	
B hidden		F enablegroup	
B leftpage		D functions	
B page		F localize	
B paper		F new	
B rightpage	a	F nodeprocessor	
B text		F prependaction	
F iterator		F prependgroup	
F keq_to_hash		F removeaction	
F listitem		F replaceaction	
F make_settings_	_to_hash_pattern	F setkind	
F mergehashes		F tostring	
F options_to_ar	ray	setters	table
F options_to_has	sh	F disable	
T patterns		F enable	
U settings_to_	array	F initialize	
U settings_to_	hash_a	F list	
U settings_to_	hash_b	F new	
U settings_to_	hash_c	F register	
U unittotex		F report	
F process_stripped_settings		F reset	
F rfc4180splitte	er	F show	
F runtime		stacker	table
F settings_to_a	rray	F new	
F settings_to_a	rray_obey_fences	storage	table
F settings_to_a	rray_with_repeat	F allocate	
F settings_to_ha	ash	F checked	
F settings_to_ha	ash_strict	F mark	
F settings_to_ha	ash_tolerant	F marked	
F settings_to_se	et	F setinitializer	
F simple_hash_to	o_string	F sparse	
F splitmethod		streams	table
F splitthousands	5	F close	
F stepper		F getposition	
F stripped_sett:	ings_to_array	F look	
F unittotex		F open	
F unittoxml		F read2dot14	
report	function	F readbyte	
sequencers	table	F readbytes	
F appendaction		F readcardinal	
F appendgroup		F readcardinal1	
F compile		F readcardinal2	

F readcardinal3 F readcardinal4 F readchar F readfixed4 F readinteger F readinteger1 F readinteger2 F readinteger4 F readstring F setposition F size F skip F skipbytes F skiplong F skipshort strings table F collapsecrlf T formatters F add

F new F newrepeater

F nice

T striplinepatterns

U collapse

U prune

U prune and collapse U prune and no empty U retain U retain and collapse U retain and no empty F striplines F striplong F tabtospace T tracers tables table F accesstable F definedtable F definetable F encapsulate F insertaftervalue F insertbeforevalue F migratetable

templates table

F load
F replace
F replacer
F resolve

F removevalue

F replacevalue

vf (context)

char	function
down	function
fontid	function
image	function
node	function
nop	function

pop function
push function
right function
rule function
special function

visualizers (context)

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

xml (context)

addontitiondontyno	function	D1:1	
addentitiesdoctype	function	D parsedxml	
addspecialcode after	function	D string D tex	
all	function	D tex	
	function		
applylpath assign	function	D texspace	
assign attribute	function	D verbose	string
badinclusions	function	defaultprotocol delete	string function
before	function		function
	function	delete_element each	function
body			
builtinentities	table	each_element	function
B amp		elements	function
B apos		elementtocdata	function
B gt		empty	function
B lt		entities	data table
B quot		erase	function
cdata	function	errorhandler	function
cdatatotext	function	escaped	function
checkbom 	function	expressions	table
checkerror	function	F boolean	
checknamespace 	function	F child	
checkns	function	F contains	
cleansed	function	F count	
collect	function	F error	
collect_elements	function	F find	
collect_tags	function	F idstring	
collect_texts	function	F lower	
collected	function	F name	
collecttexts	function	F number	
content	function	F oneof	
convert	function	F print	
сору	function	F quit	
count	function	F tag	
cprint	function	F text	
CSS	table	F undefined	
F colorspecification		F upper	
F dimension		fillin	function
F fontspecification		filter	function
F padding		finalizers	table
defaulthandlers	table	F paragraphs	
D file		T tex	

F	all	F match	
	attribute	F name	
	chainattribute	F position	
	chainpath	F reverse	
	command	F table	
-	concat	F tag	
	concatrange	F tags	
	context	F text	
	count	F texts	
	ctxtext	F upperall	
	default	first	function
F	first	found	function
F	function	functions	table
F	index	getbuffer	function
F	last	gethandlers	function
F	lettered	gethandlersfunction	function
	lower	helpers	table
	lowerall	F recursetext	
	match	include	function
F	name	inclusion	function
F	position	inclusions	function
	reverse	index	function
F	stripped	inheritedconvert	function
F	tag	inject	function
F	tags	inject_element	function
F	text	<pre>inject_element_after</pre>	function
F	upper	<pre>inject_element_before</pre>	function
F	upperall	injectafter	function
T x	ml	injectbefore	function
F	all	insert	function
F	att	insert_element	function
F	attribute	<pre>insert_element_after</pre>	function
F	attributes	<pre>insert_element_before</pre>	function
F	cdata	insertafter	function
F	chainattribute	insertbefore	function
F	count	insertcdata	function
F	default	insertcomment	function
F	elements	inspect	function
F	empty	is_valid	function
F	first	kind	function
F	function	last	function
F	index	lastmatch	function
F	last	load	function
F	lowerall	lpath	function

lpathcached	function	selection	function
lpathcalls	function	separate	function
lshow	function	serialize	function
makestandalone	function	setcdata	function
match	function	setcomment	function
name	function	sethandlersfunction	function
newhandlers	function	setinjectors	function
nodesettostring	function	setproperty	function
originalload	function	settings	function
package	function	specialcodes	table
parent	function	S "	table
parsedentitylpeg	userdata	s s #	
pihandlers	table		
•	table	S \$	
F injector placeholders	table	S % S &	
•	table	5 α 5 '	
F unknown_any_entity		S <	
F unknown_dec_entity			
F unknown_hex_entity position	function	S >	
privatecodes	table	s {	
privatetoken	function	•	
•	function	S	
process	function	S }	
<pre>process_attributes process_elements</pre>	function	s ~ specialhandler	table
processattributes	function	•	function
profiled	table	sprint string	function
•	function		function
raw	function	strip	function
registerentity registerns	function	strip_whitespace stripelement	function
reindex	function	stripleadingspaces	function
	function	table	function
remap_name	function	text	function
remap_namespace	function	textonly	function
remap_tag	function	texttocdata	function
remapname	function	tocdata	function
remaphamespace	function	toelement	function
remaptag	function	tostring	function
renamespace reparsedentitylpeg	userdata	totable	function
replace	function	toxable	function
-	function		function
replace_element	function	tprint	function
resetinjectors resolvens	function	traverse	function
	function	unescaped unescapedentitylpeg	userdata
root			
save	function	unprivatized	function

unspecialized	function	wrap	function
withelement	function	xmlns	table
withelements	function		

zip (extra lua)

archivestableopenarchivefunctionclosefunctionopenfilefunctionclosearchivefunctionregisteredfilestableopenoverloaded functiontypefunction

zlib (extra lua)

adler32 function
compress function
compressobj function
crc32 function

decompress function
decompressobj function
version function