

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

ConT_EXt MkIV

global (alias: _G)

MP	table	environment	table
_LUAVERSION	number	epdf	table
_MAJORVERSION	number	error	function
_MINORVERSION	number	experiments	table
cldo	function	figures	table
arg	table	file	table
assert	function	floats	table
attributes	table	font	table
backends	table	fontloader	table
beginpage	function	fonts	table
bit	table	format_n	function
bit32	table	frozen	boolean
blobs	table	functions	table
boolean	table	gcinfo	function
border_set	boolean	getfenv	function
buffers	table	getmetatable	function
builders	table	getreadfilename	function
caches	table	global	table
callback	table	graphics	table
callbacks	table	gzip	table
catcodes	table	img	table
characters	table	inspect	function
chemistry	table	interactions	table
collectgarbage	function	interfaces	table
commands	table	io	table
containers	table	ipairs	function
context	function	jit	table
context_applyprocessor	function	job	table
context_firstofoneargument	function	lang	table
converters	table	languages	table
coroutine	table	layouts	table
ctxrunner	table	lfs	table
debug	table	libraries	table
delta	number	lmx	table
dimen	function	lmxconvert	function
dir	table	lmxnew	function
directives	table	load	function
document	table	loadfile	function
documentdata	table	loadstring	function
dofile	function	logs	table
endpage	function	lp_fastpos_n	userdata

lp_fastpos_p	userdata	rawlen	function
lpdf	table	rawset	function
lpeg	table	regimes	table
ltn12	table	report_characters	function
lua	table	require	function
luatex	table	resolve_fences	function
lxml	table	resolvers	table
math	table	scripts	table
mathematics	table	select	function
mbox	table	set	table
md5	table	setcharacteralign	function
metapost	table	setfenv	function
mime	table	setinspector	function
module	function	setmetatable	function
moduledata	table	socket	table
modules	table	sorters	table
mp	table	statistics	table
mplib	table	status	table
newline	function	storage	table
newproxy	function	streams	table
next	function	string	table
noads	table	stripmath	function
node	table	structures	table
nodes	table	swiglib	function
number	table	table	table
optionalrequire	function	tex	table
os	table	texconfig	table
outputpagestree	function	texio	table
package	table	thirddata	table
pagebuilders	table	toboollean	function
pairs	function	token	table
parametersets	table	tokens	table
pattern	userdata	tonumber	function
pcall	function	tostring	function
pdf	table	trace_characters	boolean
pdfborder	function	tracers	table
pdfscanner	table	trackers	table
physics	table	type	function
print	function	typesetters	table
profiler	table	unicode	table
protect	function	unpack	function
publications	table	url	table
rawequal	function	userdata	table
rawget	function	utf	table

utilities	table
vf	table
visualizers	table
xml	table
xmlconvert	function
xpcall	function
zip	table
zlib	table

attributes (context)

colorintents table

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

colors table

- N attribute
- F cmyk
- F cmyktogray
- F cmyktorgb
- F colorcomponents
- B couple
- D data
- N default
- F defineintermediatecolor
- F definemixcolor
- F definemultitonecolor
- F defineprocesscolor
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- F forcedmodel
- F forcesupport
- F formatcolor
- F formatgray
- F gray
- F graytohsv
- F handler
- F hsvtorgay
- F hsvtorgb
- F iccprofile
- F isblack
- N main
- S model
- D models
- F mpcolor
- F mpnamedcolor

- F mpoptions
- U none
- F popset
- F processcolorcomponents
- F pushset
- F register
- D registered
- F registerspotcolor
- F rgb
- F rgbtocmyk
- F rgbtorgay
- F rgbtohsv
- N selector
- F setlist
- F setmodel
- D sets
- F spec
- F spot
- F spotcolorname
- F spotcolorparent
- F spotcolorvalue
- B supported
- F transparencycomponents
- B triggering
- F usecolors
- F value
- D values
- B weightgray

define

effects

function

table

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

handlers

list

names

negatives

table

data table

data table

table

N attribute		F register
D data		D registered
F enable		F resolve_begin
F handler		F resolve_end
F register		F resolve_step
D registered		D scopes
numbers	data table	F setfeatures
ofnode	function	F start
private	function	F stop
public	function	B supported
showcurrent	function	D values
states	table	
F disabletriggering		
F enabletriggering		
F finalize		
F initialize		
F process		
F selective		
F stacked		
F stacker		
system	function	
transparencies	table	
N attribute		
D data		
F enable		
F forcesupport		
F handler		
U none		
F register		
D registered		
B supported		
B triggering		
F value		
D values		
unsetvalue	number	
viewerlayers	table	
N attribute		
D data		
F define		
F enable		
F forcesupport		
F handler		
B hasorder		
D listwise		

backends (context)

codeinjections table

F synchronizecolormodel

current string

defaults table

T codeinjections

F gethpos

F getmatrix

F getpos

F getvpos

F hasmatrix

T nodeinjections

T registrations

D tables

install function

nodeinjections table

F restore

F save

F transform

nothing function

pdf table

T codeinjections

F addbookmarks

F attachmentid

F clonefield

F definefield

F definefieldset

F defineviewerlayer

F embedfile

F enabletags

F exportformdata

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F gethpos

F getmatrix

F getoutputfilename

F getpos

F getpreviewfigure

F getvpos

F hasmatrix

F insertrenderingwindow

F mergereferences

F mergeviewerlayers

F prerollreference

F presetsymbol

F presetsymbollist

F processrendering

F registerdocumentcloseaction

F registerdocumentopenaction

F registeredsymbol

F registerpagecloseaction

F registerpageopenaction

F registersymbol

F setfieldcalculationset

F setfigurealternative

F setfigurecolorspace

F setfiguremask

F setformat

F setformsmethod

F setpagetransition

F setupcanvas

F setupidentity

F setxmpfile

F startlayer

F stoplayer

F supportedformats

F useviewerlayer

F validfield

F validfieldcategory

F validfieldset

S comment

T nodeinjections

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

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext function

tonumber function

buffers (context)

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

builders (context)

kernel table

- F hyphenation
- F kerning
- F ligaturing
- F mlist_to_hlist

paragraphs table

- T constructors
 - N attribute
 - F define
 - F disable
 - F enable
 - F handler
- T methods
 - F basic
 - F default
 - F oneline

- D names

- D numbers

- F set

- F start

- F stop

- T expansion

- F trace

- F kepttogether

- F registertogether

- T solutions

- T splitters

- F define

- F optimize

- T registered

- F reset

- F set

- F split

- F start

- F stop

- F tag

vspacing table

- F analyze

- D categories

- F collapsevbox

- T data

- D map

- D skip

- D snapmethods

- F definesnapmethod

- B fixed

- F pagehandler

- F resetprevdepth

- F setmap

- F setskip

- F snapbox

- F tocategories

- F tocategory

- F vboxhandler

caches (context)

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

activeoffset	number	mathpairs	data table
adobename	function	mirrors	table
bidirectional	data table	otfscripts	data table
blockrange	function	ranges	data table
blocks	data table	registerentities	function
casemap	table	remap_hangul_syllable	function
categories	data table	safechar	function
category	function	setcodes	function
categorytags	data table	shape	function
checkedlower	function	shaped	function
combined	data table	shchars	data table
contextname	function	shcodes	data table
data	data table	showstring	function
decomposed	data table	specialchars	data table
define	function	specials	data table
description	function	subscripts	table
descriptions	data table	superscripts	table
directions	table	synonyms	data table
encodes	data table	tex	table
entities	data table	D accentmapping	
fallbacks	data table	F defineaccents	
filters	data table	F toutf	
fromnumber	function	textclasses	table
fschars	data table	tonumber	function
fscodes	data table	ucchars	data table
getrange	function	uccode	function
graphemes	data table	uccodes	data table
hangul	data table	unicodechar	function
initialize	function	upper	function
is_character	data table		
is_command	data table		
is_letter	data table		
is_mark	data table		
is_punctuation	data table		
is_spacing	data table		
lcchars	data table		
lccode	function		
lccodes	data table		
lettered	function		
lower	function		
math	table		

chemistry (context)

component	function
define	function
definitions	data table
format	string
instance	string
molecule	function
moleculeparser	userdata
start	function
stop	function
structures	number
undefine	function

commands (context)

Alphabetic	function	assignbuffer	function
Character	function	attachproperty	function
Characters	function	autofinishstructurelevels	function
MPc	function	autonextspace	function
MPd	function	autonextstructurelevel	function
MPh	function	autosetups	function
MPll	function	autostarttext	function
MPlr	function	autostoptext	function
MPls	function	averagecharwidth	function
MPn	function	bcolumn	function
MPp	function	boolcase	function
MPpardata	function	boxtostring	function
MPplus	function	btxaddfield	function
MPpos	function	btxauthor	function
MPposset	function	btxcitereference	function
MPr	function	btxcollectlistentries	function
MPrest	function	btxdetail	function
MPrs	function	btxdoif	function
MPul	function	btxdoifelse	function
MPur	function	btxdoifelselistentryplaced	function
MPw	function	btxdoifnot	function
MPx	function	btxfetchlistentries	function
MPxy	function	btxfield	function
MPxywhd	function	btxflush	function
MPy	function	btxflushlistentries	function
Romannumerals	function	btxhandlecite	function
abjadnodotnumerals	function	btxhandlenocite	function
abjadnumerals	function	btxlistreference	function
addbtxentry	function	btxlistvariant	function
addcounter	function	btxregisterlistentry	function
addlinklistelement	function	btxsetlistmethod	function
addreplacements	function	btxsingularorplural	function
addtojavascriptpreamble	function	buildtextaccent	function
addtolist	function	character	function
allinputpaths	function	characters	function
alphabetic	function	chardescription	function
analysefloatmethod	function	checkcharactersinfont	function
analyzelist	function	checkcountersetup	function
applytochars	function	checkedconversion	function
applytofirstcharacter	function	checkedpagefloat	function
applytowords	function	checktwopassdata	function

chemicalcomponent	function	definefilefallback	function
chineseallnumerals	function	definefilesynonym	function
chinesecapnumerals	function	definefont_one	function
chinesenumerals	function	definefont_two	function
cleanfontname	function	definefontfamily	function
cleanupbox	function	definefontfeature	function
cleanuplayers	function	definefontsolution	function
clonefield	function	defineinsertion	function
collectfloat	function	defineintermediatecolor	function
collecthelp	function	definelabels	function
colorcomponents	function	definelanguage	function
concatcommalist	function	definelinkedlist	function
consultfloat	function	definemarking	function
convertbtxdatasettoxml	function	definemetafont	function
copyposition	function	definemultitonecolor	function
cos	function	definernote	function
cosd	function	defineparallel	function
countvalue	function	defineparbuilder	function
counttwopassdata	function	defineprocesscolor	function
ctxfunction	function	defineprogram	function
currentcomponent	function	definereference	function
currentdate	function	defineregister	function
currentenvironment	function	definesectionlevels	function
currentproduct	function	defineselectfont	function
currentproject	function	definesnapmethod	function
currentreferencedefault	function	definespotcolor	function
currentreferenceorder	function	definestructureblock	function
currentregime	function	definestructureset	function
currentsectiontolist	function	definetransparency	function
datasetvariable	function	definewtopasslist	function
dayname	function	defineviewerlayer	function
deferredproperty	function	defrostrandomseed	function
defineattribute	function	depthnumber	function
definebreakpoint	function	digits	function
definebreakpoints	function	disableautofontscript	function
definecatcodetable	function	disableparbuilder	function
definecharacterspacing	function	disableregime	function
definechemical	function	disablespellchecking	function
defineconversion	function	discardfromlist	function
definecounter	function	doanalyzeframedbox	function
definedviewerlayer	function	doif	function
definefallbackfamily	function	doifblackelse	function
definefield	function	doifcommonelse	function
definefieldset	function	doifcounter	function

doifdimenstringelse	function	doifpositionelse	function
doifdrawingblackelse	function	doifpositiononpage	function
doifelse	function	doifpositionsonsamepageelse	function
doifelsebuffer	function	doifpositionsonthispageelse	function
doifelsecontinewithfile	function	doifurldefinedelse	function
doifelsecounter	function	doprocесstypescriptfile	function
doifelsecurrentfonthasfeature	function	doreshapeframedbox	function
doifelseintwopassdata	function	dostarttextfile	function
doifelsemarking	function	dostoptextfile	function
doifelsemessage	function	ecolumn	function
doifelsemultipar	function	elapsedtime	function
doifelseparallel	function	enableautofontscript	function
doifelsepositionsused	function	enablecolor	function
doifelserangeonpage	function	enablecolorintents	function
doifelserreference	function	enablefontcolor schemes	function
doifelsesavedfloat	function	enableparbuilder	function
doifelsespaces	function	enableregime	function
doifelseutfmathabove	function	enablespellchecking	function
doifelseutfmathaccent	function	enabletransparency	function
doifelseutfmathbelow	function	enhancelinkedlist	function
doifelsevisualizer	function	enhancelist	function
doiffielddcategoryelse	function	enhancereference	function
doiffielddelse	function	enhanceregister	function
doiffielddsetelse	function	erasebuffer	function
doiffiledefinedelse	function	expandcurrentreference	function
doiffileexistelse	function	exportformdata	function
doiffirstcharelse	function	exportreferences	function
doifinputfileelse	function	extendregister	function
doifinsetelse	function	extensiblecode	function
doifleapyearelse	function	feature	function
doiflisthasentry	function	featureattribute	function
doiflisthasnumberelse	function	featurelist	function
doiflisthaspageelse	function	feedback	function
doiflisthastitleelse	function	fetchallmarks	function
doiflocfileelse	function	fetchmultipar	function
doifnot	function	fetchmultishape	function
doifnotcounter	function	fetchonemark	function
doifnotecontent	function	fetchposboxes	function
doifnoteonsamepageasprevious	function	fetchtwomarks	function
doifobjectreferencefoundelse	function	figurefilename	function
doifolderversionelse	function	figurefilepath	function
doifoverlappingelse	function	figurefiletype	function
doifparentfileelse	function	figurerequest	function
doifposition	function	figurestatus	function

figureused	function	getfullsectionnumber	function
figurevariable	function	getinternallistreference	function
filterdefaultreference	function	getinternalreference	function
filterreference	function	getlasttwopassdata	function
finalizebox	function	getmarking	function
findtwopassdata	function	getmessage	function
firstcountervalue	function	getmpextensions	function
firstinset	function	getnotestate	function
flushfloat	function	getplaceholderchar	function
flushnotes	function	getprivatechar	function
flushpostponedblocks	function	getprogram	function
flushpostponednotes	function	getrandomcounta	function
fontchar	function	getrandomcountb	function
fontcollectionclone	function	getrandomseed	function
fontcollectiondefine	function	getreadfilename	function
fontcollectionprepare	function	getsectionnumber	function
fontcollectionregister	function	getstructuredata	function
fontcollectionreport	function	getsubstring	function
fontcollectionreset	function	gettexbuffer	function
fontlookupgetkey	function	gettwopassdata	function
fontlookupgetkeyofindex	function	gettwopassdatalist	function
fontlookupinitialize	function	geturl	function
fontlookupnofound	function	grabbuffer	function
forceendjob	function	hboxtovbox	function
forcequitjob	function	helpaction	function
format	function	helpreference	function
formatcolor	function	hexstringtonumber	function
formatgray	function	horizontalcode	function
freezerandomseed	function	hour	function
from	function	hyphenatedlist	function
getbidimode	function	hyphenatedurl	function
getbuffer	function	D characters	
getbufferctxlua	function	N lefthyphenmin	
getbuffermkvi	function	D mapping	
getcommandline	function	N righthyphenmin	
getctxfile	function	F setcharacters	
getcurrentprefixspec	function	immediateproperty	function
getcurrentreferencemetadata	function	incrementedcounter	function
getcurrentsectionlevel	function	initializetexdirectives	function
getdefaultfieldvalue	function	initializetextrackers	function
getfieldcategory	function	injectcurrentreference	function
getfirstcharacter	function	injectreference	function
getfirsttwopassdata	function	inlinechemical	function
getfloatvariable	function	insertattachment	function

insertcomment	function	mixfinalize	function
insertfield	function	mixflushlist	function
insertionnumber	function	mixflushrest	function
insertrenderingwindow	function	mixgetsplit	function
insertsoundclip	function	mixsetsplit	function
installedlanguages	function	mixstate	function
installtexdirective	function	molecule	function
installtextracker	function	month	function
languagenumber	function	monthmnem	function
lastcountervalue	function	monthname	function
lchexnumber	function	mpcolor	function
lchexnumbers	function	mpoptions	function
leapyear	function	mprunvar	function
linenumbersstageone	function	namedstructureuservariable	function
linenumbersstagetwo	function	namedstructurevariable	function
listgroupindex	function	nbfs	function
listlabel	function	nextcountervalue	function
listlocation	function	nextparallel	function
listprefixednumber	function	nofdays	function
listprefixedpage	function	nofitems	function
listrealpage	function	nofstackedfloats	function
listsize	function	notedeltapage	function
listtitle	function	notelistindex	function
listuserdata	function	notenumberpage	function
loadbtxdefinitionfile	function	noteprefixednumber	function
loadexamodes	function	notesymbolpage	function
loadfontgoodies	function	notetitle	function
loadspellchecklist	function	ntimes	function
loadtypescriptfile	function	number	function
loadvisualizer	function	F C	
locatefilepath	function	F FL	
locfilename	function	F HL	
lower	function	F L	
makeactive	function	F LL	
manipulated	function	F LuaSnippet	
markfonts	function	F LuaSnippetBoundary	
markingnumber	function	F LuaSnippetComment	
markingtitle	function	F LuaSnippetName	
markregionbox	function	F LuaSnippetNameBase	
math_frac	function	F LuaSnippetNameCore	
mathrenderset	function	F LuaSnippetNameLibraries	
maxitemwidth	function	F LuaSnippetQuote	
minute	function	F LuaSnippetSpecial	
mixcleanup	function	F LuaSnippetString	

F ML	F addpredefinedblankskip
F MPLIBsetCtext	F applyprocessor
F MPLIBsetNtext	F b
F MPcolor	F beginhbox
F MetapostSnippet	F beginvbox
F MetapostSnippetBoundary	F bf
F MetapostSnippetComment	F bgroup
F MetapostSnippetConstructor	F blank
F MetapostSnippetName	F bold
F MetapostSnippetNameMetafun	F btxchecklistcombi
F MetapostSnippetNamePlain	F btxchecklistentry
F MetapostSnippetNamePrimitive	F btxcitesetup
F MetapostSnippetQuote	F btxcitevariantparameter
F MetapostSnippetSpecial	F btxdirectlink
F MetapostSnippetString	F btxdomarkcitation
F NC	F btxhandlelistentry
F NR	F btxlistparameter
F ParsedXmlSnippetCdata	F btxlistvariantparameter
F ParsedXmlSnippetComment	F btxmissing
F ParsedXmlSnippetDoctype	F btxsetcategory
F ParsedXmlSnippetElement	F btxsetcitereference
F ParsedXmlSnippetInstruction	F btxsetcombis
F ParsedXmlSnippetKey	F btxsetconcat
F ParsedXmlSnippetValue	F btxsetfirst
F TexSnippet	F btxsetindex
F TexSnippetBoundary	F btxsetinternal
F TexSnippetComment	F btxsetlanguage
F TexSnippetGroup	F btxsetlistreference
F TexSnippetName	F btxsetsecond
F TexSnippetSpecial	F btxsettag
F XmlSnippet	F btxstartsubcite
F XmlSnippetBoundary	F btxstopsubcite
F XmlSnippetCdata	F c
F XmlSnippetComment	F callfunctiononce
F XmlSnippetEntity	F char
F XmlSnippetEqual	F chardef
F XmlSnippetKey	F color
F XmlSnippetName	F colordefagc
F XmlSnippetString	F colordefagt
F __flush	F colordefalc
F __flushdirect	F colordefalt
F __flushlines	F colordeffgc
F a	F colordeffgt
F addaskedblankskip	F colordefflc

F colordefflt	F dofromurldescription
F colordefrgc	F dofromurlliteral
F colordefrgt	F doinlineverbatimimbeginline
F colordefrlc	F doinlineverbatimimemptyline
F colordefrllt	F doinlineverbatimimnewline
F concat	F doinlineverbatimimstart
F constructcs	F doinlineverbatimimstop
F constructcsonly	F donestedtypingstart
F convertnumber	F donestedtypingstop
F ctxreport	F dostarttext
F d	F doverbatimimspace
F darkblue	F egroup
F darkgreen	F emptyreference
F darkred	F enablemode
F definefontsynonym	F endhbox
T delayed	F endvbox
F digitsdigit	F environment
F digitsfinalcomma	F expandreferencearguments
F digitsfinalperiod	F expandreferenceoperation
F digitshighspace	F finalizeautostructurelevel
F digitsintermediatecomma	F finishjob
F digitsintermediateperiod	F firstofoneargument
F digitsminus	F firstoftwoarguments
F digitsnegative	F fixedblankskip
F digitsplus	F flexibleblankskip
F digitspositive	F flushblankhandling
F digitspower	F flushboxregister
F digitspowerminus	F flushnode
F digitspowerplus	F fntsetdefname
F digitsseparatorspace	F fntsetnopsiz
F digitssignspace	F fntsetsomenam
F digitsspace	F fntsetsomesiz
F digitszeropadding	T formatted
F direct	F fprint
F dodisplayverbatimimbeginline	T generics
F dodisplayverbatimimemptyline	S starttabulate
F dodisplayverbatimiminitialize	S stoptabulate
F dodisplayverbatimimnewline	F getlogger
F dodisplayverbatimimstart	F getreferencestructureprefix
F dodisplayverbatimimstop	F getvalue
F dofastdefinetypeface	F glyph
F dofinishsomereference	F gobbleoneargument
F dofromfiledescription	F goto
F dofromfileliteral	F hrule

F input	F registerentry
T knownfunctions	F registerfunction
F l	F registeronepage
F lateluafunction	F registerpagerange
F letvaluerelax	F registerseeword
F llap	F reservefunction
F loadfile	F rlap
F loadfoundtypescriptfile	F rotate
F luasetup	F runfile
F m	F secondoftwoarguments
F makelinenumber	F setblankcategory
T metafun	F setblankorder
F color	F setblankpenalty
T delayed	F setconditional
F start	F setfalsevalue
F stop	F sethboxregister
T nested	F setsomevalue
F markingcommand	F settabulateentry
F markingseparator	F settabulatelastentry
F newbox	F settracing
F newcount	F setupsystem
F newdimen	F setupwithargument
F newindexer	F setvalue
F newmuskip	F setvboxregister
F newskip	F setxvalue
F newtexthandler	F space
F newtoks	F sprint
F newverbosehandler	F startLuaSnippet
F nointerlineskip	F startMetapostSnippet
F normalatop	F startParsedXmlSnippet
F normalover	F startTexSnippet
F overstrike	F startXmlSnippet
F par	F startblankhandling
F pdfliteral	F startcolumns
F popcatcodes	F startcomponentindeed
F poplogger	F startenvironmentindeed
F printlines	F startfontclass
F processfilemany	F starthboxregister
F processfilenone	F startproductindeed
F processfileonce	F startprojectindeed
F protect	F startreadingfile
T puretext	F startregisterentries
F pushcatcodes	F startregisterentry
F pushlogger	F startregisteroutput

F startregisterpages	F tolines
F startregistersection	F unitsC
F startregisterseewords	F unitsN
F starttabulate	F unitsNspace
F starttext	F unitsNstart
F starttitle	F unitsNstop
F starttvboxregister	F unitsO
F startxtitle	F unitsP
F stopLuaSnippet	F unitsPS
F stopMetapostSnippet	F unitsPU
F stopParsedXmlSnippet	F unitsPUS
F stopTexSnippet	F unitsQ
F stopXmlSnippet	F unitsS
F stopblankhandling	F unitsU
F stopcolumns	F unitsUS
F stopcomponentindeed	F unprotect
F stopenvironmentindeed	F unregisterfunction
F stopfontclass	F usemodule
F stophboxregister	F utfchar
F stopproductindeed	T verbatim
F stopprojectindeed	F LuaSnippetBoundary
F stopreadingfile	F LuaSnippetComment
F stopregisterentries	F LuaSnippetName
F stopregisterentry	F LuaSnippetNameBase
F stopregisteroutput	F LuaSnippetNameCore
F stopregisterpages	F LuaSnippetNameLibraries
F stopregistersection	F LuaSnippetQuote
F stopregisterseewords	F LuaSnippetSpecial
F stoptabulate	F LuaSnippetString
F stoptext	F MetapostSnippetBoundary
F stoptitle	F MetapostSnippetComment
F stopvboxregister	F MetapostSnippetConstructor
F stopxtitle	F MetapostSnippetName
F storenode	F MetapostSnippetNameMetafun
F synonymentry	F MetapostSnippetNamePlain
F tabulaterow	F MetapostSnippetNamePrimitive
F tabulaterowbold	F MetapostSnippetQuote
F tabulaterowtyp	F MetapostSnippetSpecial
F tabulaterowtype	F MetapostSnippetString
F template	F ParsedXmlSnippetCdata
T templates	F ParsedXmlSnippetComment
F texsetup	F ParsedXmlSnippetDoctype
F tobuffer	F ParsedXmlSnippetElement
F tocontext	F ParsedXmlSnippetInstruction

- F TexSnippetBoundary
- F TexSnippetComment
- F TexSnippetGroup
- F TexSnippetName
- F TexSnippetSpecial
- F XmlSnippetBoundary
- F XmlSnippetCdata
- F XmlSnippetComment
- F XmlSnippetEntity
- F XmlSnippetEqual
- F XmlSnippetKey
- F XmlSnippetName
- F XmlSnippetString
- F ctxreport
- F viafile
- F vrule
- F xmlcdataafter
- F xmlcdatabefore
- F xmlcdataobeyedline
- F xmlcdataobeyedspace
- F xmlprocessbuffer
- F xmlsetup

numbers

- F C
- F FL
- F HL
- F L
- F LL
- F LuaSnippet
- F LuaSnippetBoundary
- F LuaSnippetComment
- F LuaSnippetName
- F LuaSnippetNameBase
- F LuaSnippetNameCore
- F LuaSnippetNameLibraries
- F LuaSnippetQuote
- F LuaSnippetSpecial
- F LuaSnippetString
- F ML
- F MPLIBsetCtext
- F MPLIBsetNtext
- F MPcolor
- F MetapostSnippet
- F MetapostSnippetBoundary

function

- F MetapostSnippetComment
- F MetapostSnippetConstructor
- F MetapostSnippetName
- F MetapostSnippetNameMetafun
- F MetapostSnippetNamePlain
- F MetapostSnippetNamePrimitive
- F MetapostSnippetQuote
- F MetapostSnippetSpecial
- F MetapostSnippetString
- F NC
- F NR
- F ParsedXmlSnippetCdata
- F ParsedXmlSnippetComment
- F ParsedXmlSnippetDoctype
- F ParsedXmlSnippetElement
- F ParsedXmlSnippetInstruction
- F ParsedXmlSnippetKey
- F ParsedXmlSnippetValue
- F TexSnippet
- F TexSnippetBoundary
- F TexSnippetComment
- F TexSnippetGroup
- F TexSnippetName
- F TexSnippetSpecial
- F XmlSnippet
- F XmlSnippetBoundary
- F XmlSnippetCdata
- F XmlSnippetComment
- F XmlSnippetEntity
- F XmlSnippetEqual
- F XmlSnippetKey
- F XmlSnippetName
- F XmlSnippetString
- F __flush
- F __flushdirect
- F __flushlines
- F a
- F addaskedblankskip
- F addpredefinedblankskip
- F applyprocessor
- F b
- F beginhbox
- F beginvbox
- F bf

F bgroup	F constructcs
F blank	F constructcsonly
F bold	F convertnumber
F btxcheckboxlistcombi	F ctxreport
F btxcheckboxlistentry	F d
F btxcitesetup	F darkblue
F btxcitevariantparameter	F darkgreen
F btxdirectlink	F darkred
F btxdomarkcitation	F definefontsynonym
F btxhandlelistentry	T delayed
F btxlistparameter	F digitsdigit
F btxlistvariantparameter	F digitsfinalcomma
F btxmissing	F digitsfinalperiod
F btxsetcategory	F digitshighspace
F btxsetcitereference	F digitsintermediatecomma
F btxsetcombis	F digitsintermediateperiod
F btxsetconcat	F digitsminus
F btxsetfirst	F digitsnegative
F btxsetindex	F digitsplus
F btxsetinternal	F digitspositive
F btxsetlanguage	F digitspower
F btxsetlistreference	F digitspowerminus
F btxsetsecond	F digitspowerplus
F btxsettag	F digitsseparatorspace
F btxstartsubcite	F digitssignspace
F btxstopsubcite	F digitsspace
F c	F digitszeropadding
F callfunctiononce	F direct
F char	F dodisplayverbatimbeginline
F chardef	F dodisplayverbatimemptyline
F color	F dodisplayverbatiminitialize
F colordefagc	F dodisplayverbatimnewline
F colordefagt	F dodisplayverbatimstart
F colordefalc	F dodisplayverbatimstop
F colordefault	F dofastdefinetypeface
F colordeffgc	F dofinishsomereference
F colordeffgt	F dofromfiledescription
F colordefflc	F dofromfileliteral
F colordefflt	F dofromurldescription
F colordefrgc	F dofromurlliteral
F colordefrgt	F doinlineverbatimbeginline
F colordefrlc	F doinlineverbatimemptyline
F colordefrlt	F doinlineverbatimnewline
F concat	F doinlineverbatimstart

F doinlineverbatimstop	F loadfile
F donestedtypingstart	F loadfoundtypescriptfile
F donestedtypingstop	F luasetup
F dostarttext	F m
F doverbatimspace	F makelinenumber
F egroup	T metafun
F emptyreference	F color
F enablemode	T delayed
F endhbox	F start
F endvbox	F stop
F environment	T nested
F expandreferencearguments	F markingcommand
F expandreferenceoperation	F markingseparator
F finalizeautostructurelevel	F newbox
F finishjob	F newcount
F firstofoneargument	F newdimen
F firstoftwoarguments	F newindexer
F fixedblankskip	F newmuskip
F flexibleblankskip	F newskip
F flushblankhandling	F newtexthandler
F flushboxregister	F newtoks
F flushnode	F newverbosehandler
F fntsetdefname	F nointerlineskip
F fntsetnopsiz	F normalatop
F fntsetsomenam	F normalover
F fntsetsomesiz	F overstrike
T formatted	F par
F fprint	F pdfliteral
T generics	F popcatcodes
S starttabulate	F poplogger
S stoptabulate	F printlines
F getlogger	F processfilemany
F getreferencestructureprefix	F processfilenone
F getvalue	F processfileonce
F glyph	F protect
F gobbleoneargument	T puretext
F goto	F pushcatcodes
F hrule	F pushlogger
F input	F registerentry
T knownfunctions	F registerfunction
F l	F registeronepage
F lateluafunction	F registerpagerange
F letvaluerelax	F registerseeword
F llap	F reservefunction

F rlap	F startvboxregister
F rotate	F startxtitle
F runfile	F stopLuaSnippet
F secondoftwoarguments	F stopMetapostSnippet
F setblankcategory	F stopParsedXmlSnippet
F setblankorder	F stopTexSnippet
F setblankpenalty	F stopXmlSnippet
F setconditional	F stopblankhandling
F setfalsevalue	F stopcolumns
F sethboxregister	F stopcomponentindeed
F setsomevalue	F stopenvironmentindeed
F settabulateentry	F stopfontclass
F settabulatelastentry	F stophboxregister
F settracing	F stopproductindeed
F setupsystem	F stopprojectindeed
F setupwithargument	F stopreadingfile
F setvalue	F stopregisterentries
F setvboxregister	F stopregisterentry
F setxvalue	F stopregisteroutput
F space	F stopregisterpages
F sprint	F stopregistersection
F startLuaSnippet	F stopregisterseewords
F startMetapostSnippet	F stoptabulate
F startParsedXmlSnippet	F stoptext
F startTexSnippet	F stoptitle
F startXmlSnippet	F stopvboxregister
F startblankhandling	F stopxtitle
F startcolumns	F storenode
F startcomponentindeed	F synonymentry
F startenvironmentindeed	F tabulaterow
F startfontclass	F tabulaterowbold
F starthboxregister	F tabulaterowtyp
F startproductindeed	F tabulaterowtype
F startprojectindeed	F template
F startreadingfile	T templates
F startregisterentries	F texsetup
F startregisterentry	F tobuffer
F startregisteroutput	F tocontext
F startregisterpages	F tolines
F startregistersection	F unitsC
F startregisterseewords	F unitsN
F starttabulate	F unitsNspace
F starttext	F unitsNstart
F starttitle	F unitsNstop

F units0	F XmlSnippetCdata	
F unitsP	F XmlSnippetComment	
F unitsPS	F XmlSnippetEntity	
F unitsPU	F XmlSnippetEqual	
F unitsPUS	F XmlSnippetKey	
F unitsQ	F XmlSnippetName	
F unitsS	F XmlSnippetString	
F unitsU	F ctxreport	
F unitsUS	F viafile	
F unprotect	F vrule	
F unregisterfunction	F xmldataaafter	
F usemodule	F xmldataabefore	
F utfchar	F xmldataaobeyedline	
T verbatim	F xmldataaobeyedspace	
F LuaSnippetBoundary	F xmlprocessbuffer	
F LuaSnippetComment	F xmlsetup	
F LuaSnippetName	objectnumber	function
F LuaSnippetNameBase	objectpage	function
F LuaSnippetNameCore	octnumber	function
F LuaSnippetNameLibraries	octstringtonumber	function
F LuaSnippetQuote	ordinal	function
F LuaSnippetSpecial	overloadbookmark	function
F LuaSnippetString	page_injections_flush_after	function
F MetapostSnippetBoundary	page_injections_flush_before	function
F MetapostSnippetComment	page_injections_save	function
F MetapostSnippetConstructor	pagestaterealpage	function
F MetapostSnippetName	parpos	function
F MetapostSnippetNameMetafun	pdfrotation	function
F MetapostSnippetNamePlain	pdfstartmatrix	function
F MetapostSnippetNamePrimitive	pdfstartmirroring	function
F MetapostSnippetQuote	pdfstartrotation	function
F MetapostSnippetSpecial	pdfstartscaling	function
F MetapostSnippetString	pdfstopmatrix	function
F ParsedXmlSnippetCdata	pdfstopmirroring	function
F ParsedXmlSnippetComment	pdfstoprotation	function
F ParsedXmlSnippetDoctype	pdfstopscaling	function
F ParsedXmlSnippetElement	percentageof	function
F ParsedXmlSnippetInstruction	pgfxcolorspec	function
F TexSnippetBoundary	placeparallel	function
F TexSnippetComment	popfloat	function
F TexSnippetGroup	popitaliccorrection	function
F TexSnippetName	poplist	function
F TexSnippetSpecial	popreferenceprefix	function
F XmlSnippetBoundary	popregime	function

popsectionblock	function	registerhelp	function
pos	function	registeritemgroup	function
posplus	function	registerlanguagefeatures	function
posstrut	function	registerlinenumbering	function
postponenotes	function	registermaintextcolor	function
poswhd	function	registernamespace	function
posxy	function	registerpostponedblock	function
prefixedconverted	function	registerrendering	function
prepareMPvariable	function	registersection	function
preparedfile	function	registersoundclip	function
presetsymbolist	function	registerstructureprocessor	function
presettabulate	function	registersynonym	function
prevcountervalue	function	registertransparency	function
processbuffer	function	registerunit	function
processcolorcomponents	function	registerusedsynonym	function
processedfile	function	registeruserdata	function
processedfiles	function	relatemarking	function
processfile	function	remapentity	function
processfilemany	function	removemissingcharacters	function
processfilenone	function	renderingvar	function
processfileonce	function	replacemissingcharacters	function
processlist	function	replacepospxywhd	function
processregister	function	reportstructure	function
processsplit	function	resavefloat	function
processsynonyms	function	resetcharacteralign	function
purefontname	function	resetcounter	function
pushfloat	function	resetfontfeature	function
pushitaliccorrection	function	resetfontsolution	function
pushlist	function	resetmarking	function
pushreferenceprefix	function	resetmathattributes	function
pushregime	function	resetmathitalics	function
pushsectionblock	function	resetnullfont	function
rawcharacter	function	resetparallel	function
rawcountervalue	function	resetprevdepth	function
rawdate	function	resetreference	function
referencepagestate	function	resetstructureprocessor	function
referencerealpage	function	resettimer	function
registerattachment	function	restartcounter	function
registerbookmark	function	restorecounter	function
registerbuttons	function	restorecurrentattributes	function
registercatcodetable	function	restorenote	function
registercolor	function	romannumerals	function
registercolorintent	function	runbuffer	function
registeredviewerlayer	function	safechar	function

savebuffer	function	setformat	function
savecounter	function	setformsmethod	function
savecurrentattributes	function	setinitial	function
savelistnumber	function	setinsertionlocation	function
savelistprefixednumber	function	setinterfaceconstant	function
savelisttitle	function	setinterfaceelement	function
savefloat	function	setinterfacemessage	function
savemargindata	function	setinterfacemessages	function
savenote	function	setinterfacevariable	function
saveobject	function	setinternalreference	function
savepagedata	function	setjobcomment	function
saveparallel	function	setlanguageexceptions	function
savestructureblock	function	setlanguagesynonym	function
savetaggedtwopassdata	function	setlayer	function
savetwopassdata	function	setmarking	function
savevariable	function	setmathalphabet	function
second	function	setmathalternate	function
selectstructureblock	function	setmathattribute	function
setbreakpoints	function	setmathdirection	function
setbtxdataset	function	setmathitalics	function
setbtxentry	function	setmathstyle	function
setcharacteralign	function	setnextinternalreference	function
setcharactercasing	function	setnextreferenceorder	function
setcharactercleaning	function	setnotestate	function
setcharactercodes	function	setnotesymbolpage	function
setcharacterkerning	function	setobject	function
setcharacterspacing	function	setopendocumentaction	function
setcharacterstripping	function	setopenpageaction	function
setcloseddocumentaction	function	setowncounter	function
setclosepageaction	function	setpagestate	function
setcolormodel	function	setpagestaterealpageno	function
setcounter	function	setpagetransition	function
setdataset	function	setparbuilder	function
setdigitsmanipulation	function	setpos	function
setdirection	function	setrandomseed	function
setdocumentenvironments	function	setrealign	function
setdocumentfilenames	function	setrealspaces	function
setdocumentmodes	function	setreferencearguments	function
setdocumentmodules	function	setreferenceattribute	function
setfigurelookuporder	function	setreferenceoperation	function
setfirstline	function	setregistermethod	function
setfontfeature	function	setreplacements	function
setfontofid	function	setsectionblock	function
setfontsolution	function	setsectionentry	function

setsectionlevel	function	startchemical	function
setsectionnumber	function	startcolorset	function
setstructureblockstate	function	startcomponent	function
settagcombination	function	startenvironment	function
settagdescription	function	startfontsolution	function
settagdescriptionsymbol	function	startparbuilder	function
settagfigure	function	startproduct	function
settaghighlight	function	startproject	function
settagitemgroup	function	startregime	function
settagproperty	function	startsectionlevel	function
settagsorting	function	starttag	function
settagsynonym	function	starttext	function
settagtablecell	function	startviewerlayer	function
settagtabulatecell	function	stopchemical	function
setupbookmarks	function	stopcolorset	function
setupcanvas	function	stopcomponent	function
setupcharacterspacing	function	stopenvironment	function
setupexport	function	stopfontsolution	function
setupfontexpansion	function	stopparbuilder	function
setupfontprotrusion	function	stopproduct	function
setupidentity	function	stopproject	function
setupinsertion	function	stopregime	function
setupitaliccorrection	function	stopsectionlevel	function
setuplinenumbering	function	stoptag	function
setvisual	function	stoptext	function
setxmpfile	function	stopviewerlayer	function
showassignerror	function	storejavascriptcode	function
showattributes	function	storejavascriptpreamble	function
showbtxdatasetcompleteness	function	storenote	function
showbtxdatasetfields	function	storeregister	function
showbtxfields	function	strdp	function
showcallbacks	function	strhd	function
showchardata	function	strht	function
showcounter	function	strip	function
showfontparameters	function	structureautocatcodedget	function
showhyphenatedinlist	function	structurecatcodedget	function
showjustification	function	structuregivencatcodedget	function
showmessage	function	structurenumber	function
sin	function	structuretitle	function
sind	function	structureuservariable	function
splitfilename	function	structurevariable	function
spotcolorname	function	strwd	function
spotcolorparent	function	subcountervalues	function
spotcolorvalue	function	synchronizecolormodel	function

synchronizemarking	function	usetexfile	function
synonymmeaning	function	useurl	function
synonymname	function	usexmlfile	function
taggedmathfunction	function	usezipfile	function
tan	function	utfchar	function
tand	function	utfmathclass	function
testcase	function	utfmathcommand	function
textime	function	utfmathcommandabove	function
thefirstcharacter	function	utfmathcommandbelow	function
theremainingcharacters	function	utfmathfiller	function
thetexdefinition	function	utfmathstretch	function
transparencycomponents	function	vboxlisttohbox	function
triggereffect	function	verbose	function
triggernegative	function	visual	function
truefilename	function	vspacing	function
typebuffer	function	vspacingcollapse	function
typefile	function	vspacingdefine	function
typestring	function	vspacingsetamount	function
uchexnumber	function	vspacingsnap	function
uchexnumbers	function	way	function
undefinechemical	function	weekday	function
unicodechar	function	weekdayname	function
unit	function	writestatus	function
unloadlanguage	function	x_table_c	function
upper	function	x_table_cleanup	function
useMPLibrary	function	x_table_construct	function
useanyfile	function	x_table_create	function
usebtxdataset	function	x_table_flush	function
usecldfile	function	x_table_init_construct	function
usecolors	function	x_table_init_reflow_height	function
usecomponent	function	x_table_init_reflow_width	function
useenvironment	function	x_table_next_row	function
usefile	function	x_table_r	function
usejavascriptpreamble	function	x_table_reflow_height	function
usejavascriptscripts	function	x_table_reflow_width	function
uselibrary	function	x_table_set_construct	function
useluafile	function	x_table_set_reflow_height	function
uselua module	function	x_table_set_reflow_width	function
usemodules	function	year	function
usepath	function		
useproduct	function		
useproject	function		
usesubpath	function		
usesymbols	function		

containers (context)

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

converters (context)

A	function	ordinal	function
AK	function	r	function
Alphabetic	function	rawcharacter	function
Character	function	romannumerals	function
Characters	function	second	function
I	function	sequences	data table
KA	function	textime	function
KR	function	toabjad	function
R	function	tochinese	function
RK	function	toroman	function
Romannumerals	function	verbose	table
Word	function	D data	
Words	function	F translate	
a	function	weekday	function
abjadnodotnumerals	function	word	function
abjadnumerals	function	words	function
alphabetic	function	year	function
character	function		
characters	function		
chineseallnumerals	function		
chineseapnumerals	function		
chinesenumerals	function		
chr	function		
chrs	function		
cn	function		
cn-a	function		
cn-c	function		
convert	function		
define	function		
hexstringtonumber	function		
hour	function		
i	function		
isleapyear	function		
leapyear	function		
maxchrs	function		
minute	function		
month	function		
nofdays	function		
number	function		
numbers	function		
octstringtonumber	function		

coroutine (basic lua)

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

ctxrunner (context)

load	function
prepfiles	data table
resolve	function

debug (basic lua)

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

dir (context)

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

directives (context)

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

document (context)

arguments	data table
files	table
getargument	function
getfilename	function
options	table
T cmdline	
D environments	
D modes	
D modules	
T ctxfile	
D environments	
D modes	
D modules	
setargument	function
setdefaultargument	function
setfilename	function
variables	data table

environment (context)

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

epdf (extra tex)

Array	function
Dict	function
Object	function
PDFRectangle	function
open	function
type	function

experiments (context)

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

figures (context)

applyratio	function
bases	data table
bitmapimage	function
boxnumber	number
cachepaths	data table
check	function
checkers	data table
converters	data table
current	function
defaultdepth	number
defaultheight	number
defaultsearch	boolean
defaultwidth	number
done	function
dummy	function
exists	data table
exists	function
formats	data table
found	data table
get	function
guess	function
hash	function
identifiers	data table
identify	function
images	table

- F boxes
- F check
- F checksize
- F clone
- F copy
- F immediatewrite
- F keys
- F new
- F node
- F ofindex
- F package
- F print
- F scan
- F serialize
- F totable
- F types

F write	
include	function
includers	data table
initialize	function
loaded	data table
localpaths	data table
magics	data table
mergegoodies	function
nofprocessed	number
order	data table
paths	data table
patterns	data table
pop	function
preferquality	boolean
programs	data table
push	function
registerpattern	function
registerresource	function
registersuffix	function
resources	data table
scale	function
setlookups	function
setorder	function
setpaths	function
suffixes	data table
used	data table

file (basic lua)

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

floats (context)

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

fontloader (extra tex)

apply_afmfile	function
apply_featurefile	function
close	function
fields	function
fullinfo	function
info	function
open	function
to_table	function
totable	function

fonts (context)

analyzers	table		F report
T features			F reset
N blwf			T vectors
N fina		constructors	table
N half		F aftercopyingcharacters	
N init		F applymanipulators	
N isol		F assignmathparameters	
N medi		B autocleanup	
N pref		F beforecopyingcharacters	
N pstf		D cache	
N rphf		F calculatyscale	
D initializers		F checkedfeatures	
D methods		F checkedfilename	
F setstate		F checkvirtualids	
T states		F cleanupable	
N blwf		F collectprocessors	
N fina		D designsizes	
N half		D dontembed	
N init		F enhanceparameters	
N isol		N factor	
N mark		F finalize	
N medi		F getfeatureaction	
N pref		F hashfeatures	
N pstf		F hashinstance	
N rest		T hashmethods	
N rphf		F normal	
B useunicodemarks		F virtual	
checkers	table	F initializefeatures	
F getmissing		T keys	
F missing		T character	
cid	table	S depth	
F getmap		S height	
F loadfile		S italic	
collections	table	S width	
F checkenabled		T description	
F clonevector		T boundingbox	
F define		S depth	
T definitions		S height	
F prepare		S width	
F process		T parameters	
F registermain		S ascender	

S descender	S encodingbytes
S designsize	S filename
T expansion	S finalized
S auto	S fontname
S shrink	S format
S step	S fullname
S stretch	S hasitalics
S extendfactor	S hasmath
S factor	S mathitalics
S hfactor	S mode
S mathsize	S name
T protrusion	S noglyphnames
S auto	S nostackmath
S quad	S psname
S scaledpoints	S textitalics
S scriptpercentage	S virtualized
S scriptscriptpercentage	D loadedfonts
S size	S namemode
S slantfactor	F newfeatures
S slantperpoint	F newhandler
T spacing	N noffontsloaded
S extra	N nofsharedfonts
S shrink	N nofsharedhashes
S stretch	N nofsharedvectors
S width	N privateoffset
T synonyms	F readanddefine
S em	F registerfeature
S ex	B resolvevirtualtoo
S extra_space	F scale
S extraspace	F scaled
S slant	F setfactor
S space	F setname
S space_shrink	B sharefonts
S space_stretch	F trytosharefont
S spaceshrink	N version
S spacestretch	current function
S x_height	currentid function
S units	definers table
S vfactor	F addlookup
S xheight	F analyze
T properties	F applypostprocessors
S autoitalicamount	F checkedmode
T cidinfo	F checkedscript
S embedding	F current

- S defaultlookup
- F define
- F getspecification
- F internal
- F loadfont
- F makespecification
- T methods
 - F install
 - D variants
- F read
- F register
- F registered
- F registersplit
- F resetnullfont
- F resolve
- T resolvers
 - F file
 - F name
 - F spec

definetypeface function
encodings table

- T agl
- D cache
- F is_known
- D known
- F load
- F make_unicode_vector
- D math
- N version

expansions data table
formats data table
goodies table

- D colorschemes
- D data
- D designsizes
- D filenames
- F getcompositions
- T list
 - F compositions
 - F designsizes
 - F expansions
 - F featureset
 - F filenames
 - F files

- F mathematics
- F protrusions
- F solutions
- F treatments
- F typefaces
- F load
- F prepare_features
- F register
- F registerpostprocessor
- F report

handlers table

- T afm
 - B addkerns
 - B addligatures
 - B addtexligatures
 - B autoprefixed
 - D cache
 - D features
 - T helpdata
 - D bothkerned
 - D leftkerned
 - D ligatures
 - D rightkerned
 - D texligatures
 - F load
 - F setfeatures
 - B syncspace
 - N version
- T otf
 - F addfeature
 - D cache
 - T chainhandlers
 - F normal
 - F verbose
 - F collectlookups
 - F dataset
 - S defaultbasealternate
 - S defaultnodealternate
 - D enhancers
 - D features
 - F fileformat
 - F getalternate
 - T glists
 - T handlers

F contextchain	D math	
F devanagari_remove_joiners	D predefined	
F devanagari_reorder_matras	D whatever	
F devanagari_reorder_pre_base_reordering_consonants	hashes	table
F devanagari_reorder_reph	D characters	
F gpos_context	D csnames	
F gpos_contextchain	D descriptions	
F gpos_cursive	D dynamics	
F gpos_mark2base	D emwidths	
F gpos_mark2ligature	D exheights	
F gpos_mark2mark	D extensibles	
F gpos_pair	D features	
F gpos_single	D identifiers	
F gsub_alternate	D italics	
F gsub_context	D lastmathids	
F gsub_contextchain	D marks	
F gsub_ligature	D parameters	
F gsub_multiple	T processes	
F gsub_reversecontextchain	D properties	
F gsub_single	D quads	
F load	D resources	
F scriptandlanguage	T setdynamics	
F setcontextchain	D spaces	
F setdynamics	D spacings	
F setfeatures	D unicodes	
T statistics	D xheights	
D usedfeatures	helpers	table
T tables	F addprivate	
D baselines	F dimenfactor	
D features	F expandglyph	
D languages	F fontpatternhassize	
D scripts	F getdigitwidth	
N version	F getparameters	
T pfb	F getprivatenode	
T tfm	F hasprivate	
D features	F name	
F setfeatures	F nametoslot	
T vf	F setdigitwidth	
T combinations	F splitfontpattern	
F combine	iterators	table
T combiner	F characters	
D commands	F descriptions	
F find	F glyphs	
D helpers	loggers	table

F add_placeholders
 T category_to_placeholder
 S ll
 S lm
 S lo
 S lt
 S lu
 S mc
 S me
 S mn
 S nd
 S nl
 S no
 S pc
 S pd
 S pe
 S pf
 S pi
 S po
 S ps
 S sc
 S sk
 S sm
 S so
 F format
 F onetimemessage
 F register
 F reportdefinedfonts
 F reportusedfeatures

mappings table

F addtounicode
 F fromunicodel6
 F loadfile
 F loadline
 F loadlumtable
 F makenameparser
 F reset
 F tounicodel6
 F tounicodel6sequence

mp table

D cache
 B inline
 N version

names data table

nulldata protrusions readers

F afm
 F check_lua
 F check_tfm
 F dfont
 F lua
 F opentype
 F otf
 F pfb
 D sequence
 F tfm
 F ttc
 F ttf

select table

T data
 F definetypeface
 T fallbacks
 F filterinput
 T methods
 F default
 F features
 F file
 F goodies
 F name
 F selectfont
 F simplefonts
 F spec
 F style
 F registerfallback
 F searchfiles

specifiers table

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

D synonyms
D variants
symbols table
F uselibrary
tables table
tracers table
treatments table
F applyfixes
D data
S filename
F ignoredfile
F report
F trace
typefaces data table

functions (context)

dummy function

graphics (context)

backgrounds table

F calculatemultipar

F fetchmultipar

F pair

F path

F point

gzip (extra lua)

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

img (basic tex)

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

interactions (context)

attachments data table

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F setupidentity

help table

F collect

F reference

F register

javascripts table

F addtopreamble

F code

D codes

F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedlists data table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocument

F setclosepage

F setopendocument

F setopenpage

renderings data table

soundclips data table

interfaces (context)

addvalidkeys	function
cachedsetups	data table
cachesetup	function
checkedspecification	function
complete	data table
constants	data table
corenamespaces	data table
definecommand	function
doifelsemessage	function
elements	data table
formats	data table
getcheckedparameters	function
getmessage	function
hashedsetups	data table
interfacedcommand	function
interfaces	table
invalidkey	function
is_command	function
namespaces	table
F define	
F list	
registernamespace	function
setconstant	function
setelement	function
setformat	function
setmessage	function
setmessages	function
settranslation	function
setuserinterface	function
setvalidkeys	function
setvariable	function
showmessage	function
syntax	data table
tolist	function
translations	data table
variables	data table

io (basic lua)

ask	function
bytes	function
characters	function
close	function
exists	function
fileseparator	string
flush	function
i_limiter	function
i_limiters	table
T paranoid	
input	function
limiter	function
lines	function
loadchunk	function
loaddata	function
loadlines	function
noflines	function
o_limiter	function
o_limiters	table
T paranoid	
open	overloaded function
output	function
pathseparator	string
popen	overloaded function
read	function
readall	function
readnumber	function
readstring	function
savadata	function
size	function
stderr	userdata
stdin	userdata
stdout	userdata
tmpfile	function
type	function
write	function

jit (context)

arch	string
attach	function
flush	function
off	function
on	function
opt	table
F start	
os	string
status	function
util	table
F funcbc	
F funcinfo	
F funcck	
F funcuvname	
F ircalladdr	
F traceexitstub	
F traceinfo	
F traceir	
F tracek	
F tracemc	
F tracesnap	
version	string
version_num	number

job (context)

comment function

datasets table

D collected

F extend

F getdata

F setdata

D tobesaved

disablesave function

files table

D collected

F context

B forcerun

F run

D tobesaved

initialize function

load function

loadother function

objects table

D collected

F get

F number

F page

F save

F set

D tobesaved

pack boolean

packversion number

pagestates table

D collected

F extend

F realpage

F setstate

D tobesaved

passes table

F check

D collected

F count

F define

F find

F first

F get

F getcollected

F getdata

F getfield

F gettobesaved

F inlist

F last

F list

F save

F savetagged

D tobesaved

positions table

F b_col

F b_region

F c

D collected

F column

F copy

F depth

F e_col

F e_region

F enhance

F extra

F get

F getreserved

F hangafter

F hangindent

F height

F hsize

F leftskip

F lowerleft

F lowerright

F markregionbox

F n

F onsamepage

F overlapping

F p

F page

F paragraph

F parindent

F position

F r

- F region
- F replace
- F rightskip
- F set
- F setall
- F setdim
- D tobesaved
- F upperleft
- F upperright
- F width
- F x
- F xy
- F y
- register** function
- save** function
- structure** table
- D collected
- T components
- T tobesaved
- T branches
- S name
- S type
- variables** table
- D checksums
- D collected
- F getchecksum
- F makechecksum
- F restore
- F save
- F setchecksum
- D tobesaved
- version** number

lang (basic tex)

clean	function
clear_hyphenation	function
clear_patterns	function
exceptions	function
hyphenate	function
hyphenation	function
id	function
new	function
patterns	function
postexhyphenchar	function
posthyphenchar	function
preexhyphenchar	function
prehyphenchar	function

languages (context)

associate	function	F found
associated	data table	F load
association	function	T methods
counters	data table	N threshold
current	function	
data	data table	
define	function	
frequencies	table	
	F averagecharwidth	
	F getdata	
getnumber	function	
hyphenate	function	
installed	function	
labels	table	
	F define	
	F split	
lefthyphenmin	function	
loadable	function	
loadwords	function	
logger	table	
	F report	
numbers	data table	
posthyphenchar	function	
prehyphenchar	function	
registered	data table	
replacements	table	
	F add	
	F handler	
	F set	
righthyphenmin	function	
setexceptions	function	
setsynonym	function	
unload	function	
version	number	
words	table	
	F check	
	T data	
	F disable	
	F enable	
	T enablers	
	B enables	

layouts (context)

status table

F isleftpage

F leftorrightpagection

lfs (extra lua)

attributes	function
chdir	function
currentdir	function
dir	function
isdir	overloaded function
isfile	function
lock	function
lock_dir	function
mkdir	function
makedirs	function
readlink	function
rmdir	function
setmode	function
shortname	function
symlinkattributes	function
touch	function
unlock	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
F a	
F td	
F th	
include	function
inherited	table
S color-background-four	
S color-background-one	
S color-background-three	
S color-background-two	
S title	
initialize	function
inject	function
lmxfile	function
loadedfile	function
new	function
overloaderror	function
popupfile	function
print	function
pv	function
report	function
reset	function
result	function
set	function
show	function
showdebuginfo	function
showerror	function
stripcss	function

tv	function
type	function
urlescape	function
variable	function
variables	table
S color-background-blue	
S color-background-body	
S color-background-green	
S color-background-main	
S color-background-purple	
S color-background-yellow	
S title-default	

logs (context)

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

lpdf (context)

action	function	gethpos	function
adddocumentcolorspace	function	getmatrix	function
adddocumenttextgstate	function	getpos	function
adddocumentpattern	function	getvpos	function
adddocumentshade	function	graycode	function
addtocatalog	function	hasmatrix	function
addtoinfo	function	id	function
addtonames	function	injectxmpinfo	function
addtopageattributes	function	insertxmpinfo	function
addtopageresources	function	layerreference	function
addtopagesattributes	function	limited	function
addxmpinfo	function	linearshade	function
annotationspecification	function	nametree	function
array	function	null	function
boolean	function	number	function
border	function	pagedestinations	data table
checkedkey	function	pagereference	function
checkedvalue	function	pagereferences	data table
circularshade	function	pdfcolor	function
cmykcode	function	pdftimestamp	function
collectedresources	function	protectresources	boolean
color	function	rectangle	function
colorspace	function	reference	function
colorspaceconstants	data table	registerannotation	function
colorspec	function	registerdestination	function
colorvalue	function	registerdocumentfinalizer	function
colorvalues	function	registerpagefinalizer	function
constant	function	reserveobject	function
delayedobject	function	rgbcode	function
destinationspecification	function	rotationcm	function
dictionary	function	shareobject	function
epdf	table	shareobjectreference	function
F expand		spotcode	function
F load		stream	function
finalizedocument	function	string	function
finalizepage	function	timestamp	function
finishtransparencycode	function	toeight	function
flushobject	function	tosixteen	function
flushstreamfileobject	function	transform	function
flushstreamobject	function	transparency	function
formats	data table	transparencycode	function

transparencygroups	table
transparencyvalue	function
unicode	function
verbose	function

B none

lpeg (basic lua)

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

ltn12 (extra lua)

BLOCKSIZE number

filter table

F chain

F cycle

pump table

F all

F step

sink table

F chain

F error

F file

F null

F simplify

F table

source table

F cat

F chain

F empty

F error

F file

F rewind

F simplify

F string

lua (basic tex)

bytecode	table
bytedata	data table
bytdone	table
collectgarbage	function
delay	function
finalize	function
firstbytecode	number
flush	function
flushdelayed	function
get_functions_table	function
getbytecode	function
getluaname	function
lastbytecode	number
mask	string
messages	data table
name	table
numbers	data table
registercode	function
registeredcodes	function
registerfinalizer	function
registername	function
setbytecode	function
setluaname	function
startupfile	string
version	string

luatex (context)

cleanuptempfiles	function
registerstartactions	function
registerstopactions	function
registertempfile	function
starttime	number

lxml (context)

addindex	function	getid	function
all	function	getindex	function
applyfunction	function	id	function
att	function	idsplitter	userdata
attribute	function	include	function
chainattribute	function	index	function
checkindex	function	info	function
collected	function	inlineverbatim	function
command	function	installsetup	function
concat	function	last	function
concatrange	function	load	function
content	function	loadbuffer	function
context	function	loaddata	function
convert	function	loaded	table
count	function	loadregistered	function
delete	function	main	function
direct	function	match	function
directives	table	name	function
F after		namespace	function
F before		nonspace	function
F handle		pos	function
F load		position	function
F setup		raw	function
displayverbatim	function	rawroot	function
doif	function	register	function
doifelse	function	registerentity	function
doifsetext	function	removesetup	function
doifnot	function	resetcdata	function
doifnottext	function	resetsetups	function
doiftext	function	resolvedentity	function
element	function	root	function
elements	function	save	function
entities	data table	serialize	function
filter	function	setaction	function
filterlist	function	setcdata	function
first	function	setcommandtonone	function
flush	function	setcommandtotext	function
flushlinewise	function	setsetup	function
flushsetups	function	snippet	function
flushspacewise	function	sorters	table
get_id	function		

F add

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

math (basic lua)

abs	function
acos	function
asin	function
atan	function
atan2	function
ceil	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	resetitalics	function
alphabets	data table	scaleparameters	function
alternatives	data table	setalternate	function
big	function	setitalics	function
boldmap	data table	sets	data table
categories	table	styles	data table
D functions		syncboth	function
charactersets	data table	syncname	function
checkaccentbaseheight	function	syncstyle	function
checkprivateparameters	function	toname	function
classes	data table	tostyle	function
codes	data table	tweakaftercopyingfont	function
define	function	tweakbeforecopyingfont	function
dimensions	function	tweaks	table
extensiblecode	function	utfmathaccent	function
extensibles	data table	utfmathclass	function
extrabase	number	utfmathcommand	function
extras	table	utfmathfiller	function
F add		utfmathstretch	function
F copy			
fallbacks	table		
F apply			
F install			
fallbackstyleattr	function		
families	data table		
gaps	data table		
getboth	function		
getstyle	function		
initializeparameters	function		
injectfallbacks	function		
makefont	function		
mapremap	data table		
overloaddimensions	function		
overloadparameters	function		
privatebase	number		
remapalphabets	function		
renderings	table		
D mappings			
D numbers			
D sets			
renderset	function		

mbox (context)

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

md5 (extra lua)

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

metapost (context)

analyzeplugins	function	getstatistics	function
checkformat	function	gettext	function
checktexts	function	graphic	function
collapse	boolean	graphic_base_pass	function
colorinitializer	function	initializescriptrunner	function
convert	function	instance	function
defaultformat	string	intermediate	table
defaultinstance	string	T actions	
defaultmethod	string	F makemply	
directrun	function	lastlog	string
edefsxxy	function	llx	number
escaped	function	lly	number
exectime	table	load	function
extensiondata	data table	makemply	table
filterclippath	function	N nofconverted	
finder	function	F processgraphics	
flush	function	F registerfile	
flushers	table	metafun	table
T pdf		F interpolate	
F comment		F topath	
F flushfigure		method	number
F startfigure		mptopdf	table
F stopfigure		F convertmptstopdf	
F textfigure		N nofconverted	
flushliteral	function	multipass	boolean
flushnormalpath	function	n	number
flushreset	function	nvformat	function
fonts	table	optimize	boolean
F define		parse	function
T flusher		pdf literals	function
F flushfigure		pluginactions	function
F startfigure		process	function
F stopfigure		processplugins	function
N instances		processspecial	function
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	resettex texts	function

runscript	function
scripterror	function
setextensions	function
setoutercolor	function
settext	function
settexttexts	function
showlog	boolean
svformat	function
tex	table
F get	
F reset	
F set	
texerrors	boolean
texttextsdata	function
theclippath	function
totable	function
unload	function
untagvariable	function
urx	number
ury	number
variables	table

mime (extra lua)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

f	function
boolean	function
format	function
number	function
numeric	function
pair	function
print	function
quadruple	function
quoted	function
string	function
triplet	function

mplib (extra tex)

fields	function
finders	table
F file	
get_boolean	function
get_number	function
get_numeric	function
get_string	function
new	function
pen_info	function
preprocessed	function
version	function

noads (context)

handlers table

- F check
- F classes
- F collapse
- F families
- F italics
- F relocate
- F render
- F resize
- F showtree
- F tags
- F unscript
- F variants

process function

processors table

- T collapse
- F mlist_to_hlist
- T relocate
- T render
- T resize
- T unscript

node (basic tex)

copy	function	F protect_glyphs	
copy_list	function	F protrusion_skippable	
count	function	F remove	
current_attr	function	F set_attribute	
dimensions	function	F set_properties_mode	
direct	table	F setbox	
F copy		F setfield	
F copy_list		F setproperty	
F count		F slide	
F current_attr		F tail	
F dimensions		F todirect	
F do_ligature_n		F tonode	
F end_of_math		F toString	
F first_glyph		F traverse	
F flush_list		F traverse_id	
F flush_node		F unprotect_glyphs	
F flush_properties_table		F unset_attribute	
F free		F usedlist	
F get_properties_table		F vpack	
F getbox		F write	
F getchar		do_ligature_n	function
F getfield		end_of_math	function
F getfont		family_font	function
F getid		fields	function
F getleader		first_character	function
F getlist		first_glyph	function
F getnext		flush_list	function
F getprev		flush_node	function
F getproperty		flush_properties_table	function
F getsubtype		free	function
F has_attribute		get_properties_table	function
F has_field		getchar	function
F has_glyph		getfield	function
F hpack		getfont	function
F insert_after		getid	function
F insert_before		getleader	function
F is_direct		getlist	function
F is_node		getnext	function
F last_node		getprev	function
F length		getproperty	function
F new		getsubtype	function

has_attribute	function
has_field	function
has_glyph	function
hpack	function
id	function
insert_after	function
insert_before	function
is_node	function
kerning	function
last_node	function
length	function
ligaturing	function
mlist_to_hlist	function
new	function
next	function
prev	function
protect_glyphs	function
protrusion_skippable	function
remove	function
set_attribute	function
set_properties_mode	function
setfield	function
setProperty	function
slide	function
subtype	function
tail	function
tostring	function
traverse	function
traverse_id	function
type	function
types	function
unprotect_glyphs	function
unset_attribute	function
usedlist	function
vpack	function
whatsits	function
write	function

nodes (context)

accentcodes	data table	free_spec	function
aligned	function	getattr	function
append	function	getattribute	function
astable	function	getbox	function
basepoints	function	getchar	function
builders	table	getfield	function
F buildpage_filter		getfont	function
F vpack_filter		getid	function
codes	data table	getleader	function
concat	function	getlist	function
copy	function	getnext	function
copy_list	function	getprev	function
copy_spec	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		gonuts	boolean
T stack		handlers	table
dimensionfields	data table	F accessibility	
dimensions	function	F alignbackgrounds	
dir_is_pop	data table	F backgrounds	
dir_negation	data table	F characters	
disccodes	data table	F checkforleaks	
discretionarycodes	data table	F checkglyphs	
do_ligature_n	function	F cleanupbox	
end_of_math	function	F cleanuppage	
fasthpack	function	F export	
fencecodes	data table	F finalize	
fields	function	F migrate	
fillcodes	data table	F protectglyphs	
first_character	function	F stripping	
first_glyph	function	F unprotectglyphs	
firstcharacter	function	has_attribute	function
firstcharinbox	function	has_field	function
firstglyph	function	has_glyph	function
flush_list	function	hpack	function
flush_node	function	idstosting	function
free	function	ignorablefields	data table

injections	table	markers	table
F handler		F get	
F installnewkern		mathcodes	data table
F setcursive		maxboxwidth	function
F setkern		mlist_to_hlist	function
F setmark		new	function
F setpair		noadcodes	data table
insert_after	function	nodecodes	data table
insert_before	function	nopts	function
insert_list_after	function	nuts	table
installattributehandler	function	F append	
is_direct	function	F concat	
is_display_math	function	F copy	
is_mirrored	data table	F copy_list	
is_node	function	F count	
is_nut	function	F current_attr	
is_rotated	data table	F delete	
kerncodes	data table	F dimensions	
kerning	function	F do_ligature_n	
keys	table	F end_of_math	
T whatsit		F fasthpack	
last_node	function	F first_glyph	
leftmarginwidth	function	F firstcharacter	
ligaturing	function	F firstcharinbox	
lines	table	F firstglyph	
T boxed		F flush_list	
F register		F flush_node	
F setup		F free	
F stage_one		F getattr	
F stage_two		F getattribute	
F stage_zero		F getbox	
D data		F getchar	
F finalize		F getfield	
F number		F getfont	
N scratchbox		F getid	
link	function	F getleader	
linked	function	F getlist	
list	function	F getnext	
listablefields	data table	F getprev	
listcodes	data table	F getprop	
listtoutf	function	F getskip	
load	function	F getsubtype	
locate	function	F has_attribute	
margincodes	data table	F has_field	

F has_glyph	F register
F hpack	F rightmarginkern
F insert_after	F rightskip
F insert_before	F rule
F insert_list_after	F shrink
F is_direct	F special
F is_display_math	F stretch
F is_node	F temp
F is_nut	F textdir
F kerning	F usage
F last_node	T userids
F leftmarginwidth	N margins.inline
F ligaturing	N property
F link	N splitters.one
F linked	N splitters.two
F locate	F userlist
F mlist_to_hlist	F usernumber
F nestedtracedslide	F userstring
F new	F usertokens
T pool	F vlist
F baselineskip	F zeroglue
F cleanup	F prepend
F disc	F protect_glyphs
F fontkern	F protrusion_skippable
F glue	F reference
F gluespec	F remove
F glyph	F repackhlist
F hlist	F replace
F kern	F rightmarginwidth
F latelua	F set_attribute
F lateluafunction	F setattr
F leftmarginkern	F setattribute
F leftskip	F setattributes
F lineskip	F setbox
F negatedglue	F setfield
F noad	F setprop
F pdfannotation	F setunsetattributes
F pdfdestination	F slide
F pdfdirect	F somepenalty
F pdfliteral	F somespace
F pdfrestore	F tail
F pdfsave	F takebox
F pdfsetmatrix	F tonode
F penalty	F tonodes

- F tonut
- F tostring
- F tracedslide
- F traverse
- F traverse_id
- T typesetters
 - F fast_hpack
 - F hpack
 - F tohpack
 - F tohpackfast
 - F tonodes
 - F tovpack
 - F tovpackfast
 - F vpack
- F unprotect_glyphs
- F unset_attribute
- F unsetattribute
- F unsetattributes
- F untracedslide
- F usedlist
- F vianodes
- F vianuts
- F vpack
- F writable_spec
- F write
- packlist** function
- pardir_is_equal** data table
- pardir_is_opposite** data table
- pardir_is_parallel** data table
- partextdir_is_equal** data table
- penaltycodes** data table
- plugindata** table
 - F finalizer
 - F initializer
 - S name
 - T namespace
 - N attribute
 - D data
 - F enable
 - F handler
 - F register
 - D registered
 - D values
 - F processor

- points**
- pool**
 - F baselineskip
 - F cleanup
 - F glyph
 - F kern
 - F latelua
 - F lateluafunction
 - F lineskip
 - F pdfliteral
 - F pdfsetmatrix
 - F register
 - F rule
 - F special
 - F usage
 - T userids
 - N margins.inline
 - N property
 - N splitters.one
 - N splitters.two
 - F usernumber

function
table

- prepend**
- print**
- processors**

function
function
table

- B enabled
- F hpack_filter
- F post_linebreak_filter
- F pre_linebreak_filter
- F tracer

- processwords**
- properties**

function
table

- T actions
 - F delayed
 - F fdelayed
 - F immediate
- F attach
- T data
 - F delayed

- protect_glyphs**
- protrusion_skippable**
- pts**
- reference**
- references**

function
function
function
function
table

- N attribute

T done		F set	
F handler		striprange	function
T stack		tail	function
remove	function	takebox	function
repackhlist	function	tasks	table
replace	function	F actions	
report	function	F appendaction	
rightmarginwidth	function	F disableaction	
rules	table	F disablegroup	
D data		F enableaction	
F define		F enablegroup	
F enable		F freeze	
F handler		F freezegroup	
save	function	F new	
serialize	function	F prependaction	
serializebox	function	F removeaction	
set_attribute	function	F restart	
setattr	function	F setaction	
setattribute	function	F showactions	
setattributes	function	F table	
setbox	function	texmdir_is_equal	data table
setfield	function	texmdir_is_is	data table
setunsetattributes	function	texmdir_is_opposite	data table
shifts	table	texmdir_is_parallel	data table
D data		tobasepoints	function
F define		tocentimeters	function
F enable		tociceros	function
F handler		todidots	function
show	function	todimen	function
showboxes	function	toinches	function
showcodes	function	tomillimeters	function
showlist	function	tonewciceros	function
showsimplelist	function	tonewdidots	function
skipcodes	data table	tonode	function
slide	function	tonodes	function
snapshots	table	tonut	function
F getparameters		topicas	function
F getsamples		topoints	function
F resetsamples		toscaledpoints	function
F takesample		tosequence	function
somepenalty	function	tostring	function
somespace	function	totable	function
stripping	table	totree	function
T glyphs		toutf	function

tracers**table****traverse_id
typesetters****function
table**

T characters

F collect

F equal

F indices

F start

F string

F unicodes

T colors

F reset

F set

F setlist

F fontchar

T frequencies

F register

T pool

T nodes

F rule

T nuts

F rule

F resetproperties

F rule

F setlist

F setproperties

F start

T steppers

F check

F codes

F features

F font

F glyphs

F message

F messages

F nofsteps

F register

F reset

F start

F stop

F stop

T transparencies

F reset

F set

F setlist

traverse**function**

F hpack

F tohpack

F tohpackfast

F tonodes

F tovpack

F tovpackfast

F vpack

unprotect_glyphs**unset_attribute****unsetattribute****unsetattributes****usedlist****vianodes****vianuts****visualizebox****visualizers**

F box

F handler

F markfonts

F setfont

F setlayer

F setvisual

vpack**whatcodes****whatsitcodes****writable_spec****write**

function

function

function

function

function

function

function

function

table

function

data table

data table

function

function

number (context)

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

os (basic lua)

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

package (basic lua)

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

pagebuilders (context)

injections table

F flushafter
F flushbefore
F save

mixedcolumns table

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

pdf (basic tex)

getcatalog	function
gethpos	function
getinfo	function
getmatrix	function
getnames	function
getpageattributes	function
getpageresources	function
getpagesattributes	function
getpos	function
gettrailer	function
getvpos	function
hasmatrix	function
immediateobj	function
mapfile	function
mapline	function
maxobjnum	function
obj	function
objtype	function
pageref	function
print	function
refobj	function
registerannot	overloaded function
reserveobj	function
setcatalog	overloaded function
setinfo	overloaded function
setnames	overloaded function
setpageattributes	overloaded function
setpageresources	overloaded function
setpagesattributes	overloaded function
settrailer	overloaded function

pdfscanner (context)

scan function

physics (context)

units table

D tables

profiler (extra lua)

pause function
resume function
start function
stop function

publications (context)

addtexentry function

analyze function

authors table

F concat

F inverted

F invertedshort

F name

F normal

F normalshort

F preparedsort

F setsettings

F sorted

F splitstring

citevariants table

F author

F authornum

F authoryear

F authoryears

F category

F default

F index

F key

F num

F page

F serial

F short

F tag

F type

F year

collected data table

converttoxml function

datasets table

endnotes_to_btx function

enhance function

finder function

getindex function

lists table

F collectentries

F doifalreadyplaced

F fetchentries

F filterall

F flushentries

F nofregistered

F register

F registerplaced

F setmethod

T sorters

F author

F dataset

F reference

F short

listvariants table

F default

F num

F short

load function

loadbibdata function

loaders table

F bib

F endnote

F lua

F refman

F xml

markasupdated function

new function

parenttag function

refman_to_btx function

search function

singularorplural function

statistics table

N nofbytes

N nofdatasets

N nofdefinitions

N nofshortcuts

tracers table

F addfield

T categories

T article

T optional

T required

T book

T optional

- T required
- T booklet
 - T optional
 - T required
- T inbook
 - T optional
 - T required
- T incollection
 - T optional
 - T required
- T inproceedings
 - T optional
 - T required
- T manual
 - T optional
 - T required
- T mastersthesis
 - T optional
 - T required
- T misc
 - T optional
 - T required
- T phdthesis
 - T optional
 - T required
- T proceedings
 - T optional
 - T required
- T techreport
 - T optional
 - T required
- T unpublished
 - T optional
 - T required
- T citevariants
- T fields
- T listvariants
- F showdatasetcompleteness
- F showdatasetfields
- F showfields

regimes (context)

cleanup	function
disable	function
enable	function
pop	function
process	function
push	function
toregime	function
translate	function

resolvers (context)

allprefixes	function	findfile	function
appendhash	function	findfiles	function
automount	function	findgivenfile	function
automounted	table	findgivenfiles	function
booleanvariable	function	findpath	function
cacheversion	string	findtexfile	function
checkedvariable	function	findwildcardfile	function
cleanpath	function	findwildcardfiles	function
cleanpathlist	function	formatofsuffix	function
concatinators	data table	formatofvariable	function
configbanner	string	formats	data table
criticalvars	data table	generators	data table
dangerous	data table	getenv	function
datastate	function	getownpath	function
defaultsuffixes	table	getreadfilename	function
dowithfilesandreport	function	hashers	data table
dowithfilesintree	function	homedir	string
dowithpath	function	inputstack	table
dowithvariable	function	installinputfilehandler	function
env	function	installinputlinehandler	function
executers	table	instance	table
F check		D data	
F exec		B diskcache	
F execute		D environment	
F finalize		D expansions	
F popen		D fakepaths	
F register		D files	
F spawn		B force_suffixes	
expandbraces	function	D found	
expandedpathfromlist	function	D foundintrees	
expandedpathlist	function	D hashed	
expandedpathlistfromvariable	function	D hashes	
expandpath	function	D lists	
expandpathfromvariable	function	B loadererror	
expansion	function	D order	
extendtexmfvariable	function	B remember	
find_file	function	B renewcache	
find_files	function	B renewtree	
findbinfile	function	B savelists	
findctxfile	function	D setups	
finders	data table	D specification	

D variables		registerintrees	function
jobs	table	registermethod	function
F currentcomponent		registerzipfile	function
F currentenvironment		relations	data table
F currentproduct		renew	function
F currentproject		repath	function
F justacomponent		reset	function
D processors		resetextrapath	function
F productcomponent		resetresolve	function
F usefile		resolve	function
joinpath	function	savers	data table
load	function	scandata	function
loadbinfile	function	scanfiles	function
loaders	data table	schemes	table
loadlualib	function	T cleaners	
loadtexfile	function	F md5	
loadtime	function	F none	
locateformat	function	F strip	
locators	data table	F cleannname	
luacnfname	string	F fetchstring	
luacnfspec	string	F fetchtable	
luacnfstate	string	F install	
macros	table	setenv	function
F convertfile		setinstance	function
F decodecomment		showpath	function
F enablecomment		simplescanfiles	function
F encodecomment		splitconfigurationpath	function
F preprocessed		splitexpansions	function
F processmk		splitmethod	function
F processmkvi		splitpath	function
F version		suffixes	data table
maxreadlevel	number	suffixmap	data table
methodhandler	function	suffixofformat	function
newinstance	function	texdatablob	function
openbinfile	function	toppath	function
openers	data table	unexpandedpath	function
openfile	function	unexpandedpathlist	function
opentexfile	function	unresolve	function
ownpath	string	updaterelations	function
prefixes	data table	updatescript	function
prependhash	function	usezipfile	function
registerextrapath	function	validatedpath	function
registerfile	function	variable	function
registerfilehash	function	variableofformat	function

<code>variableofformatorsuffix</code>	function
<code>wildcardpattern</code>	function

scripts (context)

autofontfeature table
 F disable
 F enable
 F handler

categorytonumber data table

colors data table

decomposehangul function

defaults table
 N inter_char_half_shrink_factor
 N inter_char_half_stretch_factor
 N inter_char_hangul_penalty
 N inter_char_quarter_shrink_factor
 N inter_char_quarter_stretch_factor
 N inter_char_shrink_factor
 N inter_char_stretch_factor
 N inter_word_stretch_factor

handlers data table

hash table

injectors data table

installdataset function

installmethod function

numbertocategory data table

numbertodataset data table

numbertohandler data table

reset function

set function

splitters data table

set (context)

contains function
create function
tolist function
tonumber function
totable function

socket (extra lua)

BLOCKSIZE	number	S connection
_DEBUG	boolean	S content-description
_SETSIZE	number	S content-disposition
bind	function	S content-encoding
choose	function	S content-id
connect	function	S content-language
connect4	function	S content-length
connect6	function	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 age		S max-forwards
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
S cc		S proxy-authorization
S comments		S range

S received
 S received-from-mta
 S references
 S referer
 S remote-mta
 S reply-to
 S reporting-mta
 S resent-bcc
 S resent-cc
 S resent-date
 S resent-from
 S resent-message-id
 S resent-reply-to
 S resent-sender
 S resent-to
 S retry-after
 S return-path
 S sender
 S server
 S smtp-remote-recipient
 S status
 S subject
 S te
 S to
 S trailer
 S transfer-encoding
 S upgrade
 S user-agent
 S vary
 S via
 S warning
 S will-retry-until
 S www-authenticate
 S x-mailer

http table

N PORT
 N TIMEOUT
 S USERAGENT
 F open
 F request

newtry function
protect function
select function
sink function

sinkt table

F close-when-done
 F default
 F http-chunked
 F keep-open

skip function

sleep function

smtp table

S DOMAIN
 N PORT
 S SERVER
 N TIMEOUT
 S ZONE
 F message
 F open
 F send

source function

sourcet table

F by-length
 F default
 F http-chunked
 F until-closed

tcp function

tcp6 function

tp table

N TIMEOUT
 F connect

try function

udp function

udp6 function

url table

F absolute
 F build
 F build_path
 F escape
 F parse
 F parse_path
 F unescape

sorters (context)

basicsorter function

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitsoffset

 N ignoredoffset

 N replacementoffset

 T validmethods

 B ch

 B mc

 B mm

 B pc

 B pm

 B uc

 B zc

 B zm

definitions data table

firstofsplit function

setlanguage function

sort function

splitters table

 F utf

strip function

tracers data table

update function

statistics (context)

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

status (basic tex)

list function

storage (context)

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

streams (context)

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

string (basic lua)

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

structures (context)

atlocation	function	F setlevel	
blocks	table	F setoffset	
D collected		F setown	
F define		F setstate	
F print		F setvalue	
F save		T specials	
F select		F userpage	
F setstate		F subs	
D states		D tobesaved	
D tobesaved		F value	
bookmarks	table	currentsectionnumber	function
F finalize		descriptions	table
F flatten		documents	table
S method		D data	
F overload		F initialize	
F place		F preset	
F register		F reset	
F setup		floats	table
counters	table	formulas	table
F add		F current	
F analyze		F simplify	
F check		F store	
D collected		helpers	table
F compact		F analyze	
F converted		F formulanumber	
F currentvalue		F merged	
D data		F page	
F define		F prefix	
F first		F prefixlastpage	
F get		F prefixpage	
F last		F simplify	
F next		F title	
F prev		F touserdata	
F previous		inserts	table
F raw		D data	
F record		F define	
F reset		F getdata	
F restart		F getlocation	
F restore		F getname	
F save		F getnumber	
F set		F setlocation	

F setup	
D stored	
itemgroups	table
F maxwidth	
F nofitems	
F register	
lists	table
F addto	
F analyze	
B autoreorder	
D cached	
D collected	
F discard	
F enhance	
T enhancers	
F filter	
F filtercollected	
F formulainumber	
F groupindex	
F hasnumberdata	
F haspagedata	
F hastitledata	
F iscached	
F label	
F location	
F number	
D ordered	
F page	
F popnesting	
F prefix	
F prefixednumber	
F prefixedpage	
F process	
D pushed	
F pushnesting	
F realpage	
F reordered	
T result	
D sectionblocks	
F sectionnumber	
F size	
F title	
D tobesaved	
F userdata	

F uservalue	
marks	table
D data	
F define	
F exists	
F fetch	
F fetchallmarks	
F fetched	
F fetchonemark	
F fetchtwomarks	
F get	
F number	
F relate	
F reset	
F set	
F show	
F synchronize	
F title	
T tracers	
F showtable	
notes	table
F checkpagechange	
F define	
F doifonsamepageasprevious	
F get	
F getdeltapage	
F getn	
F getnumberpage	
F getstate	
F getsymbolpage	
F hascontent	
F internal	
F internalid	
F listindex	
F ordered	
F postpone	
F resetpostponed	
F restore	
F save	
F setstate	
F setsymbolpage	
D states	
F store	
pages	table

- F analyze
- D collected
- F is_odd
- N nopages
- F number
- F save
- D tobesaved

references

table

- F analyze
- F checkedfile
- F checkedfileorurl
- F checkedprogram
- F checkedrealpage
- F checkedurl
- D collected
- U componentsplitter
- F currentmetadata
- F currentorder
- D currentset
- F define
- D defined
- D derived
- F enableinteraction
- F enhance
- D executors
- F expandcurrent
- F export
- T files
 - T data
 - F define
 - F get
- F filter
- F filterdefault
- D filters
- D flaginternals
- F from
- F get
- F getcurrentmetadata
- F getcurrentprefixspec
- F getinnermethod
- F getinternallistreference
- F getinternalreference
- D handlers
- F identify

- F import
- F inject
- F injectcurrentset
- S innermethod
- D internals
- F load
- F loadpresets
- F mark
- D pages
- U prefixsplitter
- D productdata
- T programs
 - T data
 - F define
 - F get
- F realpageofpage
- U referencesplitter
- D referred
- F referredpage
- F registerfinalizer
- F registerinitializer
- F registerpage
- F reportproblems
- F reset
- D runners
- F set
- F setandgetattribute
- F setcomponent
- F setinnermethod
- F setinternalreference
- F setnextinternal
- F setnextorder
- D specials
- F splitcomponent
- F splitprefix
- F splitreference
- T testrunners
 - F inner
 - F special
 - F special operation
 - F special operation with arguments
- T testspecials
 - F deltapage
 - F i

- F internal
- F page
- F realpage
- F section
- F userpage
- D tobereferred
- D tobesaved
- T urls
- T data
- F define
- F get
- D usedinternals
- D usedviews
- F valid
- F whatfrom

registers

- F analyze
- D collected
- F compare
- F define
- F enhance
- F extend
- F filter
- F filtercollected
- F finalize
- F flush
- F prepare
- F process
- F setmethod
- F sort
- F store
- D tobesaved
- F unique
- F userdata

sections

- F autodepth
- F cct
- D collected
- F current
- F currentblock
- F currentid
- F currentlevel
- F depthnumber
- F finddata

table

- F findnumber
- F fullnumber
- F getcurrentlevel
- F getlevel
- F getnumber
- F internalreference
- D levelmap
- D levels
- F load
- F matchingtilldepth
- F numberatdepth
- F numbers
- F popblock
- F prefixedconverted
- F pushblock
- F register
- D registered
- F reportstructure
- F save
- T sectionblockdata
- T bodypart
- S bookmark
- F set
- F setblock
- F setchecker
- F setentry
- F setlevel
- F setnumber
- F structuredata
- F title
- D tobesaved
- F typesetnumber
- F userdata
- B verbose

sets

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

specials

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

table

table

synonyms

table

D taglist

T userdata

F analyzed
D collected
F compare
F define
F filter
F finalize
F flush
F meaning
F prepare
F process
F register
F registerused
F sort
F synonym
D tobesaved

tags

table

T data
F detailedtag
F getid
F handler
D labels
F last
F lastinchain
T metadata
D properties
F registerdata
F registermetadata
F restart
F setattributehash
F setcombination
F setdescription
F setdescriptionsymbol
F setfigure
F sethighlight
F setitemgroup
F setproperty
F setsorting
F setsynonym
F settablecell
F settabulatecell
F start
F stop

table (basic lua)

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

tex (basic tex)

attribute	table	isdefined	data table
badness	function	isdimen	function
box	table	isskip	function
catcode	table	istoken	function
conditionals	data table	lccode	table
constants	data table	linebreak	function
count	table	lists	table
ctdcatcodes	number	lua_math_random	function
ctxcatcodes	number	lua_math_randomseed	function
definefont	function	luacatcodes	number
delcode	table	mathcode	table
dimen	table	modes	data table
directives	data table	nest	table
enableprimitives	function	nilcatcodes	number
error	function	normal_rand	function
extraprimitives	function	notcatcodes	number
finish	function	number	function
fontidentifier	function	pdffontname	function
fontname	function	pdffontobjnum	function
fprint	function	pdffontsize	function
get	function	pdfpageref	function
getattribute	function	pdfxformname	function
getbox	function	primitives	function
getcatcode	function	print	function
getcount	function	printlist	function
getdelcode	function	prtcacodes	number
getdimen	function	romannumeral	function
getlccode	function	round	function
getlist	function	run	function
getmath	function	scale	function
getmathcode	function	set	function
getnest	function	set_experimental_code	function
getsfcode	function	setattribute	function
getskip	function	setbox	function
gettoks	function	setcatcode	function
getuccode	function	setcount	function
hashtokens	function	setdelcode	function
ifs	data table	setdimen	function
inicalcodes	number	setlccode	function
init_rand	function	setlist	function
iscount	function	setmath	function

setmathcode	function
setnest	function
setsfcode	function
setskip	function
settoks	function
setuccode	function
sfcode	table
shipout	function
show_context	function
skip	table
sp	function
sprint	function
systemmodes	data table
takebox	function
texcatcodes	number
toks	table
tpacatcodes	number
tpbcatcodes	number
tprint	function
trackers	data table
txtcatcodes	number
type	function
uccode	table
uniform_rand	function
uniformdeviate	function
uprint	function
vrbcacodes	number
write	function

texconfig (basic tex)

error_line	number
expand_depth	number
formatname	string
half_error_line	number
hash_extra	number
init	overloaded function
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
stack_size	overloaded number

texio (basic tex)

`write` function

`write_nl` function

token (basic tex)

command_id	function
command_name	function
create	function
csname_id	function
csname_name	function
expand	function
get_next	function
is_activechar	function
is_expandable	function
is_protected	function
lookup	function

tokens (context)

bgroup table

collectors table

 T data

 F defaultwords

 F dowithwords

 F flush

 F handle

 F install

 F register

 T registered

 T remapper

 F convert

 T data

 F store

 F show

 T show_methods

 F a

 F b

 F c

 F showtoken

 F test

 F trace

egroup table

hbox table

letter function

letters function

other function

vbox table

vtop table

tracers (context)

count	function
cs	function
dimen	function
knownlist	function
lists	table

T context

T internals

T scratch

name	function
primitive	function
prnterror	function
showlines	function
strings	table

S undefined

toks	function
type	function

trackers (context)

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

- U pair
- F splitspecification
- margins** table
 - F finalhandler
 - F globalhandler
 - F ha
 - F localhandler
 - F save
- processors** table
 - F apply
 - F register
 - F reset
 - F split
 - F startapply
 - F stopapply
 - F stripped
 - F tostring
- spacings** table
 - F define
 - F handler
 - D mapping
 - T numbers
 - T frenchpunctuation
 - T characters
 - S name
 - N number
 - F reset
 - F set
 - F setup
- xtables** table
 - F cleanup
 - F construct
 - F create
 - F flush
 - F initialize_construct
 - F initialize_reflow_height
 - F initialize_reflow_width
 - F next_row
 - F reflow_height
 - F reflow_width
 - F set_construct
 - F set_reflow_height
 - F set_reflow_width

unicode (extra lua)

ascii table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub
F len
F lower
F match
F rep
F reverse
F sub
F upper

grapheme table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub
F len
F lower
F match
F rep
F reverse
F sub
F upper

latin1 table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub

F len
F lower
F match
F rep
F reverse
F sub
F upper

utf8 table

F byte
F char
F characters
F chrln
F count
F dump
F filetype
F find
F format
F gfind
F gmatch
F gsub
F is_valid
F len
F length
F lower
F magic
F match
F remapper
F rep
F replacer
F reverse
F split
F splitlines
F sub
F subtituter
F tocodes
F toeight
F toentities
F toString
F totable
F upper
F ustring

- F utf16_to_utf8
- F utf16_to_utf8_be
- F utf16_to_utf8_le
- F utf32_to_utf8
- F utf32_to_utf8_be
- F utf32_to_utf8_le
- F utf8_to_utf16
- F utf8_to_utf16_be
- F utf8_to_utf16_le
- F utf8_to_utf8
- 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

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

formatters table

- F formatcolumns
- F list
- F stripzeros

garbagecollector table

- F check
- N criterium
- B enabled

lua table

- B alwaysstripcode
- F compile
- F loadedluacode
- F loadstripped
- N nofstrippedbytes
- N nofstrippedchunks
- B stripcode
- T strippedchunks
- F strippedloadstring
- T suffixes
 - S lua
 - S luc
 - S lui
 - S luj
 - S luv
 - S tma
 - S tmc
 - S tua
 - S tuc

packers table

- F hashed
- F new
- F pack
- F simplehashed
- F strip
- F unpack

N version

parsers table

- F add_settings_to_array
- F arguments_to_table
- F array_to_string
- F csvsplitter
- F getparameters
- F hash_to_string
- F iterator
- F keq_to_hash
- F listitem
- F make_settings_to_hash_pattern
- F mergehashes
- F options_to_hash
- T patterns
 - U settings_to_array
 - U settings_to_hash_a
 - U settings_to_hash_b
 - U settings_to_hash_c
 - U unittotex
- F process_stripped_settings
- F rfc4180splitter
- F runtime
- F settings_to_array
- F settings_to_array_with_repeat
- F settings_to_hash
- F settings_to_hash_strict
- F settings_to_hash_tolerant
- F settings_to_set
- F simple_hash_to_string
- F splitthousands
- F stepper
- F stripped_settings_to_array
- F unittotex
- F unittotxml

report function

sequencers table

- F appendaction
- F appendgroup
- F compile
- F disableaction

F disablegroup	U retain and no empty
F enableaction	F striplines
F enablegroup	F striplong
D functions	F tabtospace
F localize	T tracers
F new	tables table
F nodeprocessor	F accesstable
F prependaction	F definedtable
F prependgroup	F definetable
F removeaction	F encapsulate
F setkind	F insertaftervalue
F tostring	F insertbeforevalue
setters table	F migratetable
F disable	F removevalue
F enable	templates table
F initialize	F load
F list	F replace
F new	F replacer
F register	F resolve
F report	
F reset	
F show	
stacker table	
F new	
storage table	
F allocate	
F checked	
F mark	
F marked	
F setinitializer	
F sparse	
strings table	
F collapsecrlf	
T formatters	
F add	
F new	
F newrepeater	
F nice	
T striplinepatterns	
U prune	
U prune and collapse	
U prune and no empty	
U retain	
U retain and collapse	

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

xml (context)

addentitiesdoctype	function	D tex	
after	function	D texline	
all	function	D texspace	
applylpath	function	D verbose	
assign	function	defaultprotocol	string
attribute	function	delete	function
before	function	delete_element	function
body	function	each	function
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 lower	
collect_texts	function	F name	
collected	function	F number	
collecttexts	function	F oneof	
content	function	F print	
convert	function	F quit	
copy	function	F tag	
count	function	F text	
cprint	function	F undefined	
css	table	F upper	
F colorspecification		fillin	function
F dimension		filter	function
F fontspecification		finalizers	table
F padding		F paragraphs	
defaulthandlers	table	T tex	
D file		F all	
D parsedxml		F attribute	
D string		F chainattribute	

F command	F table	
F concat	F tag	
F concatrange	F tags	
F context	F text	
F count	F texts	
F ctxtext	F upperall	
F default	first	function
F first	found	function
F function	functions	table
F index	getbuffer	function
F last	gethandlers	function
F lettered	gethandlersfunction	function
F lower	helpers	table
F lowerall	F recursetext	
F match	include	function
F name	index	function
F position	inheritedconvert	function
F reverse	inject	function
F stripped	inject_element	function
F tag	inject_element_after	function
F tags	inject_element_before	function
F text	injectafter	function
F upper	injectbefore	function
F upperall	insert	function
T xml	insert_element	function
F all	insert_element_after	function
F att	insert_element_before	function
F attribute	insertafter	function
F attributes	insertbefore	function
F cdata	insertcomment	function
F chainattribute	inspect	function
F count	is_valid	function
F default	kind	function
F elements	last	function
F empty	load	function
F first	lpath	function
F function	lpathcached	function
F index	lpathcalls	function
F last	lshow	function
F lowerall	makestandalone	function
F match	match	function
F name	name	function
F position	newhandlers	function
F reverse	nodesettostring	function

originalload	function	stripelement	function
package	function	stripleadingspaces	function
parent	function	table	function
parsedentitylpeg	userdata	text	function
pihandlers	table	textonly	function
placeholders	table	texttocdata	function
F unknown_any_entity		tocdata	function
F unknown_dec_entity		toelement	function
F unknown_hex_entity		tostring	function
position	function	toxml	function
privatecodes	table	tprint	function
privatetoken	function	traverse	function
process	function	unescaped	function
process_attributes	function	unprivatized	function
process_elements	function	withelement	function
processattributes	function	withelements	function
profiled	table	wrap	function
raw	function	xmlns	table
registerentity	function		
registerns	function		
remap_name	function		
remap_namespace	function		
remap_tag	function		
remapname	function		
remapnamespace	function		
remaptag	function		
renamespace	function		
replace	function		
replace_element	function		
resolvns	function		
root	function		
save	function		
selection	function		
separate	function		
serialize	function		
setcdata	function		
sethandlersfunction	function		
setproperty	function		
settings	function		
specialhandler	table		
sprint	function		
string	function		
strip	function		
strip_whitespace	function		

zip (extra lua)

archives	table
close	function
closearchive	function
open	function
openarchive	function
openfile	function
registeredfiles	table
type	function

zlib (extra lua)

adler32	function
compress	function
compressobj	function
crc32	function
decompress	function
decompressobj	function
version	function