

attributes backends bibtex 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 job lang languages layouts
lfs libraries lmx logs lpdf lpeg ltn12
lua luatex lxml math mathematics mbox
md5 metapost mime moduledata modules
mplib noads node nodes number os package
pagebuilders parametersets pdf
pdfscanner physics profiler 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

ConTExT MkIV

global (alias: _G)

<code>_MAJORVERSION</code>	number	<code>font</code>	table
<code>_MINORVERSION</code>	number	<code>fontloader</code>	table
<code>arg</code>	table	<code>fonts</code>	table
<code>assert</code>	function	<code>formatter</code>	function
<code>attributes</code>	table	<code>frozen</code>	boolean
<code>backends</code>	table	<code>functions</code>	table
<code>beginpage</code>	function	<code>getmetatable</code>	function
<code>bibtex</code>	table	<code>getreadfilename</code>	function
<code>bit32</code>	table	<code>global</code>	table
<code>blobs</code>	table	<code>graphics</code>	table
<code>boolean</code>	table	<code>gzip</code>	table
<code>buffers</code>	table	<code>img</code>	table
<code>builders</code>	table	<code>inspect</code>	function
<code>caches</code>	table	<code>interactions</code>	table
<code>callback</code>	table	<code>interfaces</code>	table
<code>callbacks</code>	table	<code>io</code>	table
<code>catcodes</code>	table	<code>ipairs</code>	function
<code>characters</code>	table	<code>job</code>	table
<code>chemistry</code>	table	<code>lang</code>	table
<code>collectgarbage</code>	function	<code>languages</code>	table
<code>commands</code>	table	<code>layouts</code>	table
<code>containers</code>	table	<code>lfs</code>	table
<code>context</code>	function	<code>libraries</code>	table
<code>converters</code>	table	<code>lmx</code>	table
<code>coroutine</code>	table	<code>lmxconvert</code>	function
<code>ctxrunner</code>	table	<code>lmxnew</code>	function
<code>debug</code>	table	<code>load</code>	function
<code>dimen</code>	function	<code>loadfile</code>	function
<code>dir</code>	table	<code>loadstring</code>	function
<code>directives</code>	table	<code>logs</code>	table
<code>document</code>	table	<code>lp_fastpos_n</code>	userdata
<code>documentdata</code>	table	<code>lp_fastpos_p</code>	userdata
<code>dofile</code>	function	<code>lpdf</code>	table
<code>endpage</code>	function	<code>lpeg</code>	table
<code>environment</code>	table	<code>ltn12</code>	table
<code>epdf</code>	table	<code>lua</code>	table
<code>error</code>	function	<code>luatex</code>	table
<code>experiments</code>	table	<code>lxml</code>	table
<code>figures</code>	table	<code>math</code>	table
<code>file</code>	table	<code>mathematics</code>	table
<code>floats</code>	table	<code>mbox</code>	table

md5	table	setmetatable	function
metapost	table	socket	table
mime	table	sorters	table
module	function	statistics	table
moduledata	table	status	table
modules	table	storage	table
mplib	table	streams	table
newline	function	string	table
next	function	stripmath	function
noads	table	structures	table
node	table	table	table
nodes	table	tex	table
number	table	texconfig	table
optionalrequire	function	texio	table
os	table	thirddata	table
outputpagestree	function	toboollean	function
package	table	token	table
pagebuilders	table	tokens	table
pairs	function	tonumber	function
parametersets	table	tostring	function
pcall	function	trace_characters	boolean
pdf	table	traceback	function
pdfscanner	table	tracers	table
physics	table	trackers	table
print	function	type	function
profiler	table	typesetters	table
protect	function	unicode	table
rawequal	function	unpack	function
rawget	function	url	table
rawlen	function	userdata	table
rawset	function	utf	table
regimes	table	utilities	table
report_characters	function	vf	table
require	function	visualizers	table
resolvers	table	xml	table
scripts	table	xmlconvert	function
select	function	xpcall	function
set	table	zip	table
setinspector	function	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 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 function effects table

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

handlers table list data table names data table negatives table

- N attribute

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

backends (context)

codeinjections table

F synchronizecolormodel

current string

defaults table

T codeinjections

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 finalizepage

F finishreference

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F getoutputfilename

F getpreviewfigure

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 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 getspotcolorreference
F rgbcolor	F grayindexcolor
F spotcolor	F grayspotcolor
F startlayer	F rgbindexcolor
F startstackedlayer	F rgbspotcolor
F stoplayer	F spotcolorname
F stopstackedlayer	F transparency
F transparency	T tables
F typesetfield	D vfspecials
T registrations	registrations table
F cmykindexcolor	tables table
F cmykspotcolor	

bibtex (context)

authorref	function	F flush	
authors	table	F nofregistered	
F concat		F process	
F inverted		F register	
F invertedshort		F registerplaced	
F normal		F reset	
F normalshort		F resolve	
F setsettings		load	function
F short		new	function
authoryearref	function	singularorplural	function
authoryearsref	function	statistics	table
convert	function	N nofbytes	
hacks	table	N nofdefinitions	
F add		N nofshortcuts	
F doifalreadypaced		toxml	function
F filterall			

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
write function

boolean (context)

tocontext function

tonumber function

buffers (context)

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

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 default
 - F oneline
- D names
- D numbers
- F set
- F start
- F stop
- F keptogether
- 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 setmap
- F setskip
- F snapbox
- F tocategories
- F tocategory
- F vboxhandler

cache (context)

ask	boolean	is_writable	function
base	string	loadcontent	function
collapsecontent	function	loaddata	function
configfiles	function	more	string
contentstate	function	relocate	boolean
defaults	table	savecontent	function
define	function	savadata	function
direct	boolean	setfirstwritablefile	function
force	boolean	setluanames	function
getfirstreadablefile	function	tree	string
getreadablepaths	function	treehash	function
getwritablepath	function	usedpaths	function
hashed	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	lccode	function
adobename	function	lccodes	data table
bidirectional	data table	lettered	function
blocks	data table	lower	function
casemap	table	makeactive	function
categories	data table	math	table
category	function	mathpairs	data table
categorytags	data table	otfscripts	data table
combined	data table	ranges	data table
contextname	function	registerentities	function
data	data table	remap_hangul_syllable	function
decomposed	data table	remapentity	function
define	function	safechar	function
description	function	setcodes	function
descriptions	data table	shape	function
directions	table	shaped	function
encodes	data table	shchars	data table
entities	data table	shcodes	data table
fallbacks	data table	specialchars	data table
filters	data table	specials	data table
fromnumber	function	subscripts	table
fschars	data table	superscripts	table
fscodes	data table	synonyms	data table
getrange	function	tex	table
graphemes	data table	D accentmapping	
hangul	data table	F defineaccents	
initialize	function	F toutf	
is_character	data table	tonumber	function
is_command	data table	ucchars	data table
is_letter	data table	uccode	function
is_mark	data table	uccodes	data table
is_spacing	data table	unicodechar	function
lcchars	data table	upper	function

chemistry (context)

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

commands (context)

Alphabetic	function	autofinishstructurelevels	function
Character	function	autonextspace	function
Characters	function	autonextstructurelevel	function
MPc	function	autosetups	function
MPd	function	autostarttext	function
MPh	function	autostoptext	function
MPLl	function	bcolumn	function
MPlr	function	boolcase	function
MPls	function	character	function
MPn	function	characters	function
MPp	function	checkcharactersinfont	function
MPpardata	function	checkcountersetup	function
MPplus	function	checkedconversion	function
MPpos	function	checkedpagefloat	function
MPposset	function	checktwopassdata	function
MPr	function	chemicalcomponent	function
MPrest	function	chineseallnumerals	function
MPrs	function	chinesecapnumerals	function
MPul	function	chinesenumerals	function
MPur	function	cleanfontname	function
MPw	function	cleanupplayers	function
MPx	function	clonefield	function
MPxy	function	collectfloat	function
MPxywhd	function	collecthelp	function
MPy	function	colorcomponents	function
Romannumerals	function	concatcommalist	function
abjadnodotnumerals	function	consultfloat	function
abjadnumerals	function	copyfiletolog	function
addcounter	function	copyposition	function
addff	function	cos	function
addfs	function	cosd	function
addlinklistelement	function	countervalue	function
addtojavascriptpreamble	function	counttwopassdata	function
addtolist	function	currentcomponent	function
allinputpaths	function	currentdate	function
alphabetic	function	currentenvironment	function
analysefloatmethod	function	currentproduct	function
analyzelist	function	currentproject	function
applytochars	function	currentreferenceorder	function
applytowords	function	currentregime	function
assignbuffer	function	datasetvariable	function

dayname	function	discardfromlist	function
defineattribute	function	doanalyzeframedbox	function
definebibtexsession	function	doif	function
definebreakpoint	function	doifblackelse	function
definebreakpoints	function	doifcommonelse	function
definecharacterspacing	function	doifcounter	function
definechemical	function	doifdimenstringelse	function
defineconversion	function	doifdrawingblackelse	function
definecounter	function	doifelse	function
definedviewerlayer	function	doifelsebuffer	function
definefield	function	doifelsecontinewithfile	function
definefieldset	function	doifelsecounter	function
definefilefallback	function	doifelsecurrentfonthasfeature	function
definefilesynonym	function	doifelseintwopassdata	function
definefont_one	function	doifelsemarking	function
definefont_two	function	doifelsemessage	function
definefontfeature	function	doifelsemultipar	function
definefontsolution	function	doifelseparallel	function
defineinsertion	function	doifelsepositionsused	function
defineintermediatecolor	function	doifelserangeonpage	function
definelabels	function	doifelserreference	function
definelanguage	function	doifelsesavedfloat	function
definelinkedlist	function	doifelsespaces	function
definemarking	function	doifelseutfmathaccent	function
definemultitonecolor	function	doifelsevisualizer	function
definenote	function	doiffielddcategoryelse	function
defineparallel	function	doiffielddelse	function
defineparbuilder	function	doiffielddsetelse	function
defineprocesscolor	function	doiffiledefinedelse	function
defineprogram	function	doiffileexistelse	function
definereference	function	doiffirstcharelse	function
definesectionlevels	function	doifinputfileelse	function
definespotcolor	function	doifinsetelse	function
definestructureblock	function	doifleapyearelse	function
definestructureset	function	doiflisthasentry	function
definetransparency	function	doiflisthasnumberelse	function
definewtwopasslist	function	doiflisthaspageelse	function
defineviewerlayer	function	doiflisthastitleelse	function
defrostrandomseed	function	doiflocfileelse	function
digits	function	doifnot	function
disableautofontscript	function	doifnotcounter	function
disableparbuilder	function	doifnotecontent	function
disableregime	function	doifnoteonsamepageasprevious	function
disablesPELLchecking	function	doifobjectreferencefoundelse	function

doifolderversionelse	function	figurestatus	function
doifoverlappingelse	function	figureused	function
doifparentfileelse	function	figurevariable	function
doifposition	function	filterdefaultreference	function
doifpositionelse	function	filterreference	function
doifpositiononpage	function	finalizebox	function
doifpositionsonsamepageelse	function	findtwopassdata	function
doifpositionsonthispageelse	function	firstcountervalue	function
doifurldefinedelse	function	firstinset	function
doprocесstypescriptfile	function	flushfloat	function
doreshapeframedbox	function	flushnotes	function
dostarttextfile	function	flushpostponedblocks	function
dostoptextfile	function	flushpostponednotes	function
ecolumn	function	fontchar	function
elapsedtime	function	fontcollectionclone	function
enableautofontscript	function	fontcollectiondefine	function
enablecolor	function	fontcollectionprepare	function
enablecolorintents	function	fontcollectionregister	function
enablefontcolorschemas	function	fontcollectionreport	function
enableparbuilder	function	fontcollectionreset	function
enableregime	function	fontlookupgetkey	function
enablesPELLchecking	function	fontlookupgetkeyofindex	function
enabletransparency	function	fontlookupinitialize	function
enhancelinkedlist	function	fontlookupnoffound	function
enhancelist	function	forceendjob	function
enhancereference	function	forcequitjob	function
erasebuffer	function	format	function
expandcurrentreference	function	formatcolor	function
exportformdata	function	formatgray	function
exportreferences	function	freezerandomseed	function
extensiblecode	function	from	function
featureattribute	function	getbuffer	function
featurelist	function	getbuffercctlua	function
feedback	function	getbuffermkvi	function
fetchallmarks	function	getcommandline	function
fetchmultipar	function	getctxfile	function
fetchmultishape	function	getcurrentprefixspec	function
fetchonemark	function	getcurrentreferencemetadata	function
fetchposboxes	function	getdefaultfieldvalue	function
fetchtwomarks	function	getfieldcategory	function
figurefilename	function	getfirstcharacter	function
figurefilepath	function	getfirsttwopassdata	function
figurefiletype	function	getfloatvariable	function
figurerequest	function	getinternalreference	function

getlasttwopassdata	function	installtextracker	function
getmarking	function	languagenumber	function
getmessage	function	lastcountervalue	function
getmpextensions	function	lchexnumber	function
getnotestate	function	lchexnumbers	function
getprivateattribute	function	leapyear	function
getprivatechar	function	linenumbersstageone	function
getprogram	function	linenumbersstagetwo	function
getrandomcounta	function	listlabel	function
getrandomcountb	function	listlocation	function
getrandomseed	function	listprefixednumber	function
getreadfilename	function	listprefixedpage	function
getsubstring	function	listrealpage	function
gettexbuffer	function	listsize	function
gettwopassdata	function	listtitle	function
gettwopassdatalist	function	listuserdata	function
geturl	function	loadexamodes	function
grabbuffer	function	loadfontgoodies	function
helpaction	function	loadspellchecklist	function
helpreference	function	loadtypescriptfile	function
hexstringtonumber	function	loadvisualizer	function
horizontalcode	function	locatefilepath	function
hour	function	locfilename	function
hyphenatedlist	function	logoptions	function
hyphenatedurl	function	markfonts	function
D characters		markregionbox	function
N lefthyphenmin		mathrenderset	function
D mapping		maxitemwidth	function
N righthyphenmin		minute	function
F setcharacters		mixcleanup	function
incrementedcounter	function	mixfinalize	function
initializetexdirectives	function	mixflushlist	function
initializetextrackers	function	mixflushrest	function
injectcurrentreference	function	mixgetsplitted	function
injectreference	function	mixsetsplitted	function
inlinechemical	function	mixstate	function
insertattachment	function	molecule	function
insertcomment	function	month	function
insertfield	function	monthmnem	function
insertionnumber	function	monthname	function
insertrenderingwindow	function	mpcolor	function
insertsoundclip	function	mpoptions	function
installedlanguages	function	namedstructureuservariable	function
installtexdirective	function	namedstructurevariable	function

nbfs	function	processbuffer	function
nextcountervalue	function	processedfile	function
nextparallel	function	processedfiles	function
nofdays	function	processfile	function
nofitems	function	processfilemany	function
nofstackedfloats	function	processfilenone	function
notedeltapage	function	processfileonce	function
notelistindex	function	processlist	function
notenumberpage	function	pushfloat	function
noteprefixednumber	function	pushitaliccorrection	function
notesymbolpage	function	pushlist	function
notetitle	function	pushregime	function
ntimes	function	pushsectionblock	function
number	function	rawcharacter	function
numbers	function	rawcountervalue	function
objectnumber	function	rawdate	function
objectpage	function	referencepagestate	function
octnumber	function	referencerealpage	function
octstringtonumber	function	registerattachment	function
ordinal	function	registerbibtexentry	function
overloadbookmark	function	registerbibtexfile	function
pagestaterealpage	function	registerbookmark	function
parpos	function	registerbuttons	function
pdfrotation	function	registercolor	function
percentageof	function	registercolorintent	function
pgfxcolorspec	function	registeredviewerlayer	function
placeparallel	function	registerhelp	function
popfloat	function	registeritemgroup	function
popitaliccorrection	function	registerlinenumbering	function
poplist	function	registermaintextcolor	function
popregime	function	registernamespace	function
popsectionblock	function	registerpostponedblock	function
pos	function	registerrendering	function
posplus	function	registersoundclip	function
posstrut	function	registerstructureprocessor	function
postponenotes	function	registertransparency	function
poswhd	function	registerunit	function
posxy	function	relatemarking	function
prepareMPvariable	function	removemissingcharacters	function
preparebibtexsession	function	renderingvar	function
preparedfile	function	replacemissingcharacters	function
presetsymbollist	function	replacepospxywhd	function
presettabulate	function	resavefloat	function
prevcountervalue	function	resetcounter	function

resetfontfeature	function	setdocumentenvironments	function
resetfontsolution	function	setdocumentfilenames	function
resetmarking	function	setdocumentmodes	function
resetmathitalics	function	setdocumentmodules	function
resetnullfont	function	setfigurelookuporder	function
resetparallel	function	setfontfeature	function
resetreference	function	setfontofid	function
resetstructureprocessor	function	setfontsolution	function
resettimer	function	setformat	function
restartcounter	function	setformsmethod	function
restorecounter	function	setinsertionlocation	function
restorecurrentattributes	function	setinterfaceconstant	function
restorenote	function	setinterfaceelement	function
romannumerals	function	setinterfacemessage	function
runbuffer	function	setinterfacemessages	function
safechar	function	setinterfacevariable	function
savebuffer	function	setinternalreference	function
savecounter	function	setlanguageexceptions	function
savecurrentattributes	function	setlanguagesynonym	function
savedlistnumber	function	setlayer	function
savedlistprefixednumber	function	setmarking	function
savedlisttitle	function	setmathalphabet	function
savefloat	function	setmathalternate	function
savenote	function	setmathattribute	function
saveobject	function	setmathitalics	function
saveparallel	function	setmathstyle	function
savestructureblock	function	setnextinternalreference	function
savetaggedtwopassdata	function	setnotestate	function
savetwopassdata	function	setnotesymbolpage	function
second	function	setobject	function
selectstructureblock	function	setopendocumentaction	function
setbreakpoints	function	setopenpageaction	function
setcharactercasing	function	setowncounter	function
setcharactercleaning	function	setpagestate	function
setcharacterkerning	function	setpagestaterealpageno	function
setcharacterspacing	function	setpagetransition	function
setcharacterstripping	function	setparbuilder	function
setcloseddocumentaction	function	setpos	function
setclosepageaction	function	setrandomseed	function
setcolormodel	function	setrealign	function
setcounter	function	setreferencearguments	function
setdataset	function	setreferenceattribute	function
setdigitsmanipulation	function	setreferenceoperation	function
setdirection	function	setsectionblock	function

setstructureblockstate	function	startparbuilder	function
settagcombination	function	startproduct	function
settagdescription	function	startproject	function
settagdescriptionsymbol	function	startregime	function
settagfigure	function	startsectionlevel	function
settaghighlight	function	starttag	function
settagitemgroup	function	starttext	function
settagproperty	function	startviewerlayer	function
settagsorting	function	stopchemical	function
settagsynonym	function	stopcolorset	function
settagtablecell	function	stopcomponent	function
settagtabulatecell	function	stopenvironment	function
setupbookmarks	function	stopfontsolution	function
setupcanvas	function	stopparbuilder	function
setupcharacterspacing	function	stopproduct	function
setupexport	function	stopproject	function
setupfontexpansion	function	stopregime	function
setupfontprotrusion	function	stopsectionlevel	function
setupidentity	function	stoptag	function
setupinsertion	function	stoptext	function
setupitaliccorrection	function	stopviewerlayer	function
setuplinenumbering	function	storejavascriptcode	function
setvisual	function	storejavascriptpreamble	function
setxmpfile	function	storenote	function
showassignerror	function	structureautocatcodedget	function
showattributes	function	structurecatcodedget	function
showcallbacks	function	structuregivencatcodedget	function
showchardata	function	structurenumber	function
showcounter	function	structuretitle	function
showfontparameters	function	structureuservariable	function
showhyphenatedinlist	function	structurevariable	function
showjustification	function	subcountervalues	function
showmessage	function	subff	function
sin	function	subfs	function
sind	function	synchronizecolormodel	function
splitfilename	function	synchronizemarking	function
spotcolorname	function	taggedmathfunction	function
spotcolorparent	function	tan	function
spotcolorvalue	function	tand	function
startchemical	function	testcase	function
startcolorset	function	textime	function
startcomponent	function	transparencycomponents	function
startenvironment	function	triggereffect	function
startfontsolution	function	triggernegative	function

truefilename	function	utfchar	function
typebuffer	function	utfmathclass	function
typefile	function	utfmathcommand	function
typestring	function	utfmathfiller	function
uchexnumber	function	utfmathstretch	function
uchexnumbers	function	verbose	function
undefinechemical	function	visual	function
unicodechar	function	vspacing	function
unit	function	vspacingcollapse	function
unloadlanguage	function	vspacingdefine	function
useMPLibrary	function	vspacingsetamount	function
useanyfile	function	vspacingsnap	function
usecldfile	function	way	function
usecolors	function	weekday	function
usecomponent	function	weekdayname	function
useenvironment	function	widthofstring	function
usefile	function	writestatus	function
usejavascriptpreamble	function	x_table_cleanup	function
usejavascriptscripts	function	x_table_construct	function
uselibrary	function	x_table_create	function
useluafile	function	x_table_flush	function
uselua module	function	x_table_init_construct	function
usemodules	function	x_table_init_reflow_height	function
usepath	function	x_table_init_reflow_width	function
useproduct	function	x_table_next_row	function
useproject	function	x_table_reflow_height	function
usesubpath	function	x_table_reflow_width	function
usesymbols	function	x_table_set_construct	function
usetexfile	function	x_table_set_reflow_height	function
useurl	function	x_table_set_reflow_width	function
usexmlfile	function	year	function
usezipfile	function		

containers (context)

cleanname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

Alphabetic	function	minute	function
Character	function	month	function
Characters	function	nofdays	function
Romannumerals	function	number	function
abjadnodotnumerals	function	numbers	function
abjadnumerals	function	octnumber	function
alphabetic	function	octstringtonumber	function
character	function	ordinal	function
characters	function	rawcharacter	function
chineseallnumerals	function	romannumerals	function
chinesecapnumerals	function	second	function
chinesenumerals	function	sequences	data table
chr	function	textime	function
chrs	function	toabjad	function
convert	function	tochinese	function
define	function	toroman	function
hexstringtonumber	function	uchexnumber	function
hour	function	uchexnumbers	function
isleapyear	function	verbose	table
lchexnumber	function	D data	
lchexnumbers	function	F translate	
leapyear	function	weekday	function
maxchrs	function	year	function

coroutine (basic lua)

create function
resume function
running function

status function
wrap function
yield function

ctxrunner (context)

load	function	resolve	function
prepfiler	data table		

debug (basic lua)

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

dir (context)

collectpattern	function
current	function
expandname	function
glob	function
globfiles	function
globpattern	function

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

environment (context)

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

epdf (extra tex)

Array function
Dict function
Object function

PDFRectangle function
open function
type function

experiments (context)

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

figures (context)

applyratio	function	includes	data table
bitmapimage	function	initialize	function
boxnumber	number	loaded	data table
cachepaths	data table	localpaths	data table
check	function	magics	data table
checkers	data table	mergegoodies	function
converters	data table	nofprocessed	number
current	function	order	data table
defaultdepth	number	paths	data table
defaultheight	number	patterns	data table
defaultsearch	boolean	pop	function
defaultwidth	number	preferquality	boolean
done	function	programs	data table
dummy	function	push	function
exists	data table	registerpattern	function
exists	function	registerresource	function
formats	data table	registersuffix	function
found	data table	resources	data table
get	function	scale	function
guess	function	setlookups	function
hash	function	setorder	function
identifiers	data table	setpaths	function
identify	function	suffixes	data table
include	function	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
suffixonly	function
syncmtimes	function

floats (context)

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

font (basic tex)

current function
define function
each function
fonts table
frozen function
getfont function

id function
max function
nextid function
read_tfm function
read_vf function
setfont function

fontloader (extra tex)

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

fonts (context)

analyzers	table	
T features		B autocleanup
N fina		F beforecopyingcharacters
N init		D cache
N isol		F calculatyscale
N medi		F checkedfeatures
D initializers		F checkedfilename
D methods		F cleanuptable
F setstate		F collectprocessors
T states		D designsizes
N blwf		D dontembed
N fina		F enhanceparameters
N half		N factor
N init		F finalize
N isol		F getfeatureaction
N mark		F hashfeatures
N medi		F hashinstance
N pref		T hashmethods
N pstf		F normal
N rest		F virtual
N rphf		F initializefeatures
B useunicodemarks		T keys
checkers	table	T character
F missing		S depth
cid	table	S height
F getmap		S italic
F loadfile		S width
collections	table	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
F report		S descender
F reset		S designsize
T vectors		T expansion
constructors	table	S auto
F aftercopyingcharacters		S shrink
F applymanipulators		S step
F assignmathparameters		S stretch
		S extendfactor

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 privateoffset	
S extra	F readanddefine	
S shrink	F registerfeature	
S stretch	B resolvevirtualtoo	
S width	F scale	
T synonyms	F scaled	
S em	F setfactor	
S ex	F setname	
S extra_space	N version	
S extraspace	current	function
S slant	currentid	function
S space	definers	table
S space_shrink	F addlookup	
S space_stretch	F analyze	
S spaceshrink	F applypostprocessors	
S spacestretch	F checkedmode	
S x_height	F checkedscript	
S units	F current	
S vfactor	S defaultlookup	
S xheight	F define	
T properties	F getspecification	
S autoitalicamount	F loadfont	
T cidinfo	F makespecification	
S embedding	T methods	
S encodingbytes	F install	
S filename	D variants	
S finalized	F read	
S fontname	F register	
S format	F registered	
S fullname	F registersplit	
S hasitalics	F resetnullfont	
S hasmath	F resolve	

T	resolvers		D	cache
F	file		D	features
F	name		T	helpdata
F	spec		D	bothkerned
definetypeface	function		D	leftkerned
encodings	table		D	ligatures
T	agl		D	rightkerned
D	cache		D	texligatures
F	is_known		F	load
D	known		F	setfeatures
F	load		B	syncspace
F	make_unicode_vector		N	version
D	math		T	otf
N	version		F	addfeature
expansions	data table		D	cache
formats	data table		T	chainhandlers
goodies	table		F	normal
D	colorschemes		F	verbose
D	data		F	collectlookups
D	designsizes		F	dataset
D	filenames		S	defaultbasealternate
F	getcompositions		S	defaultnodealternate
T	list		D	enhancers
F	compositions		D	features
F	designsizes		F	getalternate
F	expansions		T	glists
F	featureset		T	handlers
F	filenames		F	contextchain
F	files		F	devanagari_remove_joiners
F	mathematics		F	devanagari_reorder_matras
F	protrusions		F	devanagari_reorder_pre_base_reordering_consonants
F	solutions		F	devanagari_reorder_reph
F	typefaces		F	gpos_context
F	load		F	gpos_contextchain
F	prepare_features		F	gpos_cursive
F	register		F	gpos_mark2base
F	registerpostprocessor		F	gpos_mark2ligature
F	report		F	gpos_mark2mark
handlers	table		F	gpos_pair
T	afm		F	gpos_single
B	addkerns		F	gsub_alternate
B	addligatures		F	gsub_context
B	addtexligatures		F	gsub_contextchain
B	autoprefixed		F	gsub_ligature

- F gsub_multiple
- F gsub_reversecontextchain
- F gsub_single
- F load
- F scriptandlanguage
- F setcontextchain
- F setdynamics
- F setfeatures
- T statistics
 - D usedfeatures
- T tables
 - D baselines
 - D features
 - D languages
 - D scripts
- N version
- T pfb
- T tfm
 - D features
 - F setfeatures
- T vf
 - T combinations
 - F combine
 - T combiner
 - D commands
 - F find
 - D helpers
 - D math
 - D predefined
 - D whatever

hashes table

- D characters
- D csnames
- D descriptions
- T dynamics
- D emwidths
- D exheights
- D extensibles
- D identifiers
- D italics
- D lastmathids
- D marks
- D parameters
- T processes

- D properties
- D quads
- D resources
- T setdynamics
- D xheights

helpers table

- F addprivate
- F dimenfactor
- F fontpatternhassize
- F getdigitwidth
- F getparameters
- F getprivatenode
- F hasprivate
- F nametoslot
- F setdigitwidth
- F splitfontpattern

iterators table

- F characters
- F descriptions
- F glyphs

loggers table

- 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 fromunicode16
F loadfile
F loadline
F loadlumtable
F makenameparser
F reset
F tounicode16
F tounicode16sequence

names data table

protrusions data table

readers table

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

specifiers table

D contextmerged
F contextnumber
D contextnumbers
D contextsetups
F contexttstring
F mergecontext
F presetcontext
F registercontext

F showcontext
F splitcontext
D synonyms
D variants

symbols table

F uselibrary

tables table

tracers table

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

open 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 table

F insert
F register

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 table

pages table

F setpagetransition
F setupcanvas

references table

F setclosedocument
F setclosepage
F setopendocument
F setopenpage

renderings table

F register
F rendering
F var

soundclips table

F insert
F register

interfaces (context)

addvalidkeys	function
cachedsetups	data table
cachesetup	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
savedata	function
size	function
stderr	userdata
stdin	userdata
stdout	userdata
tmpfile	function
type	function
write	function

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
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 save
D tobesaved
version string

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
associated	data table
association	function
counters	data table
current	function
data	data table
define	function
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
righthyphenmin	function
setexceptions	function
setsynonym	function
unload	function
version	number
words	table
F check	
T data	
F disable	
F enable	
T enablers	
B enables	
F found	
F load	
T methods	
N threshold	

layouts (context)

status	table	F leftorrightpagection
	F isleftpage	

lfs (extra lua)

attributes	function	mkdir	function
chdir	function	readlink	function
currentdir	function	rmdir	function
dir	function	setmode	function
isdir	overloaded function	shortname	function
isfile	function	symlinkattributes	function
lock	function	touch	function
lock_dir	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	setmessenger	function
categories	function	setprogram	function
direct	function	settarget	function
disable	function	settranslations	function
enable	function	show	function
extendbanner	function	show_close	function
flush	function	show_load	function
help	function	show_open	function
messenger	function	simple	function
new	function	simpleline	function
newline	function	simplelines	function
poptarget	function	start_page_number	function
pushtarget	function	status	function
report	function	stop_page_number	function
report_job_stat	function	subdirect	function
reportbanner	function	subreport	function
reporter	function	system	function
reportline	function	texerrormessage	function
reportlines	function	writer	function
setformats	function		

lpdf (context)

action	function	id	function
adddocumentcolorspace	function	injectxmpinfo	function
adddocumenttextgstate	function	insertxmpinfo	function
adddocumentpattern	function	javascript	function
adddocumentshade	function	launch	function
addtocatalog	function	layerreference	function
addtoinfo	function	limited	function
addtonames	function	linearshade	function
addtopageattributes	function	link	function
addtopageresources	function	null	function
addtopagesattributes	function	number	function
addxmpinfo	function	pagedestination	function
array	function	pagereference	function
boolean	function	pdfcolor	function
checkedkey	function	pdftimestamp	function
checkedvalue	function	protectresources	boolean
circularshade	function	reference	function
cmykcode	function	registerannotation	function
collectedresources	function	registerdocumentfinalizer	function
color	function	registerpagefinalizer	function
colorspace	function	reserveannotation	function
colorspaceconstants	data table	reserveobject	function
colorspec	function	rgbcode	function
colorvalue	function	rotationcm	function
colorvalues	function	shareobject	function
constant	function	shareobjectreference	function
delayedobject	function	spotcode	function
dictionary	function	stream	function
epdf	table	string	function
F expand		timestamp	function
F load		toeight	function
finalizedocument	function	tosixteen	function
finalizepage	function	transparency	function
finishtransparencycode	function	transparencycode	function
flushobject	function	transparencygroups	table
flushstreamfileobject	function	B none	
flushstreamobject	function	transparencyvalue	function
formats	data table	unicode	function
graycode	function	verbose	function

lpeg (basic lua)

B	function	finder	function
C	function	firstofsplit	function
Carg	function	frontstripper	function
Cb	function	instringchecker	function
Cc	function	is_lpeg	function
Cf	function	keeper	function
Cg	function	locale	function
Cmt	function	match	function
Cp	function	oneof	function
Cs	function	patterns	data table
Ct	function	print	function
P	function	replacer	function
R	function	secondofsplit	function
S	function	setmaxstack	function
UP	function	split	function
UR	function	splitat	function
US	function	splitter	function
V	function	stripper	function
anywhere	function	times	function
append	function	tsplitat	function
balancer	function	tsplitter	function
checkedsplit	function	type	function
counter	function	utfchartabletopattern	function
endstripper	function	version	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	messages	data table
bytedata	data table	name	table
bytdone	table	numbers	data table
collectgarbage	function	registercode	function
delay	function	registeredcodes	function
finalize	function	registerfinalizer	function
firstbytecode	number	registername	function
flush	function	setbytecode	function
flushdelayed	function	setluaname	function
getbytecode	function	startupfile	string
getluaname	function	version	string
lastbytecode	number		

luatex (context)

cleanuptempfiles function
registerstartactions function
registerstopactions function
registertempfile function

showjobstat function
showtexstat 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
doifsettext	function	removesetup	function
doifnot	function	resetcdata	function
doifnottext	function	resetsetups	function
doiftext	function	resolvedentity	function
element	function	root	function
elements	function	serialize	function
entities	data table	setaction	function
filter	function	setcdata	function
filterlist	function	setcommandtonone	function
first	function	setcommandtotext	function
flush	function	setsetup	function
flushlinewise	function	snippet	function
flushsetups	function	sorters	table
flushspacewise	function	F add	
get_id	function	F compare	

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

math (basic lua)

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

mathematics (context)

addfallbacks	function	makefont	function
alphabets	data table	mapremap	data table
big	function	overloadparameters	function
boldmap	table	privatebase	number
categories	table	remapalphabets	function
D functions		renderings	table
checkaccentbaseheight	function	D mappings	
checkprivateparameters	function	D numbers	
classes	data table	D sets	
codes	data table	renderset	function
define	function	resetitalics	function
dimensions	function	scaleparameters	function
extensiblecode	function	setalternate	function
extensibles	data table	setitalics	function
extrabase	number	syncboth	function
extras	table	syncname	function
F add		syncstyle	function
F copy		toname	function
fallbacks	table	tostyle	function
F apply		tweakaftercopyingfont	function
F install		tweakbeforecopyingfont	function
fallbackstyleattr	function	tweaks	table
families	data table	F fixbadprime	
gaps	table	utfmathclass	function
getboth	function	utfmathcommand	function
getstyle	function	utfmathfiller	function
initializeparameters	function	utfmathstretch	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
checkformat function
checktexts function
collapse boolean
colorinitializer function
convert function
defaultformat string
defaultinstance string
defaultmethod string
directrun function
edefsxsy function
escaped function
exectime table
extensiondata data table
filterclippath function
finder function
flush function
flushers table
 T pdf
 F comment
 F flushfigure
 F startfigure
 F stopfigure
 F textfigure
flushliteral function
flushnormalpath function
flushreset function
format function
formatnumber function
getclippath function
getextensions function
gettext function
graphic function
graphic_base_pass function
graphic_extra_pass function
instance function
intermediate table
 T actions
 F makempy
 B needed

lastlog string
load function
makempy table
 N nofconverted
 F processgraphics
metafun table
 F interpolate
 F topath
method number
mptopdf table
 F convertmptstopdf
 N nofconverted
multipass boolean
n number
optimize boolean
parse function
pdfliterals function
pluginactions function
process function
processplugins function
reducetogray boolean
reporterror function
reset function
resetlastlog function
resetplugins function
resettexttexts function
setextensions function
setoutercolor function
settext function
showlog boolean
tex table
 F get
 F reset
 F set
texerrors boolean
texttextsdata function
theclippath function
totable function
unload function

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

mplib (extra tex)

fields	function	pen_info	function
finders	table	preprocessed	function
F file		version	function
new	function		

noads (context)

handlers table

- F check
- F collapse
- F families
- F italics
- F relocate
- F render
- F resize
- 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	ligaturing	function
copy_list	function	mlist_to_hlist	function
count	function	new	function
current_attr	function	next	function
dimensions	function	prev	function
do_ligature_n	function	protect_glyphs	function
family_font	function	protrusion_skippable	function
fields	function	remove	function
first_character	function	set_attribute	function
first_glyph	function	slide	function
flush_list	function	subtype	function
free	function	tail	function
has_attribute	function	traverse	function
has_field	function	traverse_id	function
hpack	function	type	function
id	function	types	function
insert_after	function	unprotect_glyphs	function
insert_before	function	unset_attribute	function
is_node	function	usedlist	function
kerning	function	vpack	function
last_node	function	whatsits	function
length	function	write	function

nodes (context)

after	function	F cleanuppage	
aligned	function	F export	
astable	function	F finalize	
before	function	F migrate	
builders	table	F protectglyphs	
F buildpage_filter		F stripping	
F vpack_filter		F unprotectglyphs	
codes	data table	has_attribute	function
concat	function	idstosting	function
count	function	ignorablefields	data table
delete	function	injections	table
destinations	table	F handler	
N attribute		F installnewkern	
T done		F setcursive	
F handler		F setkern	
T stack		F setmark	
		F setpair	
dimensionfields	data table	installattributehandler	function
dir_is_pop	data table	is_display_math	function
dir_negation	data table	is_mirrored	data table
disccodes	data table	is_rotated	data table
discretionarycodes	data table	kerncodes	data table
endofmath	function	leftmarginwidth	function
fasthpack	function	lines	table
fields	function	T boxed	
fillcodes	data table	F register	
firstcharacter	function	F setup	
firstcharinbox	function	F stage_one	
firstglyph	function	F stage_two	
getattribute	function	F stage_zero	
gluecodes	data table	D data	
glyphcodes	data table	F finalize	
glyphdir_is_equal	data table	F number	
glyphdir_is_opposite	data table	N scratchbox	
glyphdir_is_orthogonal	data table	link	function
handlers	table	list	function
F accessibility		listablefields	data table
F alignbackgrounds		listcodes	data table
F backgrounds		listtoutf	function
F characters		load	function
F checkforleaks		locate	function
F checkglyphs			

margincodes		F usage	
markers	data table	T userids	
F get	table	N margins.inline	
mathcodes	data table	N splitters.one	
noadcodes	data table	N splitters.two	
nodecodes	data table	F userlist	
packlist	function	F usernumber	
pardir_is_equal	data table	F userstring	
pardir_is_opposite	data table	F usertokens	
pardir_is_parallel	data table	F vlist	
partextdir_is_equal	data table	F zeroglue	
penaltycodes	data table	print	function
pool	table	processors	table
F baselineskip		B enabled	
F cleanup		F hpack_filter	
F disc		F post_linebreak_filter	
F fontkern		F pre_linebreak_filter	
F glue		F tracer	
F gluespec		processwords	function
F glyph		reference	function
F hlist		references	table
F kern		N attribute	
F latelua		T done	
F leftmarginkern		F handler	
F leftskip		T stack	
F lineskip		remove	function
F noad		repackhlist	function
F pdfannotation		replace	function
F pdfdestination		report	function
F pdfdirect		rightmarginwidth	function
F pdfliteral		rules	table
F pdfrestore		D data	
F pdfsave		F define	
F pdfsetmatrix		F enable	
F penalty		F handler	
F register		save	function
F rightmarginkern		serialize	function
F rightskip		serializebox	function
F rule		setattribute	function
F shrink		setattributes	function
F special		setunsetattributes	function
F stretch		shifts	table
F temp		D data	
F textdir		F define	

F enable		F collect	
F handler		F equal	
show	function	F indices	
showboxes	function	F start	
showcodes	function	F string	
showlist	function	F unicodes	
showsimplelist	function	T colors	
skipcodes	data table	F reset	
snapshots	table	F set	
F getparameters		F setlist	
F getsamples		F fontchar	
F resetsamples		T frequencies	
F takesample		F register	
somepenalty	function	F start	
somespace	function	T steppers	
stripping	table	F check	
T glyphs		F codes	
F set		F features	
striprange	function	F glyphs	
tasks	table	F message	
F actions		F messages	
F appendaction		F nofsteps	
F disableaction		F register	
F disablegroup		F reset	
F enableaction		F start	
F enablegroup		F stop	
F freeze		F stop	
F freezegroup		T transparencies	
F new		F reset	
F prependaction		F set	
F removeaction		F setlist	
F restart		unsetattribute	function
F showactions		unsetattributes	function
F table		visualizebox	function
texmdir_is_equal	data table	visualizers	table
texmdir_is_is	data table	F box	
texmdir_is_opposite	data table	F handler	
texmdir_is_parallel	data table	F markfonts	
tonodes	function	F setfont	
tosequence	function	F setlayer	
totable	function	F setvisual	
toutf	function	whatcodes	data table
tracers	table	whatsitcodes	data table
T characters		writable_spec	function

number (context)

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

os (basic lua)

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

package (basic lua)

clibpaths	function	loaders	table
config	string	loadlib	function
cpath	string	path	string
extraclibpath	function	preload	table
extralibpath	function	searchers	table
helpers	table	searchpath	function
libpaths	function	seeall	function
loaded	table		

pagebuilders (context)

mixedcolumns table

F cleanup

F finalize

F getlist

F getrest

F getsplit

F setsplit

pdf (basic tex)

immediateobj	function	pageresources	string
mapfile	function	pagesattributes	string
mapline	function	pdfmapfile	function
maxobjnum	function	pdfmapline	function
obj	function	print	function
objtype	function	refobj	function
pageattributes	string	registerannot	function
pageref	function	reserveobj	function

pdfscanner (context)

scan function

physics (context)

`units` table

D tables

profiler (extra lua)

pause function
resume function

start function
stop function

regimes (context)

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

variableofformatorsuffix

function

wildcardpattern

function

scripts (context)

autofontfeature table

 F disable

 F enable

 F handler

categorytonumber data table

colors data table

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

handlers data table

hash table

installdataset function

installmethod function

numbertocategory data table

numbertodataset data table

preprocess function

reset function

set function

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)

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitsoffset

 N ignoredoffset

 N replacementoffset

definitions data table

firstofsplit function

setlanguage function

sort function

splitters table

 F utf

strip function

tracers data table

update function

statistics (context)

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

status (basic tex)

list function

storage (context)

allocate	function
data	table
evaluators	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)

booleanstring	function
byte	function
bytepairs	function
bytes	function
char	function
characterpairs	function
characters	function
checkedsplit	function
collapsespaces	function
count	function
dump	function
escapedpattern	function
explode	function
find	function
format	function
formatter	function
formatters	table

```
F %-t--cycle
F %-15s :
F %-15s : %s
F %-15s >
F %-15s >
F %-15s > %s
F %-15s > %s
F %-15s > %s >
F %-15s > %s >
F %-15s > %s > %s
F %-15s > %s > %s
F %.3f %.3f %.3f %.3f k %.3f %.3f %.3f %.3f K
F %.3f %.3f %.3f rg %.3f %.3f %.3f RG
F %.3f g %.3f G
F %p
F %s %s %s %t
F %s mul
F %s->%s->%s
F %s->%s->%s->%s->%s->%s->%s->%s
F %s:%s
F %s:%s:%s
F (%p,%p)
F /%s %s
F /%s << %t >>
```

```
F /%s [ %t ]
F << %t >>
F MpSh%s
F [ %t ]
F _plib_.b_col(%q)
F _plib_.b_region(%q)
F _plib_.e_col()
F _plib_.e_region(%s)
F _plib_.enhance(%q)
F b:%s
F c:%s:%s:%s:%s
F chem_%s%(%,%,%, "\chemicaltext{%s}") ;
F chem_%s%(%,%,%, %, %, %, %);
F chem_%(%,%, %, "");
F chem_%(%,%, %, %);
F chem_c%(%,%, %, "");
F chem_set(%) ;
F chem_start_component ;
F chem_start_structure(%, %, %, %, %, %, %, %, %, %, %, %, %, %, %);
F chem_stop_component ;
F chem_stop_structure ;
F dup %s mul exch dup %s mul exch %s mul
F dup %s mul exch dup %s mul exch dup %s mul exch %s mul
F e:%s
F if unknown context_chem : input mp-chem.mpiv ; fi ;
F mfun_tt_w[%i] := %f ; mfun_tt_h[%i] := %f ; mfun_tt_d[%i] := %f ;
F multilocs[%s] := %s ; multikind[%s] := "%s" ; multipars[%s] := %s ;
F multiregs[%s] := (%--t--cycle) shifted - %s ;
F p:%s
F p:%s:%s:%s:%s
F path multiregs[], multipars[], multibox ; string multikind[] ;
F path posboxes[], posregions[] ; numeric pospages[] ; number poswidths[] ;
F pospages[%s] := %s ; posboxes[%s] := (%p,%p)--(%p,%p)--(%p,%p)--(%p,%p) ;
F q %f %f %f %f %f %f cm
F r:%s:%s:%s
F region:%s
F s:%s
F setbounds currentpicture to multibox ;
F w:%s
```

gmatch	function
gsub	function

is_boolean	function	strip	function
is_empty	function	sub	function
itself	function	tformat	function
len	function	toboollean	function
limit	function	tocontext	function
longtostring	function	todimen	function
lower	function	topattern	function
makeformatter	function	totable	function
match	function	toutf	function
quote	function	unquote	function
quoted	function	unquoted	function
rep	function	upper	function
reverse	function	utfcharacters	function
split	function	utfvalues	function
splitlines	function	valid	function
splitup	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 formulanumber	
F hasnumberdata	
F haspagedata	
F hastitledata	
D internals	
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	
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
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
F from
F get
F getcurrentmetadata
F getcurrentprefixspec
F getinnermethod
F getinternalreference
D handlers
F identify
F import
F inject
F injectcurrentset
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
T resolvers
 F reference
 F section
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 tobесaved
- T urls
- T data
- F define
- F get
- F valid
- F whatfrom

registers table

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

sections table

- F autodepth
- F cct
- D collected
- F current
- F currentblock
- F currentid
- F currentlevel
- F depthnumber
- F finddata
- 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
- F set
- F setblock
- F setchecker
- F setlevel
- F setnumber
- F somelevel
- F structuredata
- F title
- D tobесaved
- F typesetnumber
- F userdata
- B verbose

sets table

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

specials table

- D collected
- F retrieve
- F store
- D tobесaved

synonyms table

- F analyzed
- D collected
- F compare
- F define
- F filter
- F finalize

F flush	F registerdata
F meaning	F registermetadata
F prepare	F restart
F process	F setattributehash
F register	F setcombination
F registerused	F setdescription
F sort	F setdescriptionsymbol
F synonym	F setfigure
D tobesaved	F sethighlight
tags	F setitemgroup
	F setproperty
T data	F setsorting
F detailedtag	F setsynonym
F getid	F settablecell
F handler	F settabulatecell
D labels	F start
F last	F stop
F lastinchain	D taglist
T metadata	T userdata
D properties	
table	

table (basic lua)

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

tex (basic tex)

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

setuccode	function	tpbcatcodes	number
sfcode	table	tprint	function
shipout	function	trackers	data table
skip	table	txtcatcodes	number
sp	function	type	function
sprint	function	uccode	table
systemmodes	data table	uniformdeviate	function
texcatcodes	number	uprint	function
toks	table	vrbcacodes	number
tpacacodes	number	write	function

texconfig (basic tex)

error_line	number	max_print_line	number
expand_depth	number	max_strings	number
formatname	string	nest_size	number
half_error_line	number	param_size	number
hash_extra	number	save_size	number
init	function	shell_escape	string
kpse_init	boolean	stack_size	number
max_in_open	number		

texio (basic tex)

`write` function

`write_nl` function

token (basic tex)

command_id	function	get_next	function
command_name	function	is_activechar	function
create	function	is_expandable	function
csname_id	function	is_protected	function
csname_name	function	lookup	function
expand	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	name	string
default	function	register	function
disable	function	report	function
dumphashtofile	function	savehash	function
enable	function	show	function
list	function	value	function

typesetters (context)

alignments table

F handler

F set

breakpoints table

N attribute

F define

F handler

D mapping

T methods

T numbers

F set

F setreplacement

cases table

T actions

F handler

F register

F set

characters table

F handler

checkers table

F handler

F reset

F set

cleaners table

F handler

F set

digits table

T actions

N attribute

F handler

F set

directions table

F handler

F process

F set

fast_hpack function

hpack function

italics table

F forcevariant

F handler

F reset

F set

kerns table

D factors

F handler

B keepeligature

B keepetogether

D mapping

F set

margins table

F finalhandler

F globalhandler

F ha

F localhandler

F save

paragraphs table

N attribute

T droppers

F freeze

F set

F handler

F set

processors table

F apply

F register

F reset

F split

F startapply

F stopapply

F stripped

F toString

spacings table

N attribute

F define

F handler

D mapping

T numbers

T frenchpunctuation

T characters

S name

N number

F reset

F set	F initialize_construct
F setup	F initialize_reflow_height
tonodes	F initialize_reflow_width
vpack	F next_row
xtables	F reflow_height
F cleanup	F reflow_width
F construct	F set_construct
F create	F set_reflow_height
F flush	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 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 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_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

utilities (context)

debugger table

F disable
F enable
F savestats
F showstats

formatters table

F formatcolumns
F list
F stripzeros

garbagecollector table

F check
N criterium
B enabled

lua table

B alwaysstripcode
F compile
F loadedluacode
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
T patterns
U keq_to_hash_c
U settings_to_array
U settings_to_hash_a
U settings_to_hash_b
U settings_to_hash_c
U unittotex
F rfc4180splitter
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 unittotex
F unittoxml

report function

sequencers table

F appendaction
F appendgroup
F compile
F disableaction
F disablegroup
F enableaction
F enablegroup
D functions
F localize
F new

F nodeprocessor		F setinitializer	
F prependaction		F sparse	
F prependgroup		strings	table
F removeaction		F collapsecrlf	
F setkind		F newrepeater	
F toString		F nice	
setters	table	F striplong	
F disable		F tabtospace	
F enable		tables	table
F initialize		F accesstable	
F list		F definedtable	
F new		F definetable	
F register		F encapsulate	
F reset		F insertaftervalue	
F show		F insertbeforevalue	
stacker	table	F migratetable	
F new		F removevalue	
storage	table	templates	table
F allocate		F load	
F checked		F replace	
F mark		F resolve	
F marked			

vf (context)

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

pop	function
push	function
right	function
rule	function
special	function

visualizers (context)

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

F bibtexshort	F position	
F chainattribute	F reverse	
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

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

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