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

ConTEXt MkIV

global (alias: _G)

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

table setmetatable mbox md5 table socket metapost table sorters table statistics mime module function status moduledata table storage modules table streams mplib table string newline function stripmath next function structures noads table swialib node table table nodes table tex number table texconfig optionalrequire function texio table thirddata function toboolean outputpagestree package table token pagebuilders table tokens pairs function tonumber parametersets table tostrina pattern userdata traceback pcall function pdf table tracers pdfscanner table trackers physics table tvpe print function table unicode profiler protect function unpack publications table url rawequal function userdata function utf rawget utilities function rawlen rawset function regimes table report characters function xml require function xmlconvert resolve fences function xpcall resolvers table zip zlib scripts table select function table set setcharacteralign function setinspector function

function table table table table table table table function table function table table table table table function table table function function trace characters boolean function table table function typesetters table table function table table table table table visualizers table table function function table table

attributes (context)

colorintents	table	F mpoptions	
N attribute		U none	
D data		F popset	
F enable		F processcolorc	omponents
F handler		F pushset	
F register		F register	
D registered		D registered	
colors	table	F registerspotc	olor
N attribute		F rgb	
F cmyk		F rgbtocmyk	
F cmyktogray		F rgbtogray	
F cmyktorgb		F rgbtohsv	
F colorcomponer	nts	N selector	
B couple		F setlist	
D data		F setmodel	
N default		D sets	
F defineinterme	ediatecolor	F spec	
F definemixcolo	or	F spot	
F definemultito	onecolor	F spotcolorname	
F defineprocess	scolor	F spotcolorpare	nt
F definesimple	gray	F spotcolorvalu	е
F definespotcol	lor	B supported	
F definetranspa	arency	F transparencyc	omponents
F enable		B triggering	
F filter		F usecolors	
F forcedmodel		F value	
F forcesupport		D values	
F formatcolor		B weightgray	
F formatgray		define	function
F gray		effects	table
F graytohsv		N attribute	
F handler		D data	
F hsvtogray		F enable	
F hsvtorgb		F handler	
F iccprofile		F register	
F isblack		D registered	
N main		D values	
S model		handlers	table
D models		list	data table
F mpcolor		names	data table
F mpnamedcolor		negatives	table

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

states table

F disabletriggering

F enabletriggering
F finalize

F initialize

F process

F selective

F stacked

F stacker

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

F register

D registered

F resolve_begin

F resolve_end

F resolve_step

D scopes

F setfeatures

F start

F stop

B supported

D values

backends (context)

F registerdocumentcloseaction

codeinjections table F registerdocumentopenaction F synchronizecolormodel F registeredsymbol current strina F registerpagecloseaction table defaults F registerpageopenaction T codeinjections F registersymbol T nodeiniections F setfieldcalculationset T registrations F setfigurealternative D tables F setfigurecolorspace install function F setfiguremask nodeinjections table F setformat F setformsmethod F restore F save F setpagetransition F transform F setupcanvas function nothina F setupidentity pdf table F setxmpfile T codeinjections F startlayer F addbookmarks F stoplayer F attachmentid F supportedformats F clonefield F useviewerlaver F definefield F validfield E definefieldset F validfieldcategory F defineviewerlaver F validfieldset F embedfile S comment F enabletags T nodeinjections F exportformdata F addtags F finalizepage F attachfile F finishreference F changestackedlayer F getdefaultfieldvalue F cmykcolor F getfieldcategory F comment F getfieldset F destination F getformatoption F effect F getoutputfilename F graycolor F getpreviewfigure F injectbitmap F insertrenderingwindow F insertmovie F mergereferences F insertsound F insertswf F mergeviewerlayers F prerollreference F insertu3d F knockout F presetsymbol F presetsymbollist F negative F processrendering 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

bit32 (basic lua)

```
arshift function
band
       function
       function
bnot
bor
       function
       function
btest
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 function exists function getcontent function getlines 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 kernina 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 keeptogether 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
${\tt getfirstreadablefile_TEST_ME_FIRST}$	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
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
adobename	function
bidi	data table
blockrange	function
blocks	data table
casemap	table
categories	data table
category	function
categorytags	data table
combined	data table
contextname	function
data	data table
decomposed	data table
define	function
description	function
descriptions	data table
directions	table
enccodes	data table
entities	data table
fallbacks	data table
filters	data table
fromnumber	function
fschars	data table
fscodes	data table
getrange	function
graphemes	data table
hangul	data table
initialize	function
is_character	data table
is_command	data table
is_letter	data table
is_mark	data table
is_spacing	data table
lcchars	data table
lccode	function
lccodes	data table
lettered	function
lower	function
math	table
mathpairs	data table
mirrors	table

otfscripts	data table
ranges	data table
registerentities	function
remap_hangul_syllabe	function
safechar	function
setcodes	function
shape	function
shaped	function
shchars	data table
shcodes	data table
showstring	function
specialchars	data table
specials	data table
subscripts	table
superscripts	table
synonyms	data table
tex	table
D accentmapping	

F defineaccents

F toutf

textclasses tonumber ucchars uccode uccodes unicodechar upper

table function data table function data table function function

chemistry (context)

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

commands (context)

Alphabetic	function	assignbuffer	function
Character	function	autofinishstructurelevels	function
Characters	function	autonextspace	function
MPc	function	autonextstructurelevel	function
MPd	function	autosetups	function
MPh	function	autostarttext	function
MPll	function	autostoptext	function
MPlr	function	averagecharwidth	function
MPls	function	bcolumn	function
MPn	function	boolcase	function
MPp	function	boxtostring	function
MPpardata	function	btxauthor	function
MPplus	function	btxcitevariant	function
MPpos	function	btxcollectlistentries	function
MPposset	function	btxdestination	function
MPr	function	btxdetail	function
MPrest	function	btxdoif	function
MPrs	function	btxdoifelse	function
MPul	function	btxdoifelselistentryplaced	function
MPur	function	btxdoifnot	function
MPw	function	btxfetchlistentries	function
MPx	function	btxfield	function
MPxy	function	btxflush	function
MPxywhd	function	btxflushlistentries	function
MPy	function	btxhandlecite	function
Romannumerals	function	btxhandlenocite	function
abjadnodotnumerals	function	btxlistvariant	function
abjadnumerals	function	btxreference	function
addbtxentry	function	btxregisterlistentry	function
addcounter	function	btxresolvelistreference	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	definefont_two	function
chineseallnumerals	function	definefontfamily	function
chinesecapnumerals	function	definefontfeature	function
chinesenumerals	function	definefontsolution	function
cleanfontname	function	defineinsertion	function
cleanupbox	function	defineintermediatecolor	function
cleanuplayers	function	definelabels	function
clonefield	function	definelanguage	function
collectfloat	function	definelinkedlist	function
collecthelp	function	definemarking	function
colorcomponents	function	definemetafont	function
concatcommalist	function	definemultitonecolor	function
consultfloat	function	definenote	function
convertbtxdatasettoxml	function	defineparallel	function
copyposition	function	defineparbuilder	function
cos	function	defineprocesscolor	function
cosd	function	defineprogram	function
countervalue	function	definereference	function
counttwopassdata	function	definesectionlevels	function
currentcomponent	function	defineselectfont	function
currentdate	function	definespotcolor	function
currentenvironment	function	definestructureblock	function
currentproduct	function	definestructureset	function
currentproject	function	definetransparency	function
currentreferencedefault	function	definetwopasslist	function
currentreferenceorder	function	defineviewerlayer	function
currentregime	function	defrostrandomseed	function
currentsectiontolist	function	digits	function
datasetvariable	function	disableautofontscript	function
dayname	function	disableparbuilder	function
defineattribute	function	disableregime	function
definebreakpoint	function	disablespellchecking	function
definebreakpoints	function	discardfromlist	function
definecharacterspacing	function	doanalyzeframedbox	function
definechemical	function	doif	function
defineconversion	function	doifblackelse	function
definecounter	function	doifcommonelse	function
definedviewerlayer	function	doifcounter	function
definefallbackfamily	function	doifdimenstringelse	function
definefield	function	doifdrawingblackelse	function
definefieldset	function	doifelse	function
definefilefallback	function	doifelsebuffer	function
definefilesynonym	function	doifelsecontinuewithfile	function
definefont_one	function	doifelsecounter	function

doifelsemarking function dostoptextfile function doifelsemarking function dostoptextfile function doifelsemassage function ecolumn function doifelsemassage function ecolumn function doifelsemarking function enableautofontscript function doifelseparallel function enableautofontscript function doifelsepositionsused function enablecolor function doifelserangeonpage function enablecolorintents function doifelserargeonpage function enablefontcolorschemes function doifelsespaces function enablespathider function doifelsespaces function enablespellchecking function doifelseutfmathabove function enablespellchecking function doifelseutfmathabove function enablespellchecking function doifelseutfmathabove function enablespellchecking function doifelseutfmathabove function enablespellchecking function doiffelseutfmathabove function enablespellchecking function doiffeldeutegoryelse function enhancelisked function doiffeldeutegoryelse function enhancereference function doiffiledeutegoryelse function enhancereference function doiffiledeuse function expandcurrentreference function doiffiledesinedelse function exportformdata function doiffiledesinedelse function exportformdata function doiffiledexielse function exportformdata function doiffinyntifileelse function feature function doiffinyntifileelse function feature function doifflusthasmabrelse function feature function doifflusthaspealse function feature function doifflusthaspealse function feature function doifflusthaspealse function fetchnultipar function doifflucfileelse function figurefilepath function doifflucfileelse function figurefilepath function doifflucfileelse function figurefilepath function doifflucfileelse function figurerequest function figurerequest function doifpositionelse function figurerealte function doifpositionsonabea function figurerealte function doifpositio	doifelsecurrentfonthasfeature	function	doreshapeframedbox	function
doifelsemessage function elapsedtime function doifelsemultipar function elapsedtime function doifelseparallel function enableautofontscript function doifelsepositionsused function enablecolor function doifelserangeonpage function enablecoloritents function doifelserangeonpage function enablefontolorschemes function doifelsespaces function enableparbuilder function doifelsespaces function enablesparbuilder function doifelseutfmathabove function enablespellchecking function doifelseutfmathabove function enablespellchecking function doifelseutfmathabove function enablespaces function doifelseutfmathabove function enablerapsparency function doifelseutfmathabove function enablecrapsparency function doiffieldeutgraphy function enhancelist function doiffieldeutgraphy function enhancereference function doiffieldeseutgraphy function enhancereference function doiffieldeutgraphy function expandcurrentreference function doiffieldeutgraphy function expandcurrentreference function doiffilederinedelse function expandcurrentreference function doiffilsexistelse function expandcurrentreference function doiffinestelse function experterences function doiffinestelse function feature function doiffinestelse function feature function doiffinestelse function feature function doiffinespapearelse function featureattribute function doifflisthasnumberelse function featurelist function doifflisthasnumberelse function fetchmultipar function doifflot function fetchmultipar function doifflotcounter function fetchmultipar function doifflotcounter function fetchmultipar function doifflotcounter function figurefilename function doiffootcounter function figurefilename function doiffootcounter function figurefilename function doiffooterereprences function figurefilename function doiffooterereprences function figurerequest function doiffooterencefoundelse function figurerequest function doiffooterencefoundelse function figurerequest function doiffooterencefoundelse function figurerequest function doiffootencese function figurerequest function figur	doifelseintwopassdata	function	dostarttextfile	function
doifelsemultipar function doifelseparallel function enableautofontscript function doifelseparallel function enablecolor function doifelsepositionsused function enablecolor function doifelserangeonpage function enablecolorintents function doifelserangeonpage function enablecolorintents function doifelsespaces function enableparbuilder function doifelsespaces function enableregime function doifelseutfmathabove function enableregime function doifelseutfmathaccent function enableransparency function doifelseutfmathbelow function enableransparency function doifelseutfmathbelow function enhancelist function doiffieldestedise function enhancereference function doiffieldestedise function enhancereference function doiffieldestedise function expandcurrentreference function doiffieldestedise function expandcurrentreference function doiffilexistelse function exportformdata function doiffilexistelse function exportformdata function doiffilexistelse function exportformdata function doiffilexistelse function feature function doiffinsetelse function feature function doiffinsetelse function feature function doiffinsetelse function feature function doiffilexistasentry function feature function doiffilixhaspageelse function fetchmultipar function doifflothisthaspageelse function fetchmultipar function doifflothisthaspageelse function fetchnoemark function doifflotecontent function figurefilename function doiffoctounter function figurefilename function doiffoctererereconalese function figurefilename function doiffortererencefoundelse function figurerequest function doifforerencefoundelse function figurerestatus function doifforerencefoundelse function figureredeal function doifforerencefoundelse function figurerestatus function doifforerencefoundelse function figureredeal function doifforerencefoundelse functio	doifelsemarking	function	dostoptextfile	function
doifelseparallelfunctionenableautofontscriptfunctiondoifelsepositionsusedfunctionenablecolorfunctiondoifelserangeonpagefunctionenablecolorintentsfunctiondoifelsereferencefunctionenablefontcolorschemesfunctiondoifelsesavedfloatfunctionenableparbuilderfunctiondoifelsesusfmathabovefunctionenableregimefunctiondoifelseutfmathabovefunctionenabletransparencyfunctiondoifelseutfmathaccentfunctionenhancelinkedlistfunctiondoifelseutfmathbelowfunctionenhancelistfunctiondoiffeldesutfmathbelowfunctionenhancelistfunctiondoiffieldesvisualizerfunctionenhancereferencefunctiondoiffieldelsefunctionenhancereferencefunctiondoiffieldelsefunctionexpandcurrentreferencefunctiondoiffiledefinedelsefunctionexportformdatafunctiondoiffiledefinedelsefunctionexportformdatafunctiondoiffiledexistelsefunctionexportformdatafunctiondoiffiledexistelsefunctionexportformdatafunctiondoiffileexistelsefunctionfeaturefunctiondoiffileyrifleelsefunctionfeaturefunctiondoiflisthasnumberelsefunctionfeaturelistfunctiondoiflisthasnumberelsefunctionfetchultiparfunctiondoiflisthaspageelsefunctionfetchone	doifelsemessage	function	ecolumn	function
doifelsepositionsused function enablecolor function doifelserangeonpage function enablecolorintents function doifelseraference function enablefontcolorschemes function doifelsesawedfloat function enableparbuilder function doifelsesawedfloat function enableparbuilder function doifelseutfmathabove function enablespellchecking function doifelseutfmathabcent function enablespellchecking function doifelseutfmathabelow function enhancelinkedlist function doifelsevisualizer function enhancelinkedlist function doiffieldelse function enhancereference function doiffieldelse function expandcurrentreference function doiffieldelse function expandcurrentreference function doiffieldeses function expandcurrentreference function doiffileexistelse function exportformdata function doiffileexistelse function exportformdata function doiffileexistelse function exportformata function doiffilespearelse function feature function doiffilespearelse function feature function doiffilespearelse function feature function doiffilespearelse function featurelist function doifflisthasnumberelse function fetchallmarks function doiflisthasnumberelse function fetchallmarks function doiflofilese function fetchmultipar function doiflofilese function fetchmultipar function doiflocfileelse function fetchnomark function doiflocfileelse function fetchnomark function doifnotcounter function fetchposboxes function doifnoteonsmepageaspervious function figurefilename function doifoverlappingelse function figurerequest function doifoverlappingelse function figurevariable function doifpositionon function figurevariable function doifpositionsonsmepageelse function figurevariable function doifpositionsonsmepageelse function filterreference function doifpositionsonsmepageelse function finalizebox function doifpositionsonsmepageelse function finalizebox function function function function function finalizebox function func	doifelsemultipar	function	elapsedtime	function
doifelserangeonpagefunctionenablecolorintentsfunctiondoifelsereferencefunctionenablefontcolorschemesfunctiondoifelsesavedfloatfunctionenablergepimefunctiondoifelsespacesfunctionenablergepimefunctiondoifelseutfmathabovefunctionenablespellcheckingfunctiondoifelseutfmathbelowfunctionenhancelinkedlistfunctiondoifelseutfmathbelowfunctionenhancelinkedlistfunctiondoiffieldesvisualizerfunctionenhancelistfunctiondoiffieldespoyelsefunctionenhancereferencefunctiondoiffieldesefunctionexpandcurrentreferencefunctiondoiffieldefinedelsefunctionexportformdatafunctiondoiffiledefinedelsefunctionexportreferencesfunctiondoiffiledefinedelsefunctionexportreferencesfunctiondoiffiledefinedelsefunctionfeaturefunctiondoiffiledefinedelsefunctionfeaturefunctiondoiffiledefinedelsefunctionfeaturefunctiondoiffiledefinedelsefunctionfeaturefunctiondoiffiledefinedelsefunctionfeaturefunctiondoiflisthasparelsefunctionfeatureattributefunctiondoiflisthaspangeelsefunctionfetchmultiparfunctiondoiflisthaspangeelsefunctionfetchmultiparfunctiondoiflotileelsefunctionfetchnoemarkfunction	doifelseparallel	function	enableautofontscript	function
doifelsereference doifelsesavedfloat doifelsespaces function doifelsespaces function doifelsesutfmathabove function doifelseutfmathabove function doifelseutfmathabove function doifelseutfmathabove function doifelseutfmathabove function doifelseutfmathabove function doifelseutfmathabove function doifelsevisualizer function doifelsevisualizer function doiffieldcategoryelse function doiffieldese function doiffieldese function doiffieldese function doiffieldese function doiffilederinedelse function doiffileexistelse function doiffileexistelse function doiffileexistelse function doiffileexistelse function function feature function doifinsetelse function feature function featurealtribute function doiflisthasentry function feedback function feedback function foiflisthaspageelse function fetchmultipar function doifnotcounter function function figurefilename function doifnotecontent function figurefilename function foifoderversionelse function figurefilename function foifoderversionelse function figureriletype function foifopositiononpage function filterreference function figurevariable function foifpositionsonsamepageelse function filterreference function filterreference function filterreference function figurevariable function foifpositionsonsamepageelse function findtwopassdata function function findturevariable function findturevariable function findturevariable function filterreference function findturevariable function filterreference function filterreference function filterreference function foifpositionsonsamepageelse function filterreference function findturevariable function filterreference function findturevariable function filterreference function filtertefaultreference function filtertefaultreference function filterreference function filterreference function filtertefaultreference function filtertefaultreference function filterreference function filterreference function function filterreference function function filterreference function function filterreference function function function filterreference fun	doifelsepositionsused	function	enablecolor	function
doifelsesavedfloat function enableparbuilder function doifelsespaces function enablespellchecking function doifelseutfmathabove function enablespellchecking function doifelseutfmathabcent function enabletransparency function doifelseutfmathbelow function enhancelinkedlist function doifelsevisualizer function enhancelist function doiffieldese function enhancelist function doiffieldelse function erasebuffer function doiffieldelse function expandcurrentreference function doiffieldelse function exportformdata function doiffiledefinedelse function exportformdata function doiffistscharelse function extensiblecode function doiffinetelse function feature function doiffisetelse function feature function doiffloappearelse function featureattribute function doiflisthasnumberelse function featureattribute function doiflisthasnumberelse function featurelist function doiflisthasspageelse function fetchmultipar function doiflocfileelse function fetchmultipar function doiflocfileelse function fetchmultipar function doiflocfileelse function fetchmultipar function doifnot function fetchmultipar function doifnotcounter function fetchmultipar function doifnotcounter function fetchmultipar function doifnotcounter function fetchmultipar function doifnotcounter function figurefilename function doifnoteonsamepageasprevious function figurefilename function doifnoteonsamepageasprevious function figurefilename function doifoderversionelse function figurerequest function doifoderversionelse function figurerequest function doifpositionelse function figurevariable function doifpositiononsamepageelse function filterdefaultreference function doifpositionsonsamepageelse function finaltwopassdata function function finaltwopassdata function function finaltwopassdata function function function finaltwopassdata function functi	doifelserangeonpage	function	enablecolorintents	function
doifelsespaces function enableregime function doifelseutfmathabove function enablespellchecking function doifelseutfmathaccent function enablespellchecking function doifelseutfmathaccent function enhancelist function doifelseutsualizer function enhancelist function doiffieldsevisualizer function enhancelist function doiffieldespeyelse function enhancereference function doiffieldese function expandcurrentreference function doiffieldestelse function exportformdata function doiffiledsidelse function exportformdata function doiffiledsidelse function exportformdata function doiffilexistelse function exportreferences function doiffilexistelse function extensiblecode function doifinputfileelse function feature function doifinputfileelse function feature function doifinsetelse function featureattribute function doifloispearelse function featurelist function doiflisthasnumberelse function feedback function doiflisthasnumberelse function fetchallmarks function doiflisthassibleelse function fetchmultipar function doiflotfileelse function figurefilename function doifloteonsamepageasprevious function figurefilename function doifloteonsamepageasprevious function figurefilename function doifloteonsamepageasprevious function figurerequest function doifloteoriappingelse function figuresatus function doifloteorialpelse function figuresatus function doiflopsition function figurevariable function doiflopsitionsonsamepageelse function filtereference function doiflopsitionsonsamepageelse function findtwopassdata function doiflourledefinedelse function findtwopassdata function function function function findtwopassdata function	doifelsereference	function	enablefontcolorschemes	function
doifelseutfmathabove function enablespellchecking function doifelseutfmathaccent function enhancelinkedlist function doifelsevisualizer function enhancelist function doifielded function enhancelist function doifielded function enhancereference function doiffieldelse function enhancereference function doiffieldese function expandcurrentreference function doiffieldese function exportformdata function doiffileedsiatelse function exportformdata function doiffilexistelse function exportformdata function doiffinexistelse function extensiblecode function doifinexistelse function feature function doifinextelse function feature function doifinextelse function feature function doifinextelse function featurelist function doifleapyearelse function featurelist function doiflisthasentry function feetback function doiflisthaspageelse function fetchmultipar function doiflisthaspageelse function fetchmultipar function doiflocfileelse function fetchmultipar function doiflocfileelse function fetchmultishape function doifnot function fetchnomark function doifnotcounter function fetchnomark function doifnotcounter function figurefilename function doifnotecontent function figurefilepath function doifoderversionelse function figurerequest function doifoderversionelse function figurerequest function doifoderversionelse function figurerequest function doifposition function figurerequest function doifposition function figurerequest function doifposition function figurerequest function doifpositiononpage function figurerepect function figurerequest function doifpositionsonsamepageelse function figurerequest function doifpositionsonsamepageelse function figurererence function doifpositionsonsamepageelse function filterreference function doifpositionsonsamepageelse function filterreference function doifpositionsonthispageelse function finalizebox function function finalizebox	doifelsesavedfloat	function	enableparbuilder	function
doifelseutfmathaccent function enabletransparency function doifelseutfmathbelow function enhancelist function doifelsevisualizer function enhancelist function doiffieldcategoryelse function enhancereference function doiffieldelse function erasebuffer function doiffieldelse function expandcurrentreference function doiffieldestelse function expandcurrentreference function doiffileexistelse function exportformdata function doiffileexistelse function extensiblecode function doiffinetelse function feature function doifinsetelse function feature function doiflaspayearelse function featurelist function doiflisthasentry function feedback function doiflisthasentry function feetchallmarks function doiflosfileelse function fetchmultipar function doiflosfileelse function fetchmultipar function doiflocfileelse function fetchmultishape function doifnot function fetchwarks function doifnot function fetchwarks function doifnoteconter function figurefilename function doifnotecontert function figurefilepath function doifoderversionelse function figurerequest function doifoderversionelse function figurerequest function doifposition function figurerequest function doifpositionelse function figurerequest function doifpositiononpage function figurerequest function doifpositiononpage function filterreference function doifpositionsonsamepageelse function filterreference function doifpositionsonsamepageelse function filterreference function doifpositionsonsamepageelse function finalizebox function function finalizebox function function finalizebox function function finalizebox function function function finalizebox function functio	doifelsespaces	function	enableregime	function
doifelseutfmathbelow function enhancelinkedlist function doiffeldeategoryelse function enhancereference function doiffieldelse function erasebuffer function doiffieldelse function expandcurrentreference function doiffieldestelse function exportformdata function doiffiledefinedelse function exportformdata function doiffiledexistelse function exportformdata function doiffinyntfileelse function extensiblecode function doiffinyntfileelse function feature function doiffinsetelse function feature function doiffishasentry function featurelist function doiflisthasentry function feedback function doiflisthaspageelse function fetchmultipar function doiflisthastitleelse function fetchmultipar function doiflocfileelse function fetchmultishape function doifnot function fetchnemark function doifnotcounter function figurefilename function doifnoteonsamepageasprevious function figurefilename function doifoderversionelse function figurestatus function doifparentfileelse function figurestatus function doifposition function function figurestatus function doifposition function figurestatus function doifpositionnopage function figurevariable function doifpositionsonsamepageelse function filetreference function doifpositionsonsamepageelse function filetreference function doifpositionsonsamepageelse function finalizebox function doifpositionsonsamepageelse function finalizebox function function finalizebox function doifpositionsonthispageelse function finalizebox function function function finalizebox function function finalizebox function function function finalizebox function function function finalizebox function function function finalizebox function function function function finalizebox function function function function finalizebox function function function function function finalizebox function function function function function finalizebox function funct	doifelseutfmathabove	function	enablespellchecking	function
doifelsevisualizer function enhancelist function doiffieldcategoryelse function enhancereference function doiffieldelse function exapendcurrentreference function doiffieldestelse function expandcurrentreference function doiffilededinedlse function exportformdata function doiffileexistelse function exportreferences function doiffileexistelse function extensiblecode function doiffinyntfileelse function feature function doiffinyntfileelse function feature function doiffinyntfileelse function feature function doifleapyearelse function feedback function doiflisthasentry function feedback function doiflisthasnumberelse function fetchallmarks function doiflisthaspageelse function fetchmultipar function doiflocfileelse function fetchnwarks function doiflocfileelse function fetchnwarks function doifnot function fetchnoemark function doifnotcounter function fetchtwomarks function doifnoteontent function figurefilename function doifnoteonsamepageasprevious function figurefilepath function doifoperterencefoundelse function figurestatus function doifoverlappingelse function figurestatus function doifposition function figurevariable function doifposition function figurevariable function doifpositionsonsamepageelse function filterdefaultreference function doifpositionsonsamepageelse function finalizebox function doifpositionsonthispageelse function finalizebox function function function finalizebox function function function finalizebox function function function finalizebox function function function function finalizebox function function function function finalizebox function function function function function finalizebox function function function function function finalizebox function	doifelseutfmathaccent	function	enabletransparency	function
doiffieldcategoryelse function enhancereference function doiffieldelse function erasebuffer function doiffieldestelse function expandcurrentreference function doiffiledefinedelse function exportformdata function doiffileexistelse function exportformdata function doiffirstcharelse function extensiblecode function doiffinstelse function feature function doifinputfileelse function feature function doifleapyearelse function feature function doiflesthasentry function feedback function doiflisthasentry function fetchallmarks function doiflisthaspageelse function fetchmultipar function doiflotfileelse function fetchmultipar function doiflotfileelse function fetchonemark function doifnot function fetchonemark function doifnotcounter function fetchtwomarks function doifnotecontent function figurefilename function doifnotecontent function figurefilename function doifoverlappingelse function figurerequest function doifparentfileelse function figurestatus function doifposition function figurestatus function doifposition function figurestatus function doifposition function figurererence function doifpositionsonsamepageelse function filetererence function doifpositionsonsamepageelse function filetererence function doifpositionsonsamepageelse function findtwopassdata function doifpurcedinedlse function findtwopassdata function findtuction findtuction function function findtwopassdata function findtucdinedifunction function findtwopassdata function findtucdinedifunction function findtwopassdata function findtucdinedifunction function findtwopassdata function function findtucdinedifunction function findtwopassdata	doifelseutfmathbelow	function	enhancelinkedlist	function
doiffieldelse function expandcurrentreference function doiffieldsetelse function exportformdata function doiffileexistelse function exportreferences function doiffirstcharelse function extensiblecode function doiffinputfileelse function feature function doifinsetelse function featureattribute function doiflishasentry function feedback function doiflishasentry function feethmultipar function doiflishastitleelse function fetchmultipar function doiflocfileelse function fetchmultishape function doiflocfileelse function fetchonemark function doiflocfileelse function fetchonemark function doifnot ounter function fetchwomarks function doifnotecontent function figurefilename function doifnoteonsamepageasprevious function figurefilepath function doifnotereferencefoundelse function figurestatus function doifnoteritielse function figurestatus function doifnoteritielse function figurestatus function doifnoterenterificelse function figurestatus function doifnoterenterificelse function figurestatus function doifnoterenterificelse function figurestatus function doifnoterificelse function figurestatus function doifnosition function figurestatus function doifnositionsonsamepageelse function figurestatureference function doifnositionsonsamepageelse function filerdefaultreference function doifnositionsonsamepageelse function findtwopassdata function doifnositionsonshispageelse function findtwopassdata function function findtwopassdata	doifelsevisualizer	function	enhancelist	function
doiffieldsetelsefunctionexpandcurrentreferencefunctiondoiffiledefinedelsefunctionexportformdatafunctiondoiffileexistelsefunctionexportreferencesfunctiondoiffirstcharelsefunctionextensiblecodefunctiondoifinputfileelsefunctionfeaturefunctiondoifinsetelsefunctionfeaturelistfunctiondoifleapyearelsefunctionfeaturelistfunctiondoiflisthasentryfunctionfeedbackfunctiondoiflisthasnumberelsefunctionfetchallmarksfunctiondoiflisthaspageelsefunctionfetchmultiparfunctiondoiflisthastitleelsefunctionfetchonemarkfunctiondoiflotcfileelsefunctionfetchonemarkfunctiondoifnotcounterfunctionfetchyosboxesfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnoteconsamepageaspreviousfunctionfigurefilepathfunctiondoifolderversionelsefunctionfigurefiletypefunctiondoifportiolerreferencefoundelsefunctionfigurestatusfunctiondoifportionelsefunctionfigurevariablefunctiondoifpositionelsefunctionfilterreferencefunctiondoifpositionnonpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunctio	doiffieldcategoryelse	function	enhancereference	function
doiffiledefinedelsefunctionexportformdatafunctiondoiffileexistelsefunctionexportreferencesfunctiondoiffirstcharelsefunctionextensiblecodefunctiondoifinputfileelsefunctionfeaturefunctiondoifinsetelsefunctionfeatureattributefunctiondoifleapyearelsefunctionfeaturelistfunctiondoiflisthasentryfunctionfeedbackfunctiondoiflisthasnumberelsefunctionfetchallmarksfunctiondoiflisthaspageelsefunctionfetchmultiparfunctiondoiflisthastitleelsefunctionfetchmultishapefunctiondoiflocfileelsefunctionfetchonemarkfunctiondoifnotfunctionfetchposboxesfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnotecontentfunctionfigurefilepathfunctiondoifolderversionelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurestatusfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifpositionfunctionfigurevariablefunctiondoifpositiononpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfindtwopassdatafunctiondoifprositionsonthispageelsefunctionfindtwopassdatafunction	doiffieldelse	function	erasebuffer	function
doiffileexistelse function exportreferences function doiffirstcharelse function extensiblecode function doifinputfileelse function feature function doifinsetelse function featureattribute function doifleapyearelse function featurelist function doiflisthasentry function feedback function doiflisthasnumberelse function fetchallmarks function doiflisthaspageelse function fetchmultipar function doiflisthastitleelse function fetchmultipar function doiflocfileelse function fetchonemark function doifnot function fetchonemark function doifnot function fetchwomarks function doifnotcounter function fetchwomarks function doifnotecontent function figurefilename function doifobjectreferencefoundelse function figurefiletype function doifolderversionelse function figurerequest function doifposition function figurevariable function doifposition function figurevariable function doifpositionelse function filterdefaultreference function doifpositionnopage function filterreference function doifpositionsonsamepageelse function finalizebox function doifpositionsonsamepageelse function finalizebox function function finalizebox function finalizebox function function function finalizebox function function function finalizebox function functi	doiffieldsetelse	function	expandcurrentreference	function
doiffirstcharelse function feature function doifinsetelse function feature function doifinsetelse function featurelist function doifleapyearelse function featurelist function doiflisthasentry function feedback function doiflisthasnumberelse function fetchallmarks function doiflisthaspageelse function fetchallmarks function doiflisthastitleelse function fetchaultipar function doiflocfileelse function fetchonemark function doifnot function fetchonemark function doifnotcounter function fetchwarks function doifnotecontent function figurefilename function doifnoteconsamepageasprevious function figurefilepath function doifobjectreferencefoundelse function figurerequest function doifoverlappingelse function figurestatus function doifposition function figurevariable function doifposition function figurevariable function doifpositionlese function figurevariable function doifpositionsonsamepageelse function finalizebox function doifpositionsonthispageelse function finalizebox function function finalizebox function figuretion function figuretion function figuretion function function figuretionsonsamepageelse function finalizebox function function function finalizebox function finalizebox function finalizebox function finalizebox function function function function finalizebox function function function function finalizebox function f	doiffiledefinedelse	function	exportformdata	function
doifinputfileelsefunctionfeaturefunctiondoifinsetelsefunctionfeatureattributefunctiondoifleapyearelsefunctionfeaturelistfunctiondoiflisthasentryfunctionfeedbackfunctiondoiflisthasnumberelsefunctionfetchallmarksfunctiondoiflisthaspageelsefunctionfetchmultiparfunctiondoiflotfileelsefunctionfetchmultishapefunctiondoiflotfileelsefunctionfetchonemarkfunctiondoifnotfunctionfetchposboxesfunctiondoifnotcounterfunctionfigurefilenamefunctiondoifnoteonsamepageaspreviousfunctionfigurefilepathfunctiondoifnoteonsamepageaspreviousfunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurerequestfunctiondoifolderversionelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigureusedfunctiondoifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doiffileexistelse	function	exportreferences	function
doifinsetelsefunctionfeatureattributefunctiondoifleapyearelsefunctionfeaturelistfunctiondoiflisthasentryfunctionfeedbackfunctiondoiflisthasnumberelsefunctionfetchallmarksfunctiondoiflisthaspageelsefunctionfetchmultiparfunctiondoiflocfileelsefunctionfetchonemarkfunctiondoifnotfunctionfetchposboxesfunctiondoifnotcounterfunctionfetchtwomarksfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnoteonsamepageaspreviousfunctionfigurefilepathfunctiondoifolderversionelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigurevariablefunctiondoifpositionfunctionfilterdefaultreferencefunctiondoifpositiononpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doiffirstcharelse	function	extensiblecode	function
doifleapyearelse function featurelist function doiflisthasentry function feedback function doiflisthasnumberelse function fetchallmarks function doiflisthaspageelse function fetchmultipar function doiflisthastitleelse function fetchmultishape function doiflocfileelse function fetchonemark function doifnot function fetchposboxes function doifnotcounter function fetchtwomarks function doifnotecontent function figurefilename function doifnoteonsamepageasprevious function figurefilepath function doifolderversionelse function figurerequest function doifoverlappingelse function figurestatus function doifposition function figurevariable function doifposition function figurevariable function doifpositionsonsamepageelse function finalizebox function doifpositionsonshispageelse function finalizebox function doifposition function finalizebox function doifunction doifunctionshipposition function finalizebox function function function finalizebox function doifunction function finalizebox function function finalizebox function function finalizebox function function finalizebox function finalizebox function function finalizebox function finalizebox function finalizebox function function finalizebox function finalizebox function function finalizebox function finalizebox function finalizebox function function finalizebox function finalizebox function function function finalizebox function functi	doifinputfileelse	function	feature	function
doiflisthasentryfunctionfeedbackfunctiondoiflisthasnumberelsefunctionfetchallmarksfunctiondoiflisthastitleelsefunctionfetchmultiparfunctiondoiflocfileelsefunctionfetchonemarkfunctiondoifnotfunctionfetchposboxesfunctiondoifnotcounterfunctionfetchtwomarksfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnoteonsamepageaspreviousfunctionfigurefilepathfunctiondoifobjectreferencefoundelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurestatusfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigurevariablefunctiondoifpositionfunctionfilterdefaultreferencefunctiondoifpositionsonspagefunctionfilterreferencefunctiondoifpositionsonshhispageelsefunctionfinalizeboxfunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doifinsetelse	function	featureattribute	function
doiflisthasnumberelsefunctionfetchallmarksfunctiondoiflisthaspageelsefunctionfetchmultiparfunctiondoiflisthastitleelsefunctionfetchmultishapefunctiondoiflocfileelsefunctionfetchonemarkfunctiondoifnotfunctionfetchposboxesfunctiondoifnotcounterfunctionfetchtwomarksfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnoteonsamepageaspreviousfunctionfigurefilepathfunctiondoifobjectreferencefoundelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurestatusfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigurevariablefunctiondoifpositionfunctionfilterdefaultreferencefunctiondoifpositionsonpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doifleapyearelse	function	featurelist	function
doiflisthaspageelsefunctionfetchmultiparfunctiondoiflisthastitleelsefunctionfetchmultishapefunctiondoiflocfileelsefunctionfetchonemarkfunctiondoifnotfunctionfetchposboxesfunctiondoifnotcounterfunctionfetchtwomarksfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnoteonsamepageaspreviousfunctionfigurefiletypefunctiondoifobjectreferencefoundelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurestatusfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigurevariablefunctiondoifpositionfunctionfilterdefaultreferencefunctiondoifpositionsonspagefunctionfilterreferencefunctiondoifpositionsonshhispageelsefunctionfinalizeboxfunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doiflisthasentry	function	feedback	function
doiflisthastitleelsefunctionfetchmultishapefunctiondoiflocfileelsefunctionfetchonemarkfunctiondoifnotfunctionfetchposboxesfunctiondoifnotcounterfunctionfetchtwomarksfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnoteonsamepageaspreviousfunctionfigurefilepathfunctiondoifobjectreferencefoundelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurestatusfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigureusedfunctiondoifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositionsonsamepageelsefunctionfilterreferencefunctiondoifpositionsonthispageelsefunctionfinalizeboxfunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doiflisthasnumberelse	function	fetchallmarks	function
doiflocfileelsefunctionfetchonemarkfunctiondoifnotfunctionfetchposboxesfunctiondoifnotcounterfunctionfetchtwomarksfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnoteonsamepageaspreviousfunctionfigurefiletypefunctiondoifobjectreferencefoundelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurerequestfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigureusedfunctiondoifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doiflisthaspageelse		fetchmultipar	function
doifnotfunctionfetchposboxesfunctiondoifnotcounterfunctionfetchtwomarksfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnoteonsamepageaspreviousfunctionfigurefilepathfunctiondoifobjectreferencefoundelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurerequestfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigureusedfunctiondoifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositionsonsamepageelsefunctionfilterreferencefunctiondoifpositionsonthispageelsefunctionfinalizeboxfunctiondoifurldefinedelsefunctionfindtwopassdatafunction	doiflisthastitleelse	function		function
doifnotcounterfunctionfetchtwomarksfunctiondoifnotecontentfunctionfigurefilenamefunctiondoifnoteonsamepageaspreviousfunctionfigurefilepathfunctiondoifobjectreferencefoundelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurerequestfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigureusedfunctiondoifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositionsonsamepageelsefunctionfilterreferencefunctiondoifpositionsonthispageelsefunctionfinalizeboxfunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doiflocfileelse	function	fetchonemark	function
doifnotecontent function figurefilename function doifnoteonsamepageasprevious function figurefilepath function doifobjectreferencefoundelse function figurefiletype function doifolderversionelse function figurerequest function doifoverlappingelse function figurestatus function doifparentfileelse function figureused function doifposition function figurevariable function doifpositionelse function filterdefaultreference function doifpositionsonsamepageelse function finalizebox function doifpositionsonthispageelse function findtwopassdata function doifurldefinedelse function firstcountervalue function	doifnot	function	fetchposboxes	function
doifnoteonsamepageaspreviousfunctionfigurefilepathfunctiondoifobjectreferencefoundelsefunctionfigurefiletypefunctiondoifolderversionelsefunctionfigurerequestfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigureusedfunctiondoifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositionsonpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doifnotcounter	function		function
doifobjectreferencefoundelse function figurefiletype function doifolderversionelse function figurerequest function doifoverlappingelse function figurestatus function doifparentfileelse function figureused function doifposition function figurevariable function doifpositionelse function filterdefaultreference function doifpositionsonsamepageelse function finalizebox function doifpositionsonthispageelse function findtwopassdata function doifurldefinedelse function firstcountervalue function	doifnotecontent		_	function
doifolderversionelsefunctionfigurerequestfunctiondoifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigureusedfunctiondoifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositiononpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doifnoteonsamepageasprevious			
doifoverlappingelsefunctionfigurestatusfunctiondoifparentfileelsefunctionfigureusedfunctiondoifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositiononpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	-			
doifparentfileelsefunctionfigureusedfunctiondoifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositiononpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction			-	
doifpositionfunctionfigurevariablefunctiondoifpositionelsefunctionfilterdefaultreferencefunctiondoifpositiononpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doifoverlappingelse	function	figurestatus	function
doifpositionelsefunctionfilterdefaultreferencefunctiondoifpositiononpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doifparentfileelse	function	figureused	
doifpositiononpagefunctionfilterreferencefunctiondoifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction		function	figurevariable	function
doifpositionsonsamepageelsefunctionfinalizeboxfunctiondoifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction	doifpositionelse	function	filterdefaultreference	function
doifpositionsonthispageelsefunctionfindtwopassdatafunctiondoifurldefinedelsefunctionfirstcountervaluefunction				
doifurldefinedelse function firstcountervalue function				
				function
doprocesstypescriptfile function firstinset function				function
	doprocesstypescriptfile	function	firstinset	function

flushfloat	function	getprogram	function
flushnotes	function	getrandomcounta	function
flushpostponedblocks	function	getrandomcountb	function
flushpostponednotes	function	getrandomseed	function
fontchar	function	getrandomseed	function
fontcollectionclone	function	getsubstring	function
fontcollectiondefine	function	gettexbuffer	function
fontcollectionprepare	function	gettwopassdata	function
fontcollectionregister	function	gettwopassdatalist	function
fontcollectionreport	function	geturl	function
fontcollectionreset	function	grabbuffer	function
fontlookupgetkey	function	hboxtovbox	function
fontlookupgetkeyofindex	function	helpaction	function
fontlookupinitialize	function	helpreference	function
fontlookupnoffound	function	hexstringtonumber	function
forceendjob	function	horizontalcode	function
forcequitjob	function	hour	function
format	function	hyphenatedlist	function
formatcolor	function	hyphenatedurl	function
formatgray	function	D characters	
freezerandomseed	function	N lefthyphenmin	
from	function	D mapping	
getbidimode	function	N righthyphenmin	
getbuffer	function	F setcharacters	
getbufferctxlua	function	incrementedcounter	function
getbuffermkvi	function	initializetexdirectives	function
getcommandline	function	initializetextrackers	function
getctxfile	function	injectcurrentreference	function
getcurrentprefixspec	function	injectreference	function
getcurrentreferencemetadata	function	inlinechemical	function
getdefaultfieldvalue	function	insertattachment	function
getfieldcategory	function	insertcomment	function
getfirstcharacter	function	insertfield	function
getfirsttwopassdata	function	insertionnumber	function
getfloatvariable	function	insertrenderingwindow	function
getinternalreference	function	insertsoundclip	function
getlasttwopassdata	function	installedlanguages	function
getmarking	function	installtexdirective	function
getmessage	function	installtextracker	function
getmpextensions	function	languagenumber	function
getnotestate	function	lastcountervalue	function
getplaceholderchar	function	lchexnumber	function
getprivateattribute	function	lchexnumbers	function
getprivatechar	function	leapyear	function

linenumbersstageone	function	nextcountervalue	function
linenumbersstagetwo	function	nextparallel	function
listgroupindex	function	nofdays	function
listlabel	function	nofitems	function
listlocation	function	nofstackedfloats	function
listprefixednumber	function	notedeltapage	function
listprefixedpage	function	notelistindex	function
listrealpage	function	notenumberpage	function
listsize	function	noteprefixednumber	function
listtitle	function	notesymbolpage	function
listuserdata	function	notetitle	function
loadbtxdefinitionfile	function	ntimes	function
loadexamodes	function	number	function
loadfontgoodies	function	numbers	function
loadspellchecklist	function	objectnumber	function
loadtypescriptfile	function	objectpage	function
loadvisualizer	function	octnumber	function
locatefilepath	function	octstringtonumber	function
locfilename	function	ordinal	function
lower	function	overloadbookmark	function
makeactive	function	<pre>page_injections_flush_after</pre>	function
markfonts	function	<pre>page_injections_flush_before</pre>	function
markregionbox	function	<pre>page_injections_save</pre>	function
math_frac	function	pagestaterealpage	function
mathrenderset	function	parpos	function
maxitemwidth	function	pdfrotation	function
minute	function	pdfstartmatrix	function
mixcleanup	function	pdfstartmirroring	function
mixfinalize	function	pdfstartrotation	function
mixflushlist	function	pdfstartscaling	function
mixflushrest	function	pdfstopmatrix	function
mixgetsplit	function	pdfstopmirroring	function
mixsetsplit	function	pdfstoprotation	function
mixstate	function	pdfstopscaling	function
molecule	function	percentageof	function
month	function	pgfxcolorspec	function
monthmnem	function	placeparallel	function
monthname	function	popfloat	function
mpcolor	function	popitaliccorrection	function
mpoptions	function	poplist	function
mprunvar	function	popreferenceprefix	function
namedstructureuservariable	function	popregime	function
namedstructurevariable	function	popsectionblock	function
nbfs	function	pos	function

posplus	function	registerrendering	function
posstrut	function	registersoundclip	function
postponenotes	function	registerstructureprocessor	function
poswhd	function	registertransparency	function
posxy	function	registerunit	function
prepareMPvariable	function	relatemarking	function
preparedfile	function	remapentity	function
presetsymbollist	function	removemissingcharacters	function
presettabulate	function	renderingvar	function
prevcountervalue	function	replacemissingcharacters	function
processbuffer	function	replacepospxywhd	function
processcolorcomponents	function	resavefloat	function
processedfile	function	resetcharacteralign	function
processedfiles	function	resetcounter	function
processfile	function	resetfontfeature	function
processfilemany	function	resetfontsolution	function
processfilenone	function	resetmarking	function
processfileonce	function	resetmathattributes	function
processlist	function	resetmathitalics	function
processsplit	function	resetnullfont	function
pushfloat	function	resetparallel	function
pushitaliccorrection	function	resetprevdepth	function
pushlist	function	resetreference	function
pushreferenceprefix	function	resetstructureprocessor	function
pushregime	function	resettimer	function
pushsectionblock	function	restartcounter	function
rawcharacter	function	restorecounter	function
rawcountervalue	function	restorecurrentattributes	function
rawdate	function	restorenote	function
referencepagestate	function	romannumerals	function
referencerealpage	function	runbuffer	function
registerattachment	function	safechar	function
registerbookmark	function	savebuffer	function
registerbuttons	function	savecounter	function
registercolor	function	savecurrentattributes	function
registercolorintent	function	savedlistnumber	function
registeredviewerlayer	function	savedlistprefixednumber	function
registerhelp	function	savedlisttitle	function
registeritemgroup	function	savefloat	function
registerlanguagefeatures	function	savenote	function
registerlinenumbering	function	saveobject	function
registermaintextcolor 	function	saveparallel	function
registernamespace	function	savestructureblock	function
registerpostponedblock	function	savetaggedtwopassdata	function

savetwopassdata	function	setmathattribute	function
second	function	setmathdirection	function
selectstructureblock	function	setmathitalics	function
setbreakpoints	function	setmathstyle	function
setbtxdataset	function	setnextinternalreference	function
setbtxentry	function	setnotestate	function
setcharacteralign	function	setnotesymbolpage	function
setcharactercasing	function	setobject	function
setcharactercleaning	function	setopendocumentaction	function
setcharacterkerning	function	setopenpageaction	function
setcharacterspacing	function	setowncounter	function
setcharacterstripping	function	setpagestate	function
setclosedocumentaction	function	setpagestaterealpageno	function
setclosepageaction	function	setpagetransition	function
setcolormodel	function	setparbuilder	function
setcounter	function	setpos	function
setdataset	function	setrandomseed	function
setdigitsmanipulation	function	setrealign	function
setdirection	function	setreferencearguments	function
setdocumentenvironments	function	setreferenceattribute	function
setdocumentfilenames	function	setreferenceoperation	function
setdocumentmodes	function	setreplacements	function
setdocumentmodules	function	setsectionblock	function
setfigurelookuporder	function	setstructureblockstate	function
setfirstline	function	settagcombination	function
setfontfeature	function	settagdescription	function
setfontofid	function	settagdescriptionsymbol	function
setfontsolution	function	settagfigure	function
setformat	function	settaghighlight	function
setformsmethod	function	settagitemgroup	function
setinitial	function	settagproperty	function
setinsertionlocation	function	settagsorting	function
setinterfaceconstant	function	settagsynonym	function
setinterfaceelement	function	settagtablecell	function
setinterfacemessage	function	settagtabulatecell	function
setinterfacemessages	function	setupbookmarks	function
setinterfacevariable	function	setupcanvas	function
setinternalreference	function	setupcharacterspacing	function
setlanguageexceptions	function	setupexport	function
setlanguagesynonym	function	setupfontexpansion	function
setlayer	function	setupfontprotrusion	function
setmarking	function	setupidentity 	function
setmathalphabet	function	setupinsertion	function
setmathalternate	function	setupitaliccorrection	function

setuplinenumbering	function	stoptext	function
setvisual	function	stopviewerlayer	function
setxmpfile	function	storejavascriptcode	function
showassignerror	function	storejavascriptpreamble	function
showattributes	function	storenote	function
showbtxdatasetcompleteness	function	strdp	function
showbtxdatasetfields	function	strhd	function
showcallbacks	function	strht	function
showchardata	function	structureautocatcodedget	function
showcounter	function	structurecatcodedget	function
showfontparameters	function	structuregivencatcodedget	function
showhyphenatedinlist	function	structurenumber	function
showjustification	function	structuretitle	function
showmessage	function	structureuservariable	function
sin	function	structurevariable	function
sind	function	strwd	function
splitfilename	function	subcountervalues	function
spotcolorname	function	synchronizecolormodel	function
spotcolorparent	function	synchronizemarking	function
spotcolorvalue	function	taggedmathfunction	function
startchemical	function	tan	function
startcolorset	function	tand	function
startcomponent	function	testcase	function
startenvironment	function	textime	function
startfontsolution	function	thefirstcharacter	function
startparbuilder	function	theremainingcharacters	function
startproduct	function	thetexdefinition	function
startproject	function	transparencycomponents	function
startregime	function	triggereffect	function
startsectionlevel	function	triggernegative	function
starttag	function	truefilename	function
starttext	function	typebuffer	function
startviewerlayer	function	typefile	function
stopchemical	function	typestring	function
stopcolorset	function	uchexnumber	function
stopcomponent	function	uchexnumbers	function
stopenvironment	function	undefinechemical	function
stopfontsolution	function	unicodechar	function
stopparbuilder	function	unit	function
stopproduct	function	unloadlanguage	function
stopproject	function	upper	function
stopregime	function	useMPlibrary	function
stopsectionlevel	function	useanyfile	function
stoptag	function	usebtxdataset	function

usecldfile	function
usecolors	function
usecomponent	function
useenvironment	function
usefile	function
usejavascriptpreamble	function
usejavascriptscripts	function
uselibrary	function
useluafile	function
useluamodule	function
usemodules	function
usepath	function
useproduct	function
useproject	function
usesubpath	function
usesymbols	function
usetexfile	function
useurl	function
usexmlfile	function
usezipfile	function
utfchar	function
utfmathclass	function
utfmathcommand	function
utfmathcommandabove	function
utfmathcommandbelow	function
utfmathfiller	function
utfmathstretch	function
vboxlisttohbox	function
verbose	function
visual	function
vspacing	function
vspacingcollapse	function
vspacingdefine	function
vspacingsetamount	function
vspacingsnap	function
way	function
weekday	function
weekdayname	function
writestatus	function
x_table_c	function
x_table_cleanup	function
x_table_construct	function
x_table_create	function
x_table_flush	function

x_table_init_construct	function
x_table_init_reflow_height	function
x_table_init_reflow_width	function
x_table_next_row	function
x_table_r	function
x_table_reflow_height	function
x_table_reflow_width	function
x_table_set_construct	function
x_table_set_reflow_height	function
x_table_set_reflow_width	function
year	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	verbose	table
Character	function	D data	
Characters	function	F translate	
Romannumerals	function	weekday	function
abjadnodotnumerals	function	year	function
abjadnumerals	function		
alphabetic	function		
character	function		
characters	function		
chineseallnumerals	function		
chinesecapnumerals	function		
chinesenumerals	function		
chr	function		
chrs	function		
convert	function		
define	function		
hexstringtonumber	function		
hour	function		
isleapyear	function		
lchexnumber	function		
lchexnumbers	function		
leapyear	function		
maxchrs	function		
minute	function		
month	function		
nofdays	function		
number	function		
numbers	function		
octnumber	function		
octstringtonumber	function		
ordinal	function		
rawcharacter	function		
romannumerals	function		
second	function		
sequences	data table		
textime	function		
toabjad	function		
tochinese	function		
toroman	function		
uchexnumber	function		
uchexnumbers	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
gethook	function
getinfo	function
getlocal	function
getmetatable	function
getregistry	function
getupvalue	function
getuservalue	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 commandline

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 arguments data table **basicengines** data table currentrun number default texmfcnf strina data table engineflags filename strina files table data table filesynonyms function getargument homedir string initex boolean **initializearguments** function initializefilenames function **inputfilebarename** string inputfilename string **inputfilesuffix** strina iobfilename 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 data table rawarguments reconstructcommandline function relativepath function setargument function **splitarguments** function suffix string texfile function texmfos string texos string texroot string

truefilename validengines

function data table

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 function bitmapimage boxnumber number cachepaths data table check function checkers data table data table converters function current defaultdepth number defaultheight number defaultsearch boolean defaultwidth number function done dummy function existers data table exists function formats data table found data table function get auess function hash function identifiers data table function identify 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 function pop preferquality boolean programs data table push function registerpattern function registerresource function

registersuffix resources scale setlookups setorder setpaths suffixes

used

function data table function function function function data table data table

file (basic lua)

addsuffix	function
basename	function
checksum	function
collapsepath	function
сору	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
${\tt checked page float}$	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		<pre>constructors table</pre>
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 calculatescale
D initializers		F checkedfeatures
D methods		F checkedfilename
F setstate		F checkvirtualids
T states		F cleanuptable
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 useunicodemar		F virtual
checkers	table	F initializefeatures
F getmissing		T keys
F missing	±=61 =	T character
cid	table	S depth
F getmap		S height
F loadfile collections	table	S italic
	table	S width
F checkenabled F clonevector		T description
F define		T boundingbox S depth
T definitions		S height
F prepare		S width
F process		T parameters
F process F registermain		S ascender
i registeriiidili		3 ascender

S descender		S encodingbyt	es
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 noglyphname	es
S auto		S nostackmath	1
S quad		S psname	
S scaledpoints		S textitalics	;
S scriptpercentage		S virtualized	I
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	nofsharedhashe	S
S stretch	N	nofsharedvecto	rs
S width	N	privateoffset	
T synonyms	F	readanddefine	
S em	F	registerfeatur	е
S ex	В	resolvevirtual	too
S extra_space	F	scale	
S extraspace	F	scaled	
S slant	F	setfactor	
S space	F	setname	
S space_shrink	В	sharefonts	
S space_stretch	F	trytosharefont	
S spaceshrink	N	version	
S spacestretch	curr		function
S x_height		entid	function
S units	defi	ners	table
S vfactor		addlookup	
S xheight		analyze	
properties		applypostproce	ssors
S autoitalicamount		checkedmode	
T cidinfo	F	checkedscript	
S embedding	F	current	

S defaultlookup	F mathematics
F define	F protrusions
F getspecification	F solutions
F internal	F treatments
F loadfont	F typefaces
F makespecification	F load
T methods	F prepare_features
F install	F register
D variants	F registerpostprocessor
F read	F report
F register	<pre>handlers table</pre>
F registered	T afm
F registersplit	B addkerns
F resetnullfont	B addligatures
F resolve	B addtexligatures
T resolvers	B autoprefixed
F file	D cache
F name	D features
F spec	T helpdata
definetypeface function	D bothkerned
<pre>encodings table</pre>	D leftkerned
T agl	D ligatures
D cache	D rightkerned
F is_known	D texligatures
D known	F load
F load	F setfeatures
F make_unicode_vector	B syncspace
D math	N version
N version	T otf
expansions data table	F addfeature
formats data table	D cache
goodies table	T chainhandlers
D colorschemes	F normal
D data	F verbose
D designsizes	F collectlookups
D filenames	F dataset
F getcompositions	S defaultbasealternate
T list	S defaultnodealternate
F compositions	D enhancers
F designsizes	D features
F expansions	F fileformat
F featureset	F getalternate
F filenames	T glists
F files	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 fontpatternhas	ssize
D scripts	F getdigitwidth	
N version	F getparameters	
T pfb	F getprivatenode	9
T tfm	F hasprivate	
D features	F name	
F setfeatures	F nametoslot	
T vf	F setdigitwidth	
T combinations	F splitfontpatte	
F combine	iterators	table
T combiner	F characters	
D commands	F descriptions	
F find	F glyphs	4-13
D helpers	loggers	table

F add_placeholde		nulldata	data table data table
T category_to_p	tacenotder	protrusions	
s II		readers	table
S lm		F afm	
S lo		F check_lua	
S lt		F check_tfm	
S lu		F dfont	
S mc		F lua	
S me		F opentype	
S mn		F otf	
S nd		F pfb	
S nl		D sequence	
S no		F tfm	
S pc		F ttc	
S pd		F ttf	
S pe		select	table
S pf		T data	
S pi		F definetypef	ace
S po		T fallbacks	
S ps		F filterinput	
S sc		T methods	
S sk		F default	
S sm		F features	
S 50		F file	
F format		F goodies	
F onetimemessage	2	F name	
F register		F selectfon	t
F reportdefined	fonts	F simplefon	ts
F reportusedfeat	tures	F spec	
mappings	table	F style	
F addtounicode		F registerfal	lback
F fromunicode16		F searchfiles	
F loadfile		specifiers	table
F loadline		D contextmerg	ed
F loadlumtable		F contextnumb	er
F makenameparse	r	D contextnumb	ers
F reset		D contextsetu	ps
F tounicode16		F contexttost	
F tounicode16sed	quence	F defineconte	ext
mp	table	F mergecontex	t
D cache		F presetconte	
B inline		F registercon	
N version		F showcontext	
names	data table	F splitcontex	
names	data tubic	i spilicontex	

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
сору	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
   Finsert
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
               table
pages
   F setpagetransition
   F setupcanvas
references table
   F setclosedocument
   F setclosepage
   F setopendocument
   F setopenpage
              data table
renderings
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 function getmessage data table hashedsetups interfacedcommand function interfaces table invalidkev function function is command table namespaces

F define F list

registernamespace function setconstant function setelement function setformat function setmessage function function setmessages settranslation function function setuserinterface setvalidkeys function setvariable function function showmessage data table syntax 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 function o limiter o limiters table

T paranoid

open overloaded function

output function
pathseparator string

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

job (context)

comment	function	_	antcolloct	ad
datasets	table		getcollecto getdata	eu
D collected	table		getfield	
F extend			gettobesave	ad
F getdata			inlist	eu
F setdata			last	
D tobesaved			list	
disablesave	function		save	
files	table		save	
D collected	table		tobesaved	
F context			tions	table
B forcerun		-		table
F run			b_col	
D tobesaved			b_region c	
initialize	function		collected	
load	function		column	
loadother	function		сору	
objects	table		depth	
D collected	cubic		e_col	
F get			e_cot e_region	
F number			enhance	
F page			extra	
F save			get	
F set			getreserve	4
D tobesaved			hangafter	4
pack	boolean		hangindent	
packversion			height	
pagestates	table		hsize	
D collected	cubic		leftskip	
F extend			lowerleft	
F realpage			lowerright	
F setstate			markregion	nnx
D tobesaved			n	30X
passes	table		onsamepage	
F check			overlapping	1
D collected			p	9
F count			p page	
F define			page	
F find			paragraph	
F first			position	
F get			r	
ı yet		Г	•	

- F region
- F replace
- F rightskip
- F set
- F setall
- F setdim
- D tobesaved
- F upperleft
- F upperright
- F width
- Fχ
- F xy
- Fу

structure

register function save function table

- D collected
- T components
- T tobesaved
 - T branches
 - S name
 - S type

variables table

- D checksums
- D collected
- F getchecksum
- F makechecksum
- 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 associated data table association function counters data table function current data data table define function table frequencies F averagecharwidth

F getdata

getnumber function
hyphenate function
installed function
labels table

F define F split

lefthyphenmin function function loadable function 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

T data
F disable
F enable
T enablers

B enables

F check

F found
F load
T methods
N threshold

layouts (context)

status table

F isleftpage

F leftorrightpagection

lfs (extra lua)

attributes function
chdir function
currentdir function
dir function

isfile function lock function lock dir function mkdir function mkdirs function readlink function rmdir function function setmode function shortname 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 function convertstring einject function eprint function escape function finalized function finject function fprint function get function getvariables function htmfile function html table Fa

F td

include function
inherited table

S color-background-four

S color-background-one

S color-background-three

S color-background-two

S title

initialize function inject function **lmxfile** function loadedfile function function new overloaderror function popupfile function function print function pν report function reset function result function function set 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

previous 64 next

logs (context)

application function categories function direct function disable function function enable exporters table extendbanner function flush function function help function messenger new function newline function function poptarget function pushtarget report function reportbanner function function reporter table reporters

> F banner F export

F help

F info

Flines

F version

function reportline reportlines function setformats function setformatters function setlogfile function setmessenger function setprocessor function function setprogram settarget function settimedlog function settranslations function show function show close function show load function function show open simple function simpleline function

simplelines function function start page number status function function stop_page_number subdirect function subreport function system function function texerrormessage writer function

lpdf (context)

injectxmpinfo

function

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

lpeg (basic lua)

В	function
C	function
Carg	function
Cb	function
Cc	function
Cf	function
Cg	function
Cmt	function
Ср	function
Cs	function
Ct	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 function
match	
oneof	function
patterns	data table function
print	
replacer	function function
secondofsplit setmaxstack	function
	function
split	i unc c10n

splitat function splitter function stripper function times function tsplitat function tsplitter function type function utfchartabletopattern 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 data table bytedata bytedone table collectgarbage function delay function function finalize firstbytecode number flush function flushdelayed function function getbytecode function getluaname number lastbytecode data table messages table name numbers data table registercode function registeredcodes function registerfinalizer function registername function setbytecode function function setluaname startupfile string version string

luatex (context)

cleanuptempfiles function
registerstartactions function
registerstopactions
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
doifelsetext	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 function	F add	
get_id	Tune LIUII	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 data table xmltexhandler

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
ехр	function
floor	function
fmod	function
frexp	function
huge	number
initialseed	number
ldexp	function
log	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
alphabets	data table
big	function
boldmap	table
categories	table
D functions	
checkaccentbaseheight	function
checkprivateparameters	function
classes	data table
codes	data table
define	function
dimensions	function
extensiblecode	function
extensibles	data table
extrabase	number
extras	table
F add	
F copy	
fallbacks	table
F apply	
F install	
fallbackstyleattr	function
families	data table
gaps	table
getboth	function
getstyle	function
initializeparameters	function
injectfallbacks	function
makefont	function
mapremap	data table
overloaddimensions	function
overloadparameters	function
privatebase	number
remapalphabets	function
	4-61-

table

function

function

function

renderings

renderset

resetitalics scaleparameters

D mappings
D numbers
D sets

setalternate function setitalics function syncboth function function syncname function syncstyle function toname tostyle function tweakaftercopyingfont function tweakbeforecopyingfont function tweaks table utfmathclass function utfmathcommand function utfmathfiller function utfmathstretch function

mbox (context)

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

md5 (extra lua)

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

metapost (context)

	function	anttoyt	function
analyzeplugins checkformat	function	gettext graphic	function function
checktexts	function	graphic_base_pass	function
collapse	boolean	instance	function
colorinitializer	function	intermediate	table
convert			table
	function	T actions	
defaultformat	string	F makempy	
defaultinstance defaultmethod	string	lastlog	string
	string	llx	number
directrun	function	lly	number
edefsxsy	function	load	function
escaped	function	makempy	table
exectime	table	N nofconverted	
extensiondata	data table	F processgraphics	
filterclippath	function	F registerfile	
finder	function	metafun	table
flush	function	F interpolate	
flushers	table	F topath	
T pdf		method	number
F comment		mptopdf	table
F flushfigure		F convertmpstopdf	
F startfigure		N nofconverted	
F stopfigure		multipass	boolean
F textfigure		n	number
flushliteral	function	nvformat	function
flushnormalpath	function	optimize	boolean
flushreset	function	parse	function
fonts	table	pdfliterals	function
F define		pluginactions	function
T flusher		process	function
F flushfigure		processplugins	function
F startfigure		processspecial	function
F stopfigure		quickanddirty	function
N instances		reducetogray	boolean
F process		reporterror	function
format	function	reset	function
format_number	function	resetlastlog	function
format_string	function	resetplugins	function
formatnumber	function	resettextexts	function
getclippath	function	setextensions	function
getextensions	function	setoutercolor	function

settext function
settextexts function
showlog boolean
svformat function
tex table

F get
F reset
F set

boolean texerrors function textextsdata theclippath function function totable unload function untagvariable function urx number number ury variables table

mime (extra lua)

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

mplib (extra tex)

fields function
finders table

F file

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 function process processors table T collapse F mlist_to_hlist T relocate T render T resize

T unscript

node (basic tex)

сору		function	F set_attribute	
copy_li	.st	function	F setbox	
count		function	F setfield	
current	_	function	F slide	
dimensi	.ons	function	F tail	
direct		table	F todirect	
F cop	у		F tonode	
F cop	y_list		F tostring	
F cou	nt		F traverse	
F cur	rent_attr		F traverse_id	
F dim	ensions		F unprotect_glyphs	
F do_	ligature_n		F unset_attribute	
F end	_of_math		F usedlist	
F fir	st_glyph		F vpack	
F flu	sh_list		F write	
F flu	sh_node		do_ligature_n	function
F fre	e		end_of_math	function
F get	box		family_font	function
F get	char		fields	function
F get	field		first_character	function
F get	font		first_glyph	function
F get	id		flush_list	function
F get	leader		flush_node	function
F get	list		free	function
F get	next		getchar	function
F get	prev		getfield	function
F get	subtype		getfont	function
F has	_attribute		getid	function
F has	_field		getleader	function
F has	_glyph		getlist	function
F hpa	ck		getnext	function
Fins	ert_after		getprev	function
Fins	ert_before		getsubtype	function
F is_	direct		has_attribute	function
F is_	node		has_field	function
F las	t_node		has_glyph	function
F len	gth		hpack	function
F new			id	function
F pro	tect_glyphs		insert_after	function
F pro	trusion_skippable		insert_before	function
F rem	ove		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
<pre>protrusion_skippable</pre>	function
remove	function
set_attribute	function
setfield	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	getattribute	function
aligned	function	getbox	function
append	function	getchar	function
astable	function	getfield	function
basepoints	function	getfont	function
builders	table	getid	function
F buildpage_filter		getleader	function
F vpack_filter		getlist	function
codes	data table	getnext	function
concat	function	getprev	function
сору	function	getskip	function
copy_list	function	getsubtype	function
count	function	gluecodes	data table
current_attr	function	glyphcodes	data table
delete	function	glyphdir_is_equal	data table
destinations	table	glyphdir_is_opposite	data table
N attribute		glyphdir_is_orthogonal	data table
T done		gonuts	boolean
F handler		handlers	table
T stack		F accessibility	
dimensionfields	data table	F alignbackgrounds	
dimensions	function	F backgrounds	
dir_is_pop	data table	F characters	
dir_negation	data table	F checkforleaks	
disccodes	data table	F checkglyphs	
discretionarycodes	data table	F cleanupbox	
do_ligature_n	function	F cleanuppage	
end_of_math	function	F export	
fasthpack	function	F finalize	
fencecodes	data table	F migrate	
fields	function	F protectglyphs	
fillcodes	data table	F stripping	
first_character	function	F unprotectglyphs	
first_glyph	function	has_attribute	function
firstcharacter	function	has_field	function
firstcharinbox	function	has_glyph	function
firstglyph	function	hpack	function
flush_list	function	idstostring	function
flush_node	function	ignorablefields	data table
free	function	injections	table
getattr	function	F handler	

mathcodes F installnewkern mlist to hlist F setcursive F setkern new noadcodes F setmark nodecodes F setpair insert after function nopts insert before function nuts insert list after function F append installattributehandler function F concat is direct function F copy is display math function F copy list is mirrored data table F count is node function F current attr is nut function F delete is rotated data table F dimensions kerncodes data table F do_ligature_n kernina function F end_of_math keys table F fasthpack T whatsit F first glyph last node function F firstcharacter leftmarginwidth function F firstcharinbox ligaturing function F firstalvph lines table F flush_list T boxed F flush node F register F free F setup F getattr F getattribute F stage_one F stage two F getbox F stage zero F getchar D data F getfield F finalize F getfont F number F getid N scratchbox F getleader link function F getlist linked function F getnext list function F getprev listablefields data table F getskip listcodes data table F getsubtype listtoutf function F has attribute load function F has field locate function F has_glyph margincodes data table F hpack markers table F insert after F get F insert before

data table function function data table data table function table F insert list after F temp F is direct F textdir F usage F is_display_math F is node T userids F is nut N margins.inline F kerning N splitters.one F last_node N splitters.two F leftmarginwidth Fuserlist F usernumber F ligaturing F link F userstring F linked F usertokens F vlist F locate F mlist_to_hlist F zeroglue F new F prepend T pool F protect_glyphs F baselineskip F protrusion_skippable F cleanup F reference F disc F remove F fontkern F repackhlist F glue F replace F gluespec F rightmarginwidth F glyph F set attribute F hlist F setattr F kern F setattribute F latelua F setattributes F leftmarginkern F setbox F leftskip F setfield F lineskip F setunsetattributes F noad F slide F pdfannotation F somepenalty F pdfdestination F somespace F pdfdirect F tail F pdfliteral F tonode F pdfrestore F tonodes F pdfsave F tonut F pdfsetmatrix F tostring F penalty F traverse F register F traverse_id F rightmarginkern T typesetters F rightskip F fast hpack F rule F hpack F shrink F tohpack F special F tohpackfast F stretch F tonodes

F tovpack		F register	
F tovpackfast		F rule	
F vpack		F special	
F unprotect_glyphs		F usage	
F unset_attribute		T userids	
F unsetattribute		N margins.inline	
F unsetattributes		N splitters.one	
F usedlist		N splitters.two	
F vianodes		prepend	function
F vianuts		print	function
F vpack		processors	table
F writable_spec		B enabled	
F write		F hpack_filter	
packlist	function	F post_linebreak_filter	
pardir_is_equal	data table	F pre_linebreak_filter	
pardir_is_opposite	data table	F tracer	
pardir_is_parallel	data table	processwords	function
partextdir_is_equal	data table	protect_glyphs	function
penaltycodes	data table	protrusion_skippable	function
plugindata	table	pts	function
F finalizer		reference	function
F initializer		references	table
S name		N attribute	
T namespace		T done	
N attribute		F handler	
D data		T stack	
F enable		remove	function
F handler		repackhlist	function
F register		replace	function
D registered		report	function
D values		rightmarginwidth -	function
F processor		rules	table
points	function	D data	
pool	table	F define	
F baselineskip		F enable	
F cleanup		F handler	
F glyph		save	function
F kern		serialize	function
F latelua		serializebox	function
F lineskip		set_attribute	function
F pdfannotation		setattr	function
F pdfdestination		setattribute	function
F pdfliteral		setattributes	function
F pdfsetmatrix		setbox	function

setfield	function function	textdir_is_opposite	data table
setunsetattributes shifts	table	textdir_is_parallel	data table
	table	tobasepoints tocentimeters	function function
D data		tociceros	function
F define		tociceros todidots	
F enable			function
F handler	function	todimen toinches	function
show	function		function
showboxes	function	tomillimeters	function
showcodes	function	tonewciceros	function
showlist	function	tonewdidots	function
showsimplelist	function	tonode	function
skipcodes	data table	tonodes	function
slide 	function	tonut	function
snapshots	table	topicas	function
F getparameters		topoints	function
F getsamples		toscaledpoints	function
F resetsamples		tosequence	function
F takesample		tostring	function
somepenalty	function	totable	function
somespace	function	totree	function
stripping	table	toutf	function
T glyphs		tracers	table
F set		T characters	
striprange	function	F collect	
tail	function	F equal	
tasks	table	F indices	
F actions		F start	
F appendaction		F string	
F disableaction		F unicodes	
F disablegroup		T colors	
F enableaction		F reset	
F enablegroup		F set	
F freeze		F setlist	
F freezegroup		F fontchar	
F new		T frequencies	
F prependaction		F register	
F removeaction		T pool	
F restart		T nodes	
F setaction		F rule	
F showactions		T nuts	
F table		F rule	
textdir_is_equal	data table	F resetproperties	
textdir_is_is	data table	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 function traverse id table typesetters F hpack F tohpack F tohpackfast F tonodes F tovpack F tovpackfast F vpack unprotect_glyphs function unset attribute function unsetattribute function unsetattributes function usedlist function

vianodes

vianuts

visualizebox

visualizers

F box
F handler
F markfonts
F setfont

F setlayer F setvisual

vpack function
whatcodes data table
whatsitcodes data table
writable_spec function
write function

function

function

function

table

number (context)

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

os (basic lua)

__getenv__ function setenv function binsuffix string **binsuffixes** table clock function converttime function date function difftime function data table env overloaded function exec execute overloaded function exit function fulltime function overloaded function aetenv gettimeofday function isleapyear function launch function libsuffix strina localtime function name string nofdays function function now string platform function remove function rename resolvers table F bits resultof function runtime function selfdir string seteny overloaded function setlocale overloaded function sleep function overloaded function spawn function time times function timezone function tmpdir function function tmpname today function

string

type

uname
uuid function
validdate function
weekday function
where function
which function

package (basic lua)

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

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

pdfscanner (context)

scan function

physics (context)

units table
 D tables

profiler (extra lua)

pause function
resume function
start function
stop function

publications (context)

F resolve

addtexentry	function	F setmethod	
analyze	function	T sorters	
authors	table	F author	
F concat		F dataset	
F inverted		F default	
F invertedshort		F short	
F normal		listvariants	table
F normalshort		F default	
F preparedsort		F num	
F setsettings		F short	
F short		load	function
F sorted		loadbibdata	function
F splitstring		loaders	table
citeconcat	function	F bib	
citevariants	table	F endnote	
F author		F lua	
F authornum		F refman	
F authoryear		F xml	
F authoryears		markasupdated	function
F default		new	function
F num		refman_to_btx	function
F page		singularorplural	function
F serial		statistics	table
F short		N nofbytes	
collected	data table	N nofdatasets	
converttoxml	function	N nofdefinitions	
datasets	table	N nofshortcuts	
endnotes_to_btx	function	tracers	table
enhance	function	T categories	
getindex	function	T article	
listconcat	function	T optional	
lists	table	T required	
F collectentries		T book	
F doifalreadyplaced		T optional	
F fetchentries		T required	
F filterall		T booklet	
F flushentries			
1 Traditioneries		T optional	
F nofregistered		T optional T required	
		·	
F nofregistered		T required	

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

regimes (context)

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

resolvers (context)

finders

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

function data table data table function function function data table string table function function table

D specification

data table

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 cleanname	
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)

table

autofontfeature

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 function bind S content-encoding choose function S content-id function connect 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 S host F open S if-match F put gettime function S if-modified-since headers table S if-none-match S if-range T canonic 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 last-modified S accept-ranges S action S location S age S max-forwards S message-id S allow S alternate-recipient S mime-version S original-envelope-id S arrival-date 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 recei	ved	sinkt	table
S recei	.ved-from-mta	F close-when-done	
S refer	rences	F default	
S refer	rer	F http-chunked	
S remot	re-mta	F keep-open	
S reply	v-to	skip	function
S repor	ting-mta	sleep	function
S reser	rt-bcc	smtp	table
S reser	rt-cc	S DOMAIN	
S reser	t-date	N PORT	
S reser	t-from	S SERVER	
S reser	t-message-id	N TIMEOUT	
S reser	t-reply-to	S ZONE	
S reser	t-sender	F message	
S reser	t-to	F open	
S retry	r-after	F send	
S retur	n-path	source	function
S sende		sourcet	table
S serve		F by-length	
	remote-recipient	F default	
S statu		F http-chunked	
S subje	ect	F until-closed	
S te		tcp	function
S to		tcp6	function
S trail		tp	table
	fer-encoding	N TIMEOUT	
S upgra		F connect	
S user-	agent	try	function
S vary		udp	function function
S via		udp6 url	table
S warni	retry-until	F absolu	
	nuthenticate	F build	
S x-mai		F build_path	
http	table	F build_path F escape	
N PORT		F parse	
N TIMEOUT F parse_p.		nath	
S USERAGI		F unescape	
F open			
F request	t		
newtry	function		
protect	function		
select	function		
sink	function		

sorters (context)

comparers table

F basic

constants table

S defaultdigits

S defaultlanguage

S defaultmethod

N digitsmaximum

N digitsoffset

N ignoredoffset

N replacementoffset

definitions data table

firstofsplit function

setlanguage

function

sort

function

splitters table

F utf

strip

function

tracers update

data table function

statistics (context)

function
function
function
function
function
boolean
function
number
function
function

status (basic tex)

list function

storage (context)

allocate function data table mark function marked function number max min number **nofmodules** number noftables number register function shared data table boolean strip 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)

autadauh] a	function	5 0 5 0 5 0 5 0 5 0 5
autodouble	function function	F %f %f %f %f %f cm
autosingle		F %l,
booleanstring	function function	F %p
byte		F %q,
bytepairs	function	F %s
bytes	function	F %s %s
char	function	F %s %s %s
characterpairs		F %s %s %s %t
characters	function	F %s %s %s %s
checkedsplit	function	F %s Tc %s w %s Tr
	function	F %s mul
count	function	F %s%s%s
dump	function	F %s,
escapedpattern	function	F %s%s
explode	function	F %s->%s->%s
find	function	F %s->%s->%s->%s->%s->%s
format	function	F %s:%s
formatter	function	F %s:%s:%s
formatters	function	F %s=%q
F {%t},		F %s={
F %t (%t)		F %w%l,
F %tcycle		F %w%q,
F %-10s: %s		F %W%S,
F %-15s :		F %w[%l]=%l,
F %-15s : %s		F %w[%l]=%q,
F %-15s >		F %w[%l]=%s,
F %-15s >		F %w[%l]={
F %-15s > %s		F %w[%l]={%, t },
F %-15s > %s		F %w[%l]={},
F %-15s > %s >		F %w[%q]=%l,
F %-15s > %s >		F %w[%q]=%q,
F %-15s > %s > %		F %w[%q]=%s,
F %-15s > %s > %		F %w[%q]={
	%.3f k %.3f %.3f %.3f K	F %w[%q]={%, t },
	rg %.3f %.3f %.3f RG	F %w[%q]={},
F %.3f g %.3f G		F %w[%s]=%l,
F %0.1fpt		F %w[%s]=%q,
F %0.8f %0.8f %0	0.81 %0.81	F %w[%s]=%s,
F %U		F %w[%s]={
F %U (%s)		F %w[%s]={%, t },
F %a loaded		F %w[%s]={},

F %w{	F concat
F %w{%, t },	F format
F %w{},	T lpeg
F %w},	F B
F (%p,%p)	F C
F /%s %s	F Carg
F /%s << %t >>	F Cb
F /%s [%t]	F Cc
F /%s cs /%s CS %s SCN %s scn	F Cf
F /Tr%s gs	F Cg
F 1 0 0 0 1 %f %f cm	F Cmt
F << %t >>	F Cp
F << /Type /Annot %s /Rect [%0.3f %0.3f %0.3f %0.3f] >>	F Cs
F M-H-%H	F Ct
F M-N-%H	F P
F MpSh%s	FR
F Tr%s	F S
F U+%04X:%s	F UP
F [%t]	F UR
F [%q]=	F US
F [%q]=%l,	F V
F [%q]=%q,	F afterprefix
F [%q]=%s,	F anywhere
F [%q]={	F append
F [%s]=	F balancer
F [%s]=%l,	F beforesuffix
F [%s]=%q,	F checkedsplit
F [%s]=%s,	F counter
F [%s][%s]	F endstripper
F \Umathchardef\%s "%X "%X "%X	F finder
F \convertnumber{%s}{%s}	F firstofsplit
F \ugdef\%s{\Udelimiter "%X "%X }	F frontstripper
F \ugdef\%s{\Udelimiter 0 "%X "%X }	F instringchecker
F \ugdef\%s{\Udelimiterover "%X "%X }	F is_lpeg
F \ugdef\%s{\Udelimiterunder "%X "%X }	F keeper
<pre>F \ugdef\%s{\Umathaccent 0 "%X "%X }</pre>	F locale
F \ugdef\%s{\Umathbotaccent 0 "%X "%X }	F match
F \ugdef\%s{\Uradical "%X "%X }	F oneof
F \ugdef\%s{\Uroot "%X "%X }	D patterns
F _bpnf_(%s,%s,%s,'%s')	F print
T _environment_	F replacer
F autodouble	F secondofsplit
F autosingle	F setmaxstack
F basepoints	F split

```
F splitat
                                                           F chem %s%s(%s,%s,"\chemicaltext{%s}");
                                                           F chem %s%s(%s,%s,%s,%s,%s);
   F splitter
                                                           F chem_%s(%s,%s,"");
   F stripper
   F times
                                                           F chem %s(%s,%s,%s);
   F tsplitat
                                                           F chem c%s(%s,%s,"");
   F tsplitter
                                                           F chem set(%s);
                                                           F type
   F utfchartabletopattern
                                                           F chem symbol("\chemicalsymbol[equilibrium]{%s}{%s}");
   F version
                                                           F chem symbol("\chemicalsymbol[gives]{%s}{%s}");
 F lpegmatch
                                                           F chem symbol("\chemicalsymbol[mesomeric]{%s}{%s}");
                                                           F chem symbol("\chemicaltext{%s}");
 U luaescape
 T nspaces
                                                           F chem trace boundingbox := %l ;
 F points
                                                           F d:%s:%s:%s
                                                           F dup %s mul exch dup %s mul exch %s mul
 F sequenced
                                                           F dup %s mul exch dup %s mul exch dup %s mul exch %s mul
 F signed
 F sparseexponent
 U texescape
                                                           F flushing realpage %s, userpage %s
 F tonumber
                                                           F jobname %a, input %a, result %a
 F tostring
                                                           F lang-frq-%s.lua
 F tracedchar
                                                           F language %a is active
                                                           F mfun_tt_w[%i] := %f ; mfun_tt_h[%i] := %f ; mfun_tt_d[%i]
 F type
 F utfbyte
                                                           F multilocs[%s] := %s ; multikind[%s] := "%s" ; multipars
 F utfchar
                                                           F multiregs[%s] := (%--t--cycle) shifted - %s;
 U xmlescape
                                                           F p:%s
T extensions
                                                           F p:%s:%s:%s:%s
 S chruni
                                                           F p=%1.3f
 S font: features
                                                           F p=%s
 S font:name
                                                           F path multiregs[], multipars[], multibox; string multik
 S lua
                                                           F path posboxes[], posregions[]; numeric pospages[]; nu
 S tex
                                                           F pdf: q 1 0 %f 1 0 0 cm
 S unichr
                                                           F pospages[%s] := %s ; posboxes[%s] := (%p,%p)--(%p,%p)--
 S xml
                                                           F processed mkvi file %a, delta %s
                                                           F q %f %f %f %f %f cm
F plib .b col(%q)
F _plib_.b_region(%q)
                                                           F r:%s:%s:%s
F _plib_.e_col()
                                                           F r=%1.3f%sq=%1.3f%sb=%1.3f
F _plib_.e_region(%s)
                                                           F region:%s
F _plib_.enhance(%q)
                                                           F return {
S _preamble_
                                                           F return {%t}
S _type_
                                                           F s:%s
F a=%1.3f%st=%1.3f
                                                           F s=%1.3f
F b:%s
                                                           F setbounds currentpicture to multibox;
F buffer.%s
                                                           F unknown reference %a
F c:%s:%s:%s:%s
                                                           F using file %a
F c=%1.3f%sm=%1.3f%sy=%1.3f%sk=%1.3f
                                                           F visualizers.%s
```

F w:%s F { F }

function gmatch qsub function is boolean function is_empty function itself function 1en function limit function longtostring function lower function match function nspaces table quote function quoted function function rep reverse function split function **splitlines** function splitup function strip function sub function tformat function toboolean function tocontext function todimen function tonodes function topattern function totable function toutf function tracedchar function tracedchars table unquote function unquoted function function upper utfcharacters function utfvalues function

function

valid

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 F userdata D stored F uservalue itemaroups table marks table F maxwidth D data F nofitems F define F exists F register lists table F fetch F addto F fetchallmarks F fetched F analyze B autoreorder F fetchonemark F fetchtwomarks D cached D collected F aet F discard F number F enhance F relate T enhancers F reset F filter F set F filtercollected F show F formulanumber F synchronize F groupindex F title F hasnumberdata T tracers F haspagedata F showtable table F hastitledata notes D internals F checkpagechange F iscached F define F label F doifonsamepageasprevious F location F get Fnumber F getdeltapage D ordered F getn F page F getnumberpage F popnesting F getstate F prefix F getsymbolpage F prefixednumber F hascontent F prefixedpage F internal F internalid F process F listindex D pushed F pushnesting F ordered F realpage F postpone F reordered F resetpostponed T result F restore D sectionblocks F save F sectionnumber F setstate F size F setsymbolpage F title D states D tobesaved F store

pages	table	F injectcurrentset
F analyze		D internals
D collected		F load
F is_odd		F loadpresets
F number		F mark
F save		D pages
D tobesaved		U prefixsplitter
references	table	D productdata
F analyze		T programs
F checkedfile		T data
F checkedfileorurl		F define
F checkedprogram		F get
F checkedrealpage		F realpageofpage
F checkedurl		U referencesplitter
D collected		D referred
U componentsplitter		F referredpage
F currentmetadata		F registerfinalizer
F currentorder		F registerinitializer
D currentset		F registerpage
F define		F reportproblems
D defined		F reset
D derived		T resolvers
F enableinteraction		F reference
F enhance		F section
F enhance D executers		
		F section
D executers		F section D runners
D executers F expandcurrent		F section D runners F set
D executers F expandcurrent F export		F section D runners F set F setandgetattribute
D executers F expandcurrent F export T files		F section D runners F set F setandgetattribute F setcomponent
D executers F expandcurrent F export T files T data		F section D runners F set F setandgetattribute F setcomponent F setinnermethod
D executers F expandcurrent F export T files T data F define		F section D runners F set F setandgetattribute F setcomponent F setinnermethod F setinternalreference
D executers F expandcurrent F export T files T data F define F get		F section D runners F set F setandgetattribute F setcomponent F setinnermethod F setinternalreference F setnextinternal
D executers F expandcurrent F export T files T data F define F get F filter F filterdefault D filters		F section D runners F set F setandgetattribute F setcomponent F setinnermethod F setinternalreference F setnextinternal F setnextorder D specials F splitcomponent
D executers F expandcurrent F export T files T data F define F get F filter F filterdefault		F section D runners F set F setandgetattribute F setcomponent F setinnermethod F setinternalreference F setnextinternal F setnextorder D specials F splitcomponent F splitprefix
D executers F expandcurrent F export T files T data F define F get F filter F filterdefault D filters		F section D runners F set F setandgetattribute F setcomponent F setinnermethod F setinternalreference F setnextinternal F setnextorder D specials F splitcomponent
D executers F expandcurrent F export T files T data F define F get F filter F filterdefault D filters F from F get F get F get F get F get F get		F section D runners F set F setandgetattribute F setcomponent F setinnermethod F setinternalreference F setnextinternal F setnextorder D specials F splitcomponent F splitreference T testrunners
D executers F expandcurrent F export T files T data F define F get F filter F filters F from F get F getcurrentmetadata F getcurrentprefixspec		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
D executers 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 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
D executers 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		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
D executers 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 section D runners F set F setandgetattribute F setcomponent F setinnermethod F setinternalreference F setnextinternal F setnextorder D specials F splitcomponent F splitprefix F splitprefix F splitreference T testrunners F inner F special F special operation F special operation
D executers 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 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
D executers 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 section D runners F set F setandgetattribute F setcomponent F setinnermethod F setinternalreference F setnextinternal F setnextorder D specials F splitcomponent F splitprefix F splitprefix F splitreference T testrunners F inner F special F special operation F special operation

F internal		F getcurrentlevel	
F page		F getlevel	
F realpage		F getnumber	
F section		F internalreference	
F userpage		D levelmap	
D tobereferred		D levels	
D tobesaved		F load	
T urls		F matchingtilldepth	
T data		F numberatdepth	
F define		F numbers	
F get		F popblock	
F valid		F prefixedconverted	
F whatfrom		F pushblock	
registers	table	F register	
F analyze		D registered	
F analyzed		F reportstructure	
D collected		F save	
F compare		T sectionblockdata	
F define		T bodypart	
F enhance		S bookmark	
F extend		F set	
F filter		F setblock	
F filtercollected		F setchecker	
F finalize		F setlevel	
F flush		F setnumber	
F prepare		F somelevel	
F process		F structuredata	
F sort		F title	
F store		D tobesaved	
D tobesaved		F typesetnumber	
F unique		F userdata	
F userdata		B verbose	
sections	table	sets	table
F autodepth		F define	
F cct		F get	
D collected		F getall	
F current		D setlist	
F currentblock		specials	table
F currentid		D collected	
F currentlevel		F retrieve	
F depthnumber		F store	
F finddata		D tobesaved	
F findnumber		synonyms	table
F fullnumber		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 table tags 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

> D taglist T userdata

table (basic lua)

allkeys	function
append	function
are_equal	function
autokey	function
compact	function
concat	function
contains	function
copy	function
count	function
derive	function
deserialize	function
drop	function
fastcopy	function
fastserialize	function
flattened	function
fromhash	function
getmetatablekey	function
has_one_entry	function
identical	function
imerge	function
imerged	function
insert	function
is_empty	function
keys	function
load	function
loweredkeys	function
merge	function
merged	function
mirrored	function
pack	function
prepend	function
print	function
remove	function
reverse	function
reversed	function
save	function
sequenced	function
serialize	function
setmetatablecall	function
setmetatableindex	function
setmetatablekey	function

setmetatablenewindex	function
sort	function
sorted	function
sortedhash	function
sortedhashkeys	function
sortedkeys	function
sortedpairs	function
strip	function
sub	function
swapped	function
tocontext	function
tocsv	function
tofile	function
tohandle	function
tohash	function
toxml	function
twowaymapper	function
unique	function
unnest	function
unpack	function
values	function

tex (basic tex)

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 count table modes data table count table modes data table count table modes number definefont function nilcatcodes number delcode table notcatcodes number dinen table number function directives data table pdffontame function enableprimitives function pdffontobjnum function extraprimitives function pdffontsize function extraprimitives function pdffontsize function fontidentifier function pdffontsize function fontame function primitives function fontame function primitives function fprint function print function get function prints function get function prints function get function pricatcodes number getattribute function pricatcodes number getattribute function romannumeral function getcount function scale function getcount function set function getcode function set function getdimen function set function getlist function set function getlist function set function getmath function set function getmath function set function getskip function set function getskip function set function getskip function set function getskip function set function get set function set fun	attribute	table	istoken	function
boxtablelinebreakfunctioncatcodetableliststableconditionalsdata tableluacatcodesnumberconstantsdata tablemathcodetablecounttablemodesdata tablectxcatcodesnumbernesttabledefinefontfunctionnitcatcodesnumberdimentablenumberfunctiondimentablenumberfunctiondirectivesdata tablepdffontobjnumfunctionenableprimitivesfunctionpdffontobjnumfunctionerrorfunctionpdffontobjnumfunctionerrorfunctionpdffontobjnumfunctionertraprimitivesfunctionpdffontobjnumfunctionfinishfunctionpdffontobjnumfunctionfontidentifierfunctionpdffontobjnumfunctionfontidentifierfunctionpdfxformnamefunctionfontidentifierfunctionprimitivesfunctionfontidentifierfunctionprimitivesfunctionfontidentifierfunctionprimitivesfunctionfortinamefunctionprimitivesfunctiongetatributefunctionprimitivesfunctiongettatributefunctionprimitivesfunctiongettodefunctionsettodefunctiongetmathfunctionsetdelcodefunctiongetmathfunctionsetmath </th <th></th> <th></th> <th></th> <th></th>				
catcode table lists table conditionals data table luacatcodes number constants data table mathcode table count table modes data table count table modes data table count table modes data table definefont function nilcatcodes number delcode table notcatcodes number dimen table number function directives data table pdffontname function error function pdffontsize function error function pdffontsize function extraprimitives function pdffontsize function fontidentifier function pdfxformname function fontidentifier function primitives function fprint function print function get function printlist function get function printlist function get function printlist function get function pricatcodes number getattribute function romannumeral function getbox function round function getcacode function scale function getcount function scale function getdelcode function setattribute function getdelcode function setattribute function getdlien function setattribute function getdlien function setatode function gettath function setount function getsetode function setount function getmath function setcount function getmath function setcount function getmath function setcount function getmath function setcount function getmathcode function setcount function getmath function setcount function getsetsip function setlist function getskip function setlist function getskip function setlist function getskip function setmath function getstoks function setmath function getucode function setmath function getucode function setmath function setscode function setsest function setsest function setsest function setsetsip function				
conditionals data table luacatcodes number constants data table mathcode table count table modes data table ctx defined function nilcatcodes number nest table defined table notcatcodes number delcode table notcatcodes number function directives data table number function enableprimitives function pdffontname function extraprimitives function pdffontsize function pdffontialentifier function pdffontsize function fontidentifier function primitives function print function function function print function printist function petatribute function print function print function print function petatribute function print function seale function getdelcode function scale function scale function petdelcode function set function set function set function petatribute function set fu				
constants data table mathcode table count table modes data table table modes data table ctxcatcodes number nest table definefont function nilcatcodes number delcode table notcatcodes number function directives data table number function directives data table pdffontname function enableprimitives function pdffontsize function extraprimitives function pdffontsize function pdffontsize function finish function pdffontsize function pdffontame function fontidentifier function primitives function primitives function print function fortiame function print function print function print function get function print function print function get function print function print function get function round function getount function round function getount function scale function getdlien function set function set function getlist function settor function settor function getmath function settor function settor function getmath function settor function settor function getmath function settor function settor function getsfood function settor function settor function getskip function settlist function gettox function settlist function gettox function settlist function getskip function settlist function gettox function settlist function gettox function settlist function gettox function settlist function settlist function gettox function settlist function settlist function gettox function settlist fu				
count table modes data table ctxcatcodes number nest table definefont function nilcatcodes number dimen table notatcodes number dimen table number function pdffontobjnum function enableprimitives function pdffontobjnum function extraprimitives function pdffontsize function finish function pdffontsize function pdfsformame function fontidentifier function primitives function primitives function print function forntame function print functi				
ctxcatcodes number nest table definefont function nilcatcodes number delcode table notcatcodes number dimen table number function directives data table pdffontname function error function pdffontsize function extraprimitives function pdffontsize function finish function pdfxformname function fontidentifier function primitives function fontname function primitives function get function print function get function printist function get function pricatcodes number getattribute function round function gettactode function run function getcount function scale function getdlcode function set function getdlimen function set function getlist function set function getlist function set function getmath function set function				
definefontfunctionnilcatcodesnumberdelcodetablenotcatcodesnumberdimentablenumberfunctiondirectivesdata tablepdffontnamefunctionenableprimitivesfunctionpdffontsizefunctionerrorfunctionpdfpagereffunctionextraprimitivesfunctionpdfxformnamefunctionfinishfunctionprimitivesfunctionfontidentifierfunctionprintfunctionfontnamefunctionprintfunctiongetfunctionpricatcodesnumbergetatributefunctionpricatcodesnumbergetatributefunctionroundfunctiongetoautfunctionrunfunctiongetcountfunctionscalefunctiongetdelcodefunctionsetfunctiongetdimenfunctionsetatributefunctiongetlistfunctionsetboxfunctiongetlistfunctionsetcountfunctiongetmathfunctionsetcountfunctiongetmathfunctionsetdlimenfunctiongetmathfunctionsetdlimenfunctiongetscodefunctionsetlistfunctiongetscodefunctionsetmathfunctiongettoksfunctionsetmathfunctionifsdata tablesetscodefunctionisountfunction<				
delcode table notatcodes number dimen table number function directives data table pdffontname function enableprimitives function pdffontobjnum function error function pdffontobjnum function extraprimitives function pdffontsize function pdffontsize function finish function pdfxformname function pfinish function pdfxformname function fontidentifier function primitives function primitives function print function get function print function print function get function print function print function getatribute function round function getactode function round function getactode function scale function getdelcode function set function set function getdimen function setbox function getlist function setbox function getlist function setcount function getmath function setcount function getmath function setcount function getmath function setcount function getmathcode function setcount function getsfcode function setlicode function setsist function getsfcode function setlist function getsfcode function setlist function getwicks function setmath function getsfcode function setmath function getwoode function setmath function setmath function getwoode function setmath function setmathcode function setmath function setmath function getwoode function setmath function setmathcode function ifs data table setsfcode function inicatcodes number setskip function inicatcodes number setskip function inicatcode function setuccode function setox function inicatcode function setox function setox function setox				
dimen table number function directives data table pdffontname function enableprimitives function pdffontobjnum function extraprimitives function pdffontsize function finish function pdfxformname function fontidentifier function primitives function fprint function print function get function printlist function get function printlist function get function pricatcodes number getattribute function pricatcodes number getactode function round function getcount function scale function getdimen function set function getlocode function set function getlocode function set function getlist function setcount function getmath function setcount function getmath function setcount function getmath function set function getmath function setcount function getsets function setdimen function getsetode function setlist function getsetoks function setmath function getsetoks function setmath function getuccode function setmath function getuccode function setmath function getuccode function setmath function getuccode function setmath function setmathode function setmath function getuccode function setmath function setmathode functi				
directives data table pdffontname function enableprimitives function pdffontobjnum function error function pdffontsize function pdfpageref function pdfxformame function finish function primitives function primitives function primitives function fontidentifier function print function printlist function prin				
enableprimitives function pdffontobjnum function error function pdffontsize function pdfpageref function pdfpageref function pdfpageref function finish function pdfxformname function fontidentifier function primitives function print function fortname function print function petbox function round function getox function round function getox function scale function getox function set function getox function set function petdlied function set function getiles function set function set function getiles function set function set function getiles function set function set function getmath function set function set function getset function set func				
error function pdffontsize function extraprimitives function pdfpageref function finish function pdfxformname function fontidentifier function primitives function fontname function print function get function print function get function printist function getattribute function printalist function getbox function round function getcautcode function run function getdelcode function scale function getdimen function set function getlist function setbox function getmath function setcount function getmath function setcount function getmath function setcount function getmathcode function setdimen function getspath function setcount function getspath function setdimen function getmathcode function setdimen function getspaths function setdimen function getspaths function setdimen function getspaths function setdimen function getspaths function setlist function getspaths function setmath function getspaths function setmath function gettoks function setmath function getuccode function setmath function setuccode function setmath function setuccode function setmath function setuccode function setmath function setuccode function settion settics function sisount function settoks function sisount function settoks function			•	
extraprimitives function pdfpageref function finish function pdfxformname function fontidentifier function primitives function print function fontname function print function getox function round function getox function function print function getox function scale function getox function set function getox function set function getien function set function getien function set function getien function setox function getien function setox function getien function setox function getien function setox function getien function setdlede function getien function setien function getsfcode function setien function getien function setien function setien function getien function setien function setien function function setox function setien function function setox function setien function setox function setox function function setox function setox function setox function function setox function setox function function setox function function setox function function setox function	•			
finish function pdfxformname function fontidentifier function primitives function fontname function print function print function fprint function print function print function get function pricatcodes number getattribute function romannumeral function getbox function round function getcatcode function run function getcount function scale function getdlecode function set function getlist function setbox function getlist function setbox function getlist function setcount function getmath function setcount function getmath function setcount function getsfcode function setlicode function setcount function getsfcode function setlist function setlist function getsfcode function setlist function getsfcode function setlist function getskip function setlist function getskip function setlist function gettoks function setmath function getuccode function setmath function ifs data table setsfcode function iifs data table setsfcode function iifs function function setlox function iifs function function setskip function setskip function iifs function function setskip function setskip function iifs function function setskip function s			•	
fontidentifier function primitives function fontname function print function printlist function getox function round function printlist function getcount function scale function getcount function set function set function getdlied function set function getlist function set function set function getlist function set function set function getmath function set function set function getnest function set function set function getsfcode function set function set function set function getskip function set function set function set function set function function set function s	•			
fontname function print function fprint function printlist function get function pricatcodes number getattribute function round function getbox function run function getcount function scale function getdlcode function set function getlist function setox function getmath function setount function getmath function setdelcode function getmath function setdlimen function getspread function setdlimen function getmath function setdlimen function getmathcode function setlist function getsfcode function setlist function getskip function setlist function gettoks function setmath function getuccode function setmath function getuccode function setmath function getuccode function setmath function ifs data table setsfcode function inicatcodes number setskip function isount function settoks function isount function settoks function isount function settoks function			•	
fprint function printlist function get function promanumeral function getattribute function round function getbox function run function getcatcode function scale function getcount function set function set function getdlicode function set function getlist function setbox function getlist function setcount function getmath function setdlicode function getsfcode function setlist function getsfcode function setlist function getskip function setlist function gettoks function setmath function getuccode function setmath function getuccode function setmath function inicatcodes number setskip function ifs data table setsfcode function inicatcodes function settoks function inicatcodes function settoks function inicatcodes function settoks function inicatcode function settoks function isount function settoks function isount function settoks function isount function settoks function isount function settoks function				
get function prtcatcodes number getattribute function romannumeral function getbox function round function getcatcode function getcount function scale function getdelcode function set function getdimen function setbox function getlist function setcount function setbox function getmath function setcount function setcount function getmath function setcount function getmathcode function setcount function getsfcode function setdlied function setlist function setdlied function getmathcode function setcount function getmathcode function setlist function setlicode function getsfcode function setlist function getsfcode function setlist function getskip function setlist function setlist function function setmath function function setmathcode function setmathcode function setmathcode function ifs data table setsfcode function inicatcodes number setskip function inicatcodes function settoks function inicatcode function settoks function inicatcode function settoks function inicatcode function settoks function inicatcode function settoks function setoks function isodimen function setuccode function setoks function			•	
getattribute function romannumeral function getbox function round function getcatcode function run function getcount function scale function getdelcode function set function getdimen function setbox function getlist function setcatcode function getmath function setcount function getmath function setcount function getmath function setcount function getmathcode function setdlicode function setcount function getsfcode function setlist function setlist function getmathcode function setlicode function getsfcode function setlist function getsfcode function setlist function getskip function setlist function gettoks function setmath function getuccode function setmath function setmathcode function ifs data table setsfcode function inicatcodes number setskip function inicatcodes function settoks function inicatcode function settoks function inicatcode function settoks function inicatcode function setoks function inicatcode function setoks function setoks function isodimen function setuccode function setoks function	•		•	
getbox function round function getcatcode function function run function getcount function scale function getdelcode function set function getdimen function setbox function getlist function setcatcode function getmath function setcount function getmath function setdelcode function getmathcode function setdelcode function getsfcode function setdimen function getsfcode function setlist function getskip function setlist function getoks function setlist function getoks function setlist function function setlist function getoks function setmath function getoks function setmath function getuccode function setmath function setmathcode function setnest function ifs data table setsfcode function inicatcodes number setskip function iscount function settoks function settoks function iscount function settoks function settoks function isdimen function setuccode function	-		•	
getcatcode function run function getcount function scale function getdelcode function set function getdimen function setbox function getlist function setcount function getmath function setcount function getmathcode function setdelcode function getsets function setdimen function getsets function setlist function getsets function setlist function getsets function setlist function getsets function setlist function getskip function setlist function gettoks function setmath function getuccode function setmath function getuccode function setmath function function setnest function ifs data table setsfcode function inicatcodes number setskip function iscount function settoks function isdimen function setuccode function	-			
getcount function scale function getdelcode function set function getdimen function setattribute function getlccode function setbox function getlist function setcount function getmath function setcount function getmathcode function setdlecode function getset function setdlecode function getsfcode function setlccode function getskip function setlccode function gettoks function setmath function getuccode function setmath function getuccode function setmath function getuccode function setmath function fis data table setsfcode function inicatcodes number setskip function iscount function settoks function isdimen function setuccode function	5			
getdelcode function set function getdimen function setattribute function getlccode function setbox function getlist function setcount function getmath function setdelcode function getmathcode function setdimen function getsest function setlccode function getsfcode function setlccode function getskip function setlist function gettoks function setmath function getuccode function setmath function getuccode function setmath function ifs data table setsfcode function inicatcodes number setskip function iscount function settoks function isdimen function setuccode function	-	function	scale	function
getdimen function setbox function getlist function setcatcode function getmath function setcount function getmathcode function setdelcode function getset function setdimen function getsfcode function setlist function getskip function setlist function gettoks function setmath function getuccode function setmath function getuccode function setmath function getuccode function setmath function ifs data table setsfcode function inicatcodes number setskip function iscount function setuccode function isdimen function setuccode function	•	function		function
getlistfunctionsetcatcodefunctiongetmathfunctionsetcountfunctiongetmathcodefunctionsetdelcodefunctiongetnestfunctionsetdimenfunctiongetsfcodefunctionsetlistfunctiongetskipfunctionsetmathfunctiongettoksfunctionsetmathcodefunctiongetuccodefunctionsetmathcodefunctionhashtokensfunctionsetnestfunctionifsdata tablesetsfcodefunctioninicatcodesnumbersetskipfunctioniscountfunctionsettoksfunctionisdimenfunctionsetuccodefunction	-	function	setattribute	function
getlistfunctionsetcatcodefunctiongetmathfunctionsetcountfunctiongetmathcodefunctionsetdelcodefunctiongetnestfunctionsetdimenfunctiongetsfcodefunctionsetlistfunctiongetskipfunctionsetmathfunctiongettoksfunctionsetmathcodefunctiongetuccodefunctionsetmathcodefunctionhashtokensfunctionsetnestfunctionifsdata tablesetsfcodefunctioninicatcodesnumbersetskipfunctioniscountfunctionsettoksfunctionisdimenfunctionsetuccodefunction	getlccode	function	setbox	function
getmathcodefunctionsetdelcodefunctiongetnestfunctionsetdimenfunctiongetsfcodefunctionsetlccodefunctiongetskipfunctionsetlistfunctiongettoksfunctionsetmathfunctiongetuccodefunctionsetmathcodefunctionhashtokensfunctionsetnestfunctionifsdata tablesetsfcodefunctioninicatcodesnumbersetskipfunctioniscountfunctionsettoksfunctionisdimenfunctionsetuccodefunction		function	setcatcode	function
getnest function setdimen function getsfcode function setlccode function getskip function setlist function gettoks function setmath function getuccode function setmathcode function hashtokens function setnest function ifs data table setsfcode function inicatcodes number setskip function iscount function setuccode function isdimen function setuccode function	getmath	function	setcount	function
getsfcode function setlccode function getskip function setlist function gettoks function setmath function getuccode function setmathcode function hashtokens function setnest function ifs data table setsfcode function inicatcodes number setskip function iscount function settoks function isdimen function setuccode function	getmathcode	function	setdelcode	function
getskipfunctionsetlistfunctiongettoksfunctionsetmathfunctiongetuccodefunctionsetmathcodefunctionhashtokensfunctionsetnestfunctionifsdata tablesetsfcodefunctioninicatcodesnumbersetskipfunctioniscountfunctionsettoksfunctionisdimenfunctionsetuccodefunction	getnest	function	setdimen	function
gettoks function setmath function getuccode function setmathcode function hashtokens function setnest function ifs data table setsfcode function inicatcodes number setskip function iscount function settoks function isdimen function setuccode function	getsfcode	function	setlccode	function
getuccodefunctionsetmathcodefunctionhashtokensfunctionsetnestfunctionifsdata tablesetsfcodefunctioninicatcodesnumbersetskipfunctioniscountfunctionsettoksfunctionisdimenfunctionsetuccodefunction	getskip	function	setlist	function
hashtokensfunctionsetnestfunctionifsdata tablesetsfcodefunctioninicatcodesnumbersetskipfunctioniscountfunctionsettoksfunctionisdimenfunctionsetuccodefunction	gettoks	function	setmath	function
ifsdata tablesetsfcodefunctioninicatcodesnumbersetskipfunctioniscountfunctionsettoksfunctionisdimenfunctionsetuccodefunction	getuccode	function	setmathcode	function
inicatcodes number setskip function iscount function settoks function isdimen function setuccode function	hashtokens	function	setnest	function
iscount function settoks function isdimen function setuccode function	ifs	data table	setsfcode	function
isdimen function setuccode function	inicatcodes	number	setskip	function
	iscount	function	settoks	function
isskip function sfcode table	isdimen	function	setuccode	function
	isskip	function	sfcode	table

shipout function skip table sp function sprint function systemmodes data table texcatcodes number toks table tpacatcodes number tpbcatcodes number tprint function trackers data table txtcatcodes number function type table uccode uniformdeviate function uprint function vrbcatcodes number write function

texconfig (basic tex)

error_line number expand_depth number formatname string half_error_line number hash extra number function init 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 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
    Fa
    F b
    F c
   F showtoken
   F test
   F trace
egroup
              table
              table
hbox
letter
              function
              function
letters
other
              function
```

vbox

vtop

table table

tracers (context)

```
count function
cs function
dimen function
knownlist function
lists table
```

T context
T internals
T scratch

name function
primitive function
printerror function
showlines function
strings table

S undefined

toks function
type function

trackers (context)

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

typesetters (context)

alignments	table	F installhandler	
F handler		F processmath	
F set		F set	
breakpoints	table	F setcolor	
F define		F setmath	
F handler		F tomode	
D mapping		firstlines	table
T methods		T actions	
T numbers		F default	
F set		F line	
F setreplacement		F word	
cases	table	F handler	
T actions		F set	
F handler		initials	table
F register		T actions	
F set		F default	
characteralign	table	F handler	
F handler		F set	
F resetcharacter	align	italics	table
F setcharacteral	ign	F forcevariant	
characters	table	F handler	
F handler		F reset	
F replacenbsp		F set	
F replacenbspace	s	kerns	table
checkers	table	D factors	
F handler		F handler	
F reset		F keepligature	
F set		B keeptogether	
cleaners	table	D mapping	
F handler		F set	
F set		margins	table
digits	table	F finalhandler	
T actions		F globalhandler	
F handler		F ha	
F set		F localhandler	
directions	table	F save	
F getfences		processors	table
F getglobal		F apply	
F getmethod		F register	
F handler		F reset	
T handlers		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	E	len
F byte	tabte		lower
F char			match
F dump			rep
F find			reverse
F format			sub
F gfind			upper
F gmatch		utf8	
F gsub			byte
F len			char
F lower			characters
F match			chrlen
F rep			count
F reverse	1		dump
F sub			filetype
F upper			find
grapheme	table	F	format
F byte		F	gfind
F char			gmatch
F dump			gsub
F find			is_valid
F format			len
F gfind		F	length
F gmatch		F	lower
F gsub		F	magic
F len		F	match
F lower		F	remapper
F match		F	rep
F rep		F	replacer
F reverse	<u> </u>	F	reverse
F sub		F	split
F upper		F	splitlines
latin1	table	F	sub
F byte		F	subtituter
F char		F	tocodes
F dump		F	toeight
F find		F	toentities
F format		F	tostring
F gfind		F	totable
F gmatch		F	upper
F gsub		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	pars	sers	table
F disable		F add_settings_to_array		
F enable		F arguments_to_table		
F savestats		F	array_to_string	
F showstats		F	csvsplitter	
formatters	table	F	getparameters	
F formatcolumns		F	hash_to_string	
F list		F	iterator	
F stripzeros		F	keq_to_hash	
garbagecollector	table	F	listitem	
F check		F	make_settings_to	_hash_pattern
N criterium		F	mergehashes	
B enabled		F	options_to_hash	
lua	table	Т	patterns	
B alwaysstripcode			U settings_to_arm	ay
F compile			U settings_to_has	sh_a
F loadedluacode		U settings_to_hash_b		
F loadstripped			U settings_to_has	sh_c
N nofstrippedbytes			U unittotex	
N nofstrippedchunks	5	F	process_stripped	_settings
B stripcode		F	rfc4180splitter	
T strippedchunks		F	runtime	
F strippedloadstrin	ng	F	settings_to_arra	y
T suffixes		F	settings_to_arra	y_with_repeat
S lua		F settings_to_hash		
S luc		F settings_to_hash_strict		
S lui		F settings_to_hash_tolerant		
S luj		F	settings_to_set	
S luv		F simple_hash_to_string		
S tma		F	splitthousands	
S tmc		F	stepper	
S tua		F stripped_settings_to_array		
S tuc		F	unittotex	
packers	table	F	unittoxml	
F hashed		repo	ort	function
F new		sequ	iencers	table
F pack		F	appendaction	
F simplehashed		F	appendgroup	
F strip		F compile		
F unpack		F disableaction		
N version		F	disablegroup	

F enableaction F enablegroup D functions F localize F new F nodeprocessor F prependaction F prependgroup F removeaction F setkind F tostring table setters F disable F enable F initialize F list F new F register 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 F striplong F tabtospace T tracers tables table F accesstable

F definedtable F definetable

F encapsulate
F insertaftervalue
F insertbeforevalue
F migratetable

templates

table

F load
F replace
F replacer

F resolve

F removevalue

vf (context)

```
char
        function
down
        function
fontid
        function
        function
image
        function
node
        function
nop
        function
pop
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	
сору	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	
Š	F text	
F context		
F count	F texts	
Fictive	F upperall first	£
F default	found	function
F first		function
F function	functions	table
Findex	getbuffer	function
Flast	gethandlers	function
F lettered	gethandlersfunction	function
Flower	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	<pre>inject_element_after</pre>	function
F tags	<pre>inject_element_before</pre>	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	<pre>insert_element_before</pre>	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
	5	

Т

originalload function package function parent function userdata parsedentitylpeg pihandlers table placeholders table F unknown_any_entity F unknown dec entity F unknown hex entity position function privatecodes table

stripelement function stripleadingspaces function table function function text textonly function texttocdata function tocdata function toelement function tostrina function toxml function function tprint function traverse function unescaped unprivatized function withelement function withelements function function wrap 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
crc32 function
decompress function
decompressobj function
version function