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

ConTEXt MkIV

global (alias: _G)

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

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

attributes (context)

colorintents   table
    N attribute
    D data
    F enable
    F handler
    F register
    D registered

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

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

define   function
effects   table
    N attribute
    D data
    F enable
    F handler
    F register
    D registered
    D values

handlers   table
list   data table
names   data table
negatives   table
    N attribute

D	data	D	registered
F	enable	F	resolve_begin
F	handler	F	resolve_end
F	register	F	resolve_reset
D	registered	F	resolve_step

numbers	data table	D	scopes
ofnode	function	F	setfeatures
private	function	F	start
public	function	F	stop
showcurrent	function	B	supported
states	table	D	values

F disabletriggering

F enabletriggering

F finalize

F initialize

F process

F selective

F stacked

F stacker

system function

transparencies table

N attribute

D data

F enable

F forcesupport

F handler

U none

F register

D registered

B supported

B triggering

F value

D values

unsetvalue number

viewerlayers table

N attribute

D data

F define

F enable

F forcesupport

F handler

B hasorder

D listwise

F register

backends (context)

codeinjections table
   F synchronizecolormodel
current string
defaults table
   T codeinjections
     F gethpos
     F getmatrix
     F getpos
     F getvpos
     F hasmatrix
   T nodeinjections
   T registrations
   D tables
install function
nodeinjections table
   F restore
   F save
   F transform
nothing function
pdf table
   T codeinjections
     F addbookmarks
     F attachmentid
     F clonefield
     F definefield
     F definefieldset
     F defineviewerlayer
     F embedfile
     F enabletags
     F exportformdata
     F getbookmarks
     F getdefaultfieldvalue
     F getfieldcategory
     F getfieldset
     F getformatoption
     F gethpos
     F getmatrix
     F getoutputfilename
     F getpos
     F getpreviewfigure
     F getvpos

     F hasmatrix
     F insertrenderingwindow
     F mergebookmarks
     F mergereferences
     F mergeviewerlayers
     F prerollreference
     F presetsymbol
     F presetsymbollist
     F processrendering
     F registerdocumentcloseaction
     F registerdocumentopenaction
     F registeredsymbol
     F registerpagecloseaction
     F registerpageopenaction
     F registersymbol
     F setfieldcalculationset
     F setfigurealternative
     F setfigurecolorspace
     F setfiguremask
     F setformat
     F setformsmethod
     F setpagetransition
     F setupcanvas
     F setupidentity
     F setxmpfile
     F startlayer
     F stoplayer
     F supportedformats
     F unicodetoactualtext
     F useviewerlayer
     F validfield
     F validfieldcategory
     F validfieldset
   S comment
   T nodeinjections
     F addtags
     F annotation
     F attachfile
     F changestackedlayer
     F cmykcolor
     F comment

F destination
      F effect
      F graycolor
      F injectbitmap
      F insertmovie
      F insertsound
      F insertswf
      F insertu3d
      F knockout
      F negative
      F overprint
      F positive
      F reference
      F rgbcolor
      F spotcolor
      F startlayer
      F startstackedlayer
      F stoplayer
      F stopstackedlayer
      F transparency
      F typesetfield
   T registrations
      F cmykindexcolor
      F cmykspotcolor
      F getspotcolorreference
      F grayindexcolor
      F grayspotcolor
      F rgbindexcolor
      F rgbspotcolor
      F spotcolorname
      F transparency
   T tables
   D vfspecials
registrations   table
tables   table

bit (context)

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

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext   function
tonumber   function

buffers (context)

append	function
assign	function
collectcontent	function
erase	function
exists	function
getcontent	function
getlines	function
loadcontent	function
parallel	table

    F define

    F hassomecontent

    F next

    F place

    F reset

    F save

prepend	function
raw	function

builders (context)

kernel   table
    F hyphenation
    F kerning
    F ligaturing
    F mlist_to_hlist
    T originals
      F hyphenate
      F kerning
      F ligaturing

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
getfirstreadablefile_TEST_ME_FIRST	function
getreadablepaths	function
getwritablepath	function
hashed	function
is_writable	function
loadcontent	function
loaddata	function
more	string
relocate	boolean
savecontent	function
savedata	function
setfirstwritablefile	function
setluanames	function
tree	string
treehash	function
usedpaths	function

callback (basic tex)

find   function
list   function
register overloaded function

callbacks (context)

freeze	function
known	function
list	data table
pop	function
push	function
register	function
report	function

catcodes (context)

names   data table
numbers   data table
register   function

characters (context)

activeoffset	number	S	B
adobename	function	S	C
bidi	data table	S	D
blockrange	function	S	E
blocks	data table	S	F
casemap	table	S	G
categories	data table	S	H
category	function	S	I
categorytags	data table	S	J
collapsed	data table	S	K
combined	data table	S	L
contextname	function	S	M
data	data table	S	N
decomposed	data table	S	O
define	function	S	P
description	function	S	Q
descriptions	data table	S	R
directions	table	S	S
enccodes	data table	S	T
entities	data table	S	U
fallbacks	data table	S	V
filters	data table	S	W
fromnumber	function	S	X
fschars	data table	S	Y
fscodes	data table	S	Z
getrange	function	S	À
graphemes	data table	S	Á
hangul	data table	S	Â
initialize	function	S	Ã
is_character	data table	S	Ä
is_command	data table	S	Å
is_letter	data table	S	Æ
is_mark	data table	S	Ç
is_punctuation	data table	S	È
is_spacing	data table	S	É
lcchars	data table	S	Ê
lccode	function	S	Ë
lccodes	data table	S	Ì
lettered	function	S	Í
lhash	table	S	Î
S A		S	Ï

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linebreaks	table		**mirrors**		table
S ai			**otfscripts**		data table
S al			**ranges**		data table
S b2			**registerentities**		function
S ba			**remap_hangul_syllabe**		function
S bb			**setcodes**		function
S bk			**shape**		function
S cb			**shaped**		function
S cj			**shash**		table
S cl			S A		
S cm			S B		
S cp			S C		
S cr			S D		
S ex			S E		
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S h3			S H		
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S lf			S Q		
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S ns			S S		
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shchars	data table		S U
shcodes	data table		S V
showstring	function		S W
specialchars	data table		S X
specials	data table		S Y
splits	table		S Z
T char			S À
T compat			S Á
subscripts	table		S Â
superscripts	table		S Ã
synonyms	data table		S Ä
tex	table		S Å
D accentmapping			S Æ
D commandmapping			S Ç
F defineaccents			S È
F safechar			S É
F toutf			S Ê
F toutfpattern			S Ë
textclasses	table		S Ì
tonumber	function		S Í
ucchars	data table		S î
uccode	function		S ï
uccodes	data table		S Ð
uhash	table		S Ñ
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s	**unicodechar** function
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chemistry (context)

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

commands (context)

Alphabetic	function	**applytofirstcharacter**	function
Character	function	**applytowords**	function
Characters	function	**assignbuffer**	function
MPc	function	**attachproperty**	function
MPd	function	**autofinishstructurelevels**	function
MPh	function	**autonextspace**	function
MPll	function	**autonextstructurelevel**	function
MPlr	function	**autosetups**	function
MPls	function	**autostarttext**	function
MPn	function	**autostoptext**	function
MPp	function	**averagecharwidth**	function
MPpardata	function	**bcolumn**	function
MPplus	function	**boolcase**	function
MPpos	function	**boxtostring**	function
MPposset	function	**btx_a_f**	function
MPr	function	**btx_a_i**	function
MPrest	function	**btx_a_j**	function
MPrs	function	**btx_a_s**	function
MPul	function	**btx_a_v**	function
MPur	function	**btxabbreviatedjournal**	function
MPw	function	**btxaddjournal**	function
MPx	function	**btxauthor**	function
MPxy	function	**btxauthorfield**	function
MPxywhd	function	**btxcollectlistentries**	function
MPy	function	**btxdetail**	function
Romannumerals	function	**btxdoif**	function
abjadnodotnumerals	function	**btxdoifelse**	function
abjadnumerals	function	**btxdoifelseuservariable**	function
addbtxentry	function	**btxdoifnot**	function
addcounter	function	**btxexpandedjournal**	function
addlinklistelement	function	**btxfetchlistentries**	function
addreplacements	function	**btxfield**	function
addtojavascriptpreamble	function	**btxfieldname**	function
addtolist	function	**btxfieldtype**	function
allinputpaths	function	**btxflush**	function
alphabetic	function	**btxflushlistentries**	function
analysefloatmethod	function	**btxflushpages**	function
analyzeitemgroup	function	**btxfoundname**	function
analyzelist	function	**btxfoundtype**	function
analyzeregister	function	**btxhandlecite**	function
applytochars	function	**btxhandlenocite**	function

btxlistvariant	function	**currentreferencedefault**	function
btxloadjournallist	function	**currentreferenceorder**	function
btxpreparelistentries	function	**currentregime**	function
btxsavedataset	function	**currentsectiontolist**	function
btxsavejournallist	function	**datasetvariable**	function
btxsingularorplural	function	**dayname**	function
btxtoregister	function	**deferredproperty**	function
btxuservariable	function	**defineattribute**	function
buildtextaccent	function	**definebreakpoint**	function
character	function	**definebreakpoints**	function
characters	function	**definecatcodetable**	function
chardescription	function	**definecharacterspacing**	function
checkcharactersinfont	function	**definechemical**	function
checkcountersetup	function	**defineconversion**	function
checkedconversion	function	**definecounter**	function
checkedpagefloat	function	**definedviewerlayer**	function
checkinjector	function	**definefallbackfamily**	function
checktwopassdata	function	**definefield**	function
chemicalcomponent	function	**definefieldset**	function
chineseallnumerals	function	**definefilefallback**	function
chinesecapnumerals	function	**definefilesynonym**	function
chinesenumerals	function	**definefont_one**	function
cleanfontname	function	**definefont_two**	function
cleanupbox	function	**definefontfamily**	function
cleanuplayers	function	**definefontfeature**	function
clonefield	function	**definefontsolution**	function
collectfloat	function	**definehyphenationfeatures**	function
collecthelp	function	**defineinsertion**	function
colorcomponents	function	**defineintermediatecolor**	function
concatcommalist	function	**definelabels**	function
consultfloat	function	**definelanguage**	function
convertbtxdatasettoxml	function	**definelinkedlist**	function
converteddimen	function	**definemarking**	function
copyposition	function	**definemetafont**	function
cos	function	**definemultitonecolor**	function
cosd	function	**definenote**	function
countervalue	function	**defineparallel**	function
counttwopassdata	function	**defineparbuilder**	function
ctxfunction	function	**defineprocesscolor**	function
currentcomponent	function	**defineprogram**	function
currentdate	function	**definereference**	function
currentenvironment	function	**defineregister**	function
currentproduct	function	**definesectionlevels**	function
currentproject	function	**defineselectfont**	function

definesnapmethod	function	**doiffieldelse**	function
definespotcolor	function	**doiffieldsetelse**	function
definestructureblock	function	**doiffiledefinedelse**	function
definestructureset	function	**doiffileexistelse**	function
definetransparency	function	**doiffirstcharelse**	function
definetwopasslist	function	**doifinputfileelse**	function
defineviewerlayer	function	**doifinsetelse**	function
defrostrandomseed	function	**doifleapyearelse**	function
depthnumber	function	**doiflisthasentry**	function
digits	function	**doiflisthasnumberelse**	function
disableautofontscript	function	**doiflisthaspageelse**	function
disableparbuilder	function	**doiflisthastitleelse**	function
disableregime	function	**doiflocfileelse**	function
disablespellchecking	function	**doifnot**	function
discardfromlist	function	**doifnotcounter**	function
doanalyzeframedbox	function	**doifnotecontent**	function
doif	function	**doifnoteonsamepageasprevious**	function
doifblackelse	function	**doifobjectreferencefoundelse**	function
doifcommonelse	function	**doifolderversionelse**	function
doifcounter	function	**doifoverlappingelse**	function
doifdimenstringelse	function	**doifparentfileelse**	function
doifdrawingblackelse	function	**doifpathexistelse**	function
doifelse	function	**doifposition**	function
doifelsebuffer	function	**doifpositionelse**	function
doifelsecontinuewithfile	function	**doifpositiononpage**	function
doifelseconverter	function	**doifpositionsonsamepageelse**	function
doifelsecounter	function	**doifpositionsonthispageelse**	function
doifelsecurrentfonthasfeature	function	**doifurldefinedelse**	function
doifelseintwopassdata	function	**doprocesstypescriptfile**	function
doifelsemarking	function	**doreshapeframedbox**	function
doifelsemessage	function	**dostarttextfile**	function
doifelsemultipar	function	**dostoptextfile**	function
doifelseparallel	function	**ecolumn**	function
doifelsepositionsused	function	**elapsedtime**	function
doifelserangeonpage	function	**enableautofontscript**	function
doifelsereference	function	**enablecolor**	function
doifelsesavedfloat	function	**enablecolorintents**	function
doifelsespaces	function	**enablecrlf**	function
doifelseutfmathabove	function	**enablefontcolorschemes**	function
doifelseutfmathaccent	function	**enableparbuilder**	function
doifelseutfmathbelow	function	**enableregime**	function
doifelseutfmathfiller	function	**enablespellchecking**	function
doifelsevisualizer	function	**enabletransparency**	function
doiffieldcategoryelse	function	**enhancelinkedlist**	function

enhancelist	function	**fontcollectionreport**	function
enhancereference	function	**fontcollectionreset**	function
enhanceregister	function	**fontlookupgetkey**	function
erasebuffer	function	**fontlookupgetkeyofindex**	function
expandcurrentreference	function	**fontlookupinitialize**	function
exportformdata	function	**fontlookupnoffound**	function
exportreferences	function	**forceendjob**	function
extendregister	function	**forcequitjob**	function
extensiblecode	function	**format**	function
feature	function	**formatcolor**	function
featureattribute	function	**formatgray**	function
featurelist	function	**freezerandomseed**	function
feedback	function	**from**	function
fetchallmarks	function	**getbidimode**	function
fetchmultipar	function	**getbodyfontsizes**	function
fetchmultishape	function	**getbuffer**	function
fetchonemark	function	**getbufferctxlua**	function
fetchposboxes	function	**getbuffermkvi**	function
fetchtwomarks	function	**getcommandline**	function
figurefilename	function	**getctxfile**	function
figurefilepath	function	**getcurrentprefixspec**	function
figurefiletype	function	**getcurrentreferencemetadata**	function
figurerequest	function	**getcurrentsectionlevel**	function
figurestatus	function	**getdefaultfieldvalue**	function
figureused	function	**getelementtag**	function
figurevariable	function	**getfieldcategory**	function
filterdefaultreference	function	**getfirstcharacter**	function
filterreference	function	**getfirsttwopassdata**	function
finalizebox	function	**getfloatvariable**	function
findtwopassdata	function	**getfullsectionnumber**	function
firstcountervalue	function	**getinternallistreference**	function
firstinset	function	**getinternalreference**	function
firstofrange	function	**getlasttwopassdata**	function
flushfloat	function	**getmarking**	function
flushmarked	function	**getmessage**	function
flushnotes	function	**getmpextensions**	function
flushpostponedblocks	function	**getnotestate**	function
flushpostponednotes	function	**getplaceholderchar**	function
fontchar	function	**getprivatechar**	function
fontcharbyindex	function	**getprogram**	function
fontcollectionclone	function	**getrandomcounta**	function
fontcollectiondefine	function	**getrandomcountb**	function
fontcollectionprepare	function	**getrandomseed**	function
fontcollectionregister	function	**getreadfilename**	function

getsectionnumber	function	**linenumbersstagetwo**	function
getstructuredata	function	**listgroupindex**	function
getsubstring	function	**listlabel**	function
gettexbuffer	function	**listlocation**	function
gettwopassdata	function	**listprefixednumber**	function
gettwopassdatalist	function	**listprefixedpage**	function
geturl	function	**listrealpage**	function
grabbuffer	function	**listsize**	function
hboxtovbox	function	**listtitle**	function
helpaction	function	**listuserdata**	function
helpreference	function	**loadbtxdefinitionfile**	function
hexstringtonumber	function	**loadexamodes**	function
horizontalcode	function	**loadfontgoodies**	function
hour	function	**loadspellchecklist**	function
hyphenatedlist	function	**loadtypescriptfile**	function
hyphenatedurl	function	**loadvisualizer**	function
D characters		**locatefilepath**	function
N lefthyphenmin		**locfilename**	function
D mapping		**lower**	function
N righthyphenmin		**makeactive**	function
F setcharacters		**manipulated**	function
immediateproperty	function	**markfonts**	function
incrementedcounter	function	**markingnumber**	function
initializetexdirectives	function	**markingtitle**	function
initializetextrackers	function	**markinjector**	function
injectcurrentreference	function	**markregionbox**	function
injectreference	function	**math_frac**	function
inlinechemical	function	**mathrenderset**	function
insertattachment	function	**minute**	function
insertcomment	function	**mixcleanup**	function
insertfield	function	**mixfinalize**	function
insertionnumber	function	**mixflushlist**	function
insertrenderingwindow	function	**mixflushrest**	function
insertsoundclip	function	**mixgetsplit**	function
installedlanguages	function	**mixsetsplit**	function
installtexdirective	function	**mixstate**	function
installtextracker	function	**molecule**	function
languagenumber	function	**month**	function
lastcountervalue	function	**monthmnem**	function
lastofrange	function	**monthname**	function
lchexnumber	function	**mpcolor**	function
lchexnumbers	function	**mpoptions**	function
leapyear	function	**mprunvar**	function
linenumbersstageone	function	**namedstructureuservariable**	function

namedstructurevariable	function	F	MetapostSnippetString
nbfs	function	F	NC
nextcountervalue	function	F	NR
nextparallel	function	F	ParsedXmlSnippetCdata
nofdays	function	F	ParsedXmlSnippetComment
nofstackedfloats	function	F	ParsedXmlSnippetDoctype
notedeltapage	function	F	ParsedXmlSnippetElement
notelistindex	function	F	ParsedXmlSnippetInstruction
notenumberpage	function	F	ParsedXmlSnippetKey
noteprefixednumber	function	F	ParsedXmlSnippetValue
notesymbolpage	function	F	TexSnippet
notetitle	function	F	TexSnippetBoundary
ntimes	function	F	TexSnippetComment
number	function	F	TexSnippetGroup
F C		F	TexSnippetName
F EQ		F	TexSnippetSpecial
F FL		F	XmlSnippet
F HL		F	XmlSnippetBoundary
F L		F	XmlSnippetCdata
F LL		F	XmlSnippetComment
F LuaSnippet		F	XmlSnippetEntity
F LuaSnippetBoundary		F	XmlSnippetEqual
F LuaSnippetComment		F	XmlSnippetKey
F LuaSnippetName		F	XmlSnippetName
F LuaSnippetNameBase		F	XmlSnippetString
F LuaSnippetNameCore		F	__flush
F LuaSnippetNameLibraries		F	__flushdirect
F LuaSnippetQuote		F	__flushlines
F LuaSnippetSpecial		F	a
F LuaSnippetString		F	addaskedblankskip
F ML		F	addpredefinedblankskip
F MPLIBsetCtext		F	applyprocessor
F MPLIBsetNtext		F	b
F MPcolor		F	beginhbox
F MetapostSnippet		F	beginvbox
F MetapostSnippetBoundary		F	bf
F MetapostSnippetComment		F	bgroup
F MetapostSnippetConstructor		F	blank
F MetapostSnippetName		F	bold
F MetapostSnippetNameMetafun		F	btxchecklistcombi
F MetapostSnippetNamePlain		F	btxchecklistentry
F MetapostSnippetNamePrimitive		F	btxciteauthorsetup
F MetapostSnippetQuote		F	btxcitesetup
F MetapostSnippetSpecial		F	btxcitevariantparameter

F btxdirectlink	F btxstartsubcite
F btxflushauthor	F btxstopauthor
F btxhandlelistentry	F btxstopcite
F btxhandlelisttextentry	F btxstopciteauthor
F btxlistauthorsetup	F btxstopsubcite
F btxlistparameter	F c
F btxlistsetup	F callfunctiononce
F btxlistvariantparameter	F char
F btxpagesetup	F chardef
F btxsetafter	F color
F btxsetauthorindex	F colordefagc
F btxsetauthorvariant	F colordefagt
F btxsetbacklink	F colordefalc
F btxsetbacktrace	F colordefalt
F btxsetbefore	F colordeffgc
F btxsetcategory	F colordeffgt
F btxsetcitereference	F colordefflc
F btxsetcombis	F colordefflt
F btxsetconcat	F colordefrgc
F btxsetcount	F colordefrgt
F btxsetdataset	F colordefrlc
F btxsetfirst	F colordefrlt
F btxsetfirstinternal	F concat
F btxsetfirstnames	F constructcs
F btxsetfirstpage	F constructcsonly
F btxsetinitials	F convertnumber
F btxsetinternal	F ctxreport
F btxsetjuniors	F d
F btxsetlanguage	F definefontsynonym
F btxsetlastinternal	T delayed
F btxsetlastpage	F digitsdigit
F btxsetlefttext	F digitsfinalcomma
F btxsetlistreference	F digitsfinalperiod
F btxsetnumber	F digitshighspace
F btxsetoverflow	F digitsintermediatecomma
F btxsetrighttext	F digitsintermediateperiod
F btxsetsecond	F digitsminus
F btxsetsurnames	F digitsnegative
F btxsettag	F digitsplus
F btxsetthird	F digitspositive
F btxsetvons	F digitspower
F btxstartauthor	F digitspowerminus
F btxstartcite	F digitspowerplus
F btxstartciteauthor	F digitsseparatorspace

F digitssignspace
F digitsspace
F digitszeropadding
F direct
F doactivateinjector
F dodisplayverbatimbeginline
F dodisplayverbatimemptyline
F dodisplayverbatiminitialize
F dodisplayverbatimnewline
F dodisplayverbatimstart
F dodisplayverbatimstop
F dofastdefinetypeface
F dofinishsomereference
F doflushparallel
F dofromfiledescription
F dofromfileliteral
F dofromurldescription
F dofromurlliteral
F doinlineverbatimbeginline
F doinlineverbatimemptyline
F doinlineverbatimnewline
F doinlineverbatimstart
F doinlineverbatimstop
F domarkinjector
F donestedtypingstart
F donestedtypingstop
F dosetfastregisterentry
F dostarttext
F doverbatimspace
F dummyxcell
F egroup
F emptyreference
F enablemode
F endhbox
F endvbox
F environment
F expandreferencearguments
F expandreferenceoperation
F finalizeautostructurelevel
F finishjob
F firstofoneargument
F firstoftwoarguments
F fixedblankskip
F flexibleblankskip

F flushblankhandling
F flushboxregister
F flushnode
F fntsetdefname
F fntsetnopsize
F fntsetsomename
F fntsetsomesize
T formatted
  F monobold
F fprint
T generics
  S starttabulate
  S stoptabulate
F getlogger
F getreferencestructureprefix
F getvalue
F glyph
F gobbleoneargument
F goto
F hrule
F input
T knownfunctions
F l
F lateluafunction
F letvaluerelax
F llap
F loadfile
F loadfoundtypescriptfile
F luasetup
F m
F makelinenumber
T metafun
  F color
  T delayed
  F start
  F stop
T nested
  F markingcommand
  F markingseparator
F newbox
F newcount
F newdimen
F newindexer
F newmuskip

F newskip	F setxvalue
F newtexthandler	F space
F newtoks	F sprint
F newverbosehandler	F startLuaSnippet
F nointerlineskip	F startMetapostSnippet
F normalatop	F startParsedXmlSnippet
F normalover	F startTexSnippet
F overstrike	F startXmlSnippet
F par	F startblankhandling
F pdfliteral	F startcolumns
F popcatcodes	F startcomponentindeed
F poplogger	F startenvironmentindeed
F printlines	F startfontclass
F processfilemany	F starthboxregister
F processfilenone	F startproductindeed
F processfileonce	F startprojectindeed
F protect	F startreadingfile
T puretext	F startregisterentries
F pushcatcodes	F startregisterentry
F pushlogger	F startregisteroutput
F registerentry	F startregisterpages
F registerfunction	F startregistersection
F registeronepage	F startregisterseewords
F registerpagerange	F starttabulate
F registerseeword	F starttext
F reservefunction	F starttitle
F rlap	F startvboxregister
F rotate	F startxtitle
F runfile	F stopLuaSnippet
F secondoftwoarguments	F stopMetapostSnippet
F setblankcategory	F stopParsedXmlSnippet
F setblankorder	F stopTexSnippet
F setblankpenalty	F stopXmlSnippet
F setconditional	F stopblankhandling
F setfalsevalue	F stopcolumns
F sethboxregister	F stopcomponentindeed
F setsomevalue	F stopenvironmentindeed
F settabulateentry	F stopfontclass
F settabulatelastentry	F stophboxregister
F settracing	F stopproductindeed
F setupsystem	F stopprojectindeed
F setupwithargument	F stopreadingfile
F setvalue	F stopregisterentries
F setvboxregister	F stopregisterentry

F EQ
F FL
F HL
F L
F LL
F LuaSnippet
F LuaSnippetBoundary
F LuaSnippetComment
F LuaSnippetName
F LuaSnippetNameBase
F LuaSnippetNameCore
F LuaSnippetNameLibraries
F LuaSnippetQuote
F LuaSnippetSpecial
F LuaSnippetString
F ML
F MPLIBsetCtext
F MPLIBsetNtext
F MPcolor
F MetapostSnippet
F MetapostSnippetBoundary
F MetapostSnippetComment
F MetapostSnippetConstructor
F MetapostSnippetName
F MetapostSnippetNameMetafun
F MetapostSnippetNamePlain
F MetapostSnippetNamePrimitive
F MetapostSnippetQuote
F MetapostSnippetSpecial
F MetapostSnippetString
F NC
F NR
F ParsedXmlSnippetCdata
F ParsedXmlSnippetComment
F ParsedXmlSnippetDoctype
F ParsedXmlSnippetElement
F ParsedXmlSnippetInstruction
F ParsedXmlSnippetKey
F ParsedXmlSnippetValue
F TexSnippet
F TexSnippetBoundary
F TexSnippetComment
F TexSnippetGroup
F TexSnippetName

F TexSnippetSpecial
F XmlSnippet
F XmlSnippetBoundary
F XmlSnippetCdata
F XmlSnippetComment
F XmlSnippetEntity
F XmlSnippetEqual
F XmlSnippetKey
F XmlSnippetName
F XmlSnippetString
F __flush
F __flushdirect
F __flushlines
F a
F addaskedblankskip
F addpredefinedblankskip
F applyprocessor
F b
F beginhbox
F beginvbox
F bf
F bgroup
F blank
F bold
F btxchecklistcombi
F btxchecklistentry
F btxciteauthorsetup
F btxcitesetup
F btxcitevariantparameter
F btxdirectlink
F btxflushauthor
F btxhandlelistentry
F btxhandlelisttextentry
F btxlistauthorsetup
F btxlistparameter
F btxlistsetup
F btxlistvariantparameter
F btxpagesetup
F btxsetafter
F btxsetauthorindex
F btxsetauthorvariant
F btxsetbacklink
F btxsetbacktrace
F btxsetbefore

F	btxsetcategory	F	colordeffgt
F	btxsetcitereference	F	colordefflc
F	btxsetcombis	F	colordefflt
F	btxsetconcat	F	colordefrgc
F	btxsetcount	F	colordefrgt
F	btxsetdataset	F	colordefrlc
F	btxsetfirst	F	colordefrlt
F	btxsetfirstinternal	F	concat
F	btxsetfirstnames	F	constructcs
F	btxsetfirstpage	F	constructcsonly
F	btxsetinitials	F	convertnumber
F	btxsetinternal	F	ctxreport
F	btxsetjuniors	F	d
F	btxsetlanguage	F	definefontsynonym
F	btxsetlastinternal	T	delayed
F	btxsetlastpage	F	digitsdigit
F	btxsetlefttext	F	digitsfinalcomma
F	btxsetlistreference	F	digitsfinalperiod
F	btxsetnumber	F	digitshighspace
F	btxsetoverflow	F	digitsintermediatecomma
F	btxsetrighttext	F	digitsintermediateperiod
F	btxsetsecond	F	digitsminus
F	btxsetsurnames	F	digitsnegative
F	btxsettag	F	digitsplus
F	btxsetthird	F	digitspositive
F	btxsetvons	F	digitspower
F	btxstartauthor	F	digitspowerminus
F	btxstartcite	F	digitspowerplus
F	btxstartciteauthor	F	digitsseparatorspace
F	btxstartsubcite	F	digitssignspace
F	btxstopauthor	F	digitsspace
F	btxstopcite	F	digitszeropadding
F	btxstopciteauthor	F	direct
F	btxstopsubcite	F	doactivateinjector
F	c	F	dodisplayverbatimbeginline
F	callfunctiononce	F	dodisplayverbatimemptyline
F	char	F	dodisplayverbatiminitialize
F	chardef	F	dodisplayverbatimnewline
F	color	F	dodisplayverbatimstart
F	colordefagc	F	dodisplayverbatimstop
F	colordefagt	F	dofastdefinetypeface
F	colordefalc	F	dofinishsomereference
F	colordefalt	F	doflushparallel
F	colordeffgc	F	dofromfiledescription

F dofromfileliteral	F getvalue
F dofromurldescription	F glyph
F dofromurlliteral	F gobbleoneargument
F doinlineverbatimbeginline	F goto
F doinlineverbatimemptyline	F hrule
F doinlineverbatimnewline	F input
F doinlineverbatimstart	T knownfunctions
F doinlineverbatimstop	F l
F domarkinjector	F lateluafunction
F donestedtypingstart	F letvaluerelax
F donestedtypingstop	F llap
F dosetfastregisterentry	F loadfile
F dostarttext	F loadfoundtypescriptfile
F doverbatimspace	F luasetup
F dummyxcell	F m
F egroup	F makelinenumber
F emptyreference	T metafun
F enablemode	F color
F endhbox	T delayed
F endvbox	F start
F environment	F stop
F expandreferencearguments	T nested
F expandreferenceoperation	F markingcommand
F finalizeautostructurelevel	F markingseparator
F finishjob	F newbox
F firstofoneargument	F newcount
F firstoftwoarguments	F newdimen
F fixedblankskip	F newindexer
F flexibleblankskip	F newmuskip
F flushblankhandling	F newskip
F flushboxregister	F newtexthandler
F flushnode	F newtoks
F fntsetdefname	F newverbosehandler
F fntsetnopsize	F nointerlineskip
F fntsetsomename	F normalatop
F fntsetsomesize	F normalover
T formatted	F overstrike
F monobold	F par
F fprint	F pdfliteral
T generics	F popcatcodes
S starttabulate	F poplogger
S stoptabulate	F printlines
F getlogger	F processfilemany
F getreferencestructureprefix	F processfilenone

F processfileonce	F startprojectindeed
F protect	F startreadingfile
T puretext	F startregisterentries
F pushcatcodes	F startregisterentry
F pushlogger	F startregisteroutput
F registerentry	F startregisterpages
F registerfunction	F startregistersection
F registeronepage	F startregisterseewords
F registerpagerange	F starttabulate
F registerseeword	F starttext
F reservefunction	F starttitle
F rlap	F startvboxregister
F rotate	F startxtitle
F runfile	F stopLuaSnippet
F secondoftwoarguments	F stopMetapostSnippet
F setblankcategory	F stopParsedXmlSnippet
F setblankorder	F stopTexSnippet
F setblankpenalty	F stopXmlSnippet
F setconditional	F stopblankhandling
F setfalsevalue	F stopcolumns
F sethboxregister	F stopcomponentindeed
F setsomevalue	F stopenvironmentindeed
F settabulateentry	F stopfontclass
F settabulatelastentry	F stophboxregister
F settracing	F stopproductindeed
F setupsystem	F stopprojectindeed
F setupwithargument	F stopreadingfile
F setvalue	F stopregisterentries
F setvboxregister	F stopregisterentry
F setxvalue	F stopregisteroutput
F space	F stopregisterpages
F sprint	F stopregistersection
F startLuaSnippet	F stopregisterseewords
F startMetapostSnippet	F stoptabulate
F startParsedXmlSnippet	F stoptext
F startTexSnippet	F stoptitle
F startXmlSnippet	F stopvboxregister
F startblankhandling	F stopxtitle
F startcolumns	F storenode
F startcomponentindeed	F synonymentry
F startenvironmentindeed	F tabulaterow
F startfontclass	F tabulaterowbold
F starthboxregister	F tabulaterowtyp
F startproductindeed	F tabulaterowtype

F template	F ParsedXmlSnippetCdata
T templates	F ParsedXmlSnippetComment
F texsetup	F ParsedXmlSnippetDoctype
F tobuffer	F ParsedXmlSnippetElement
F tocontext	F ParsedXmlSnippetInstruction
F tolines	F TexSnippetBoundary
F unitsC	F TexSnippetComment
F unitsN	F TexSnippetGroup
F unitsNspace	F TexSnippetName
F unitsNstart	F TexSnippetSpecial
F unitsNstop	F XmlSnippetBoundary
F unitsO	F XmlSnippetCdata
F unitsP	F XmlSnippetComment
F unitsPS	F XmlSnippetEntity
F unitsPU	F XmlSnippetEqual
F unitsPUS	F XmlSnippetKey
F unitsQ	F XmlSnippetName
F unitsS	F XmlSnippetString
F unitsU	F ctxreport
F unitsUS	F viafile
F unprotect	F vrule
F unregisterfunction	F xmlcdataafter
F usemodule	F xmlcdatabefore
F utfchar	F xmlcdataobeyedline
T verbatim	F xmlcdataobeyedspace
F LuaSnippetBoundary	F xmlprocessbuffer
F LuaSnippetComment	F xmlsetup

F LuaSnippetName	
F LuaSnippetNameBase	
F LuaSnippetNameCore	
F LuaSnippetNameLibraries	
F LuaSnippetQuote	
F LuaSnippetSpecial	
F LuaSnippetString	
F MetapostSnippetBoundary	
F MetapostSnippetComment	
F MetapostSnippetConstructor	
F MetapostSnippetName	
F MetapostSnippetNameMetafun	
F MetapostSnippetNamePlain	
F MetapostSnippetNamePrimitive	
F MetapostSnippetQuote	
F MetapostSnippetSpecial	
F MetapostSnippetString	

objectnumber	function
objectpage	function
octnumber	function
octstringtonumber	function
oneorrange	function
ordinal	function
overloadbookmark	function
page_injections_flush_after	function
page_injections_flush_before	function
page_injections_save	function
pagestaterealpage	function
parpos	function
pdfrotation	function
pdfstartmatrix	function
pdfstartmirroring	function
pdfstartrotation	function
pdfstartscaling	function

pdfstopmatrix	function	**pushhyphenation**	function
pdfstopmirroring	function	**pushitaliccorrection**	function
pdfstoprotation	function	**pushlist**	function
pdfstopscaling	function	**pushreferenceprefix**	function
percentageof	function	**pushregime**	function
pgfxcolorspec	function	**pushsectionblock**	function
placeparallel	function	**rawcharacter**	function
popfloat	function	**rawcountervalue**	function
pophyphenation	function	**rawdate**	function
popitaliccorrection	function	**referencepagestate**	function
poplist	function	**referencerealpage**	function
popreferenceprefix	function	**registerattachment**	function
popregime	function	**registerbodyfontsize**	function
popsectionblock	function	**registerbookmark**	function
pos	function	**registerbtxcitevariant**	function
posplus	function	**registerbtxlistvariant**	function
posstrut	function	**registerbuttons**	function
posthyphenchar	function	**registercatcodetable**	function
postponenotes	function	**registercolor**	function
poswhd	function	**registercolorintent**	function
posxy	function	**registeredviewerlayer**	function
prefixedconverted	function	**registerhelp**	function
prehyphenchar	function	**registerhyphenationexception**	function
prepareMPvariable	function	**registerhyphenationpattern**	function
preparedfile	function	**registeritemgroup**	function
presetsymbollist	function	**registerlanguagefeatures**	function
presettabulate	function	**registerlinenumbering**	function
prevcountervalue	function	**registermaintextcolor**	function
processbodyfontsizes	function	**registernamespace**	function
processbuffer	function	**registerpostponedblock**	function
processcolorcomponents	function	**registerrendering**	function
processedfile	function	**registersection**	function
processedfiles	function	**registersoundclip**	function
processfile	function	**registerstructureprocessor**	function
processfilemany	function	**registersynonym**	function
processfilenone	function	**registertransparency**	function
processfileonce	function	**registerunit**	function
processjob	function	**registerusedsynonym**	function
processlist	function	**registeruserdata**	function
processregister	function	**relatemarking**	function
processsplit	function	**remapentity**	function
processsynonyms	function	**removemissingcharacters**	function
purefontname	function	**renderingvar**	function
pushfloat	function	**replacemissingcharacters**	function

replacepospxywhd	function	**setbtxentry**	function
reportstructure	function	**setbtxregister**	function
resavefloat	function	**setbtxspecification**	function
resetcharacteralign	function	**setcharacteralign**	function
resetcounter	function	**setcharactercasing**	function
resetfontfeature	function	**setcharactercleaning**	function
resetfontsolution	function	**setcharactercodes**	function
resetinjector	function	**setcharacterkerning**	function
resetmarking	function	**setcharacterspacing**	function
resetmathattributes	function	**setcharacterstripping**	function
resetmathitalics	function	**setclosedocumentaction**	function
resetnullfont	function	**setclosepageaction**	function
resetparallel	function	**setcolormodel**	function
resetprevdepth	function	**setcounter**	function
resetreference	function	**setdataset**	function
resetstructureprocessor	function	**setdigitsmanipulation**	function
resettimer	function	**setdirection**	function
restartcounter	function	**setdocumentenvironments**	function
restorecounter	function	**setdocumentfilenames**	function
restorecurrentattributes	function	**setdocumentmodes**	function
restorenote	function	**setdocumentmodules**	function
romannumerals	function	**setelementuserproperties**	function
runbuffer	function	**setfigurelookuporder**	function
safechar	function	**setfirstline**	function
savebuffer	function	**setfontfeature**	function
savecounter	function	**setfontofid**	function
savecurrentattributes	function	**setfontsolution**	function
savedlistnumber	function	**setformat**	function
savedlistprefixednumber	function	**setformsmethod**	function
savedlisttitle	function	**sethyphenationfeatures**	function
savefloat	function	**setinitial**	function
savemargindata	function	**setinjector**	function
savenote	function	**setinsertionlocation**	function
saveobject	function	**setinterfaceconstant**	function
savepagedata	function	**setinterfaceelement**	function
saveparallel	function	**setinterfacemessage**	function
savestructureblock	function	**setinterfacemessages**	function
savetaggedtwopassdata	function	**setinterfacevariable**	function
savetwopassdata	function	**setinternalreference**	function
savevariable	function	**setjobcomment**	function
second	function	**setlanguageexceptions**	function
selectstructureblock	function	**setlanguagesynonym**	function
setbreakpoints	function	**setlayer**	function
setbtxdataset	function	**setmarking**	function

setmathalphabet	function	**settagtablecell**	function
setmathalternate	function	**settagtabulatecell**	function
setmathattribute	function	**setupbookmarks**	function
setmathdirection	function	**setupcanvas**	function
setmathitalics	function	**setupcharacterspacing**	function
setmathstyle	function	**setupexport**	function
setnextinternalreference	function	**setupfontexpansion**	function
setnextreferenceorder	function	**setupfontprotrusion**	function
setnotestate	function	**setuphyphenation**	function
setnotesymbolpage	function	**setupidentity**	function
setobject	function	**setupinsertion**	function
setopendocumentaction	function	**setupitaliccorrection**	function
setopenpageaction	function	**setuplinenumbering**	function
setowncounter	function	**setvisual**	function
setpagestate	function	**setxmpfile**	function
setpagestaterealpageno	function	**showassignerror**	function
setpagetransition	function	**showattributes**	function
setparbuilder	function	**showbtxdatasetauthors**	function
setpos	function	**showbtxdatasetcompleteness**	function
setrandomseed	function	**showbtxdatasetfields**	function
setrealign	function	**showbtxfields**	function
setrealspaces	function	**showbtxtables**	function
setreferencearguments	function	**showcallbacks**	function
setreferenceattribute	function	**showchardata**	function
setreferenceoperation	function	**showcounter**	function
setregistermethod	function	**showdiscretionaries**	function
setreplacements	function	**showfontparameters**	function
setsectionblock	function	**showhyphenatedinlist**	function
setsectionentry	function	**showhyphenationtrace**	function
setsectionlevel	function	**showinjector**	function
setsectionnumber	function	**showjustification**	function
setstructureblockstate	function	**showmessage**	function
settagaspect	function	**sin**	function
settagcombination	function	**sind**	function
settagdescription	function	**splitfilename**	function
settagdescriptionsymbol	function	**spotcolorname**	function
settagfigure	function	**spotcolorparent**	function
settaghighlight	function	**spotcolorvalue**	function
settagitemgroup	function	**startactualtext**	function
settaglist	function	**startchemical**	function
settagproperty	function	**startcolorset**	function
settagregister	function	**startcomponent**	function
settagsorting	function	**startenvironment**	function
settagsynonym	function	**startfontsolution**	function

startparbuilder	function	**taggedmathfunction**	function
startproduct	function	**tan**	function
startproject	function	**tand**	function
startregime	function	**testcase**	function
startsectionlevel	function	**textime**	function
starttag	function	**thefirstcharacter**	function
starttext	function	**theremainingcharacters**	function
startviewerlayer	function	**thetexdefinition**	function
stopactualtext	function	**tochar**	function
stopchemical	function	**transparencycomponents**	function
stopcolorset	function	**triggereffect**	function
stopcomponent	function	**triggernegative**	function
stopenvironment	function	**truefilename**	function
stopfontsolution	function	**typebuffer**	function
stopparbuilder	function	**typefile**	function
stopproduct	function	**typestring**	function
stopproject	function	**uchexnumber**	function
stopregime	function	**uchexnumbers**	function
stopsectionlevel	function	**undefinechemical**	function
stoptag	function	**unicodechar**	function
stoptext	function	**unit**	function
stopviewerlayer	function	**unloadlanguage**	function
storejavascriptcode	function	**upper**	function
storejavascriptpreamble	function	**useMPlibrary**	function
storenote	function	**useanyfile**	function
storeregister	function	**usebtxdataset**	function
strdp	function	**usecldfile**	function
strhd	function	**usecolors**	function
strht	function	**usecomponent**	function
strip	function	**useenvironment**	function
structureautocatcodedget	function	**usefile**	function
structurecatcodedget	function	**usejavascriptpreamble**	function
structuregivencatcodedget	function	**usejavascriptscripts**	function
structurenumber	function	**uselibrary**	function
structuretitle	function	**useluafile**	function
structureuservariable	function	**useluamodule**	function
structurevariable	function	**usemodules**	function
strwd	function	**usepath**	function
subcountervalues	function	**useproduct**	function
synchronizecolormodel	function	**useproject**	function
synchronizemarking	function	**usesubpath**	function
synonymmeaning	function	**usesymbols**	function
synonymname	function	**usetexfile**	function
systemlog	function	**useurl**	function

usexmlfile	function
usezipfile	function
utfchar	function
utfmathclass	function
utfmathcommand	function
utfmathcommandabove	function
utfmathcommandbelow	function
utfmathcommandfiller	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
write	function
writestatus	function
x_table_c	function
x_table_cleanup	function
x_table_construct	function
x_table_create	function
x_table_finish_row	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)

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

coroutine (basic lua)

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

ctxrunner (context)

load   function
prepfiles data table
resolve   function

debug (basic lua)

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

dir (context)

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

directives (context)

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

document (context)

arguments	data table
files	table
getargument	function
getfilename	function
options	table

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

epdf (extra tex)

Array	function
Attribute	function
AttributeOwner_Type	function
Attribute_Type	function
Dict	function
Object	function
PDFRectangle	function
StructElement_Type	function
open	overloaded 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
badname	function
bases	data table
bitmapimage	function
boxnumber	number
cachepaths	data table
check	function
checkers	data table
converters	data table
current	function
defaultdepth	number
defaultheight	number
defaultsearch	boolean
defaultwidth	number
done	function
dummy	function
existers	data table
exists	function
formats	data table
found	data table
get	function
getrealpage	function
guess	function
hash	function
identifiers	data table
identify	function
images	table
F boxes	
F check	
F checksize	
F clone	
F copy	
F immediatewrite	
F keys	
F new	
F node	
F ofindex	
F package	
F print	
F scan	
F serialize	

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

file (basic lua)

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

floats (context)

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

font (basic tex)

current	function
define	function
each	function
fonts	table
frozen	function
getfont	overloaded function
id	function
max	function
nextid	function
read_tfm	function
read_vf	function
setfont	function

fontloader (extra tex)

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

fonts (context)

analyzers   table

  T features

    N blwf

    N fina

    N half

    N init

    N isol

    N medi

    N pref

    N pstf

    N rphf

  D initializers

  D methods

  F setstate

  T states

    N blwf

    N fina

    N half

    N init

    N isol

    N mark

    N medi

    N pref

    N pstf

    N rest

    N rphf

  B useunicodemarks

checkers   table

  F getmissing

  F missing

cid   table

  F getmap

  F loadfile

collections   table

  F checkenabled

  F clonevector

  F define

  T definitions

  F prepare

  F process

  F registermain

  F report

  F reset

  T vectors

constructors   table

  F addcoreunicodes

  F aftercopyingcharacters

  F applymanipulators

  F assignmathparameters

  B autocleanup

  F beforecopyingcharacters

  D cache

  B cacheintex

  F calculatescale

  F checkedfeatures

  F checkedfilename

  F checkvirtualids

  F cleanuptable

  F collectprocessors

  D designsizes

  D dontembed

  F enhanceparameters

  N factor

  F finalize

  F getfeatureaction

  F hashfeatures

  F hashinstance

  T hashmethods

    F normal

    F virtual

  F initializefeatures

  T keys

    T character

      S depth

      S height

      S italic

      S width

    T description

      T boundingbox

      S depth

      S height

      S width

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

F checkedscript	N Fitacyrillic
F current	N Gcedilla
S defaultlookup	N Gdot
F define	N Gecyrillic
F getspecification	N Gheupturncyrillic
F internal	N Gjecyrillic
F loadfont	N Hardsigncyrillic
F makespecification	N IAcyrillic
T methods	N IUcyrillic
F install	N Icyrillic
D variants	N Idot
F read	N Iecyrillic
F register	N Iicyrillic
F registered	N Iishortcyrillic
F registersplit	N Iocyrillic
F resetnullfont	N Izhitsacyrillic
F resolve	N Jecyrillic
T resolvers	N Kacyrillic
F file	N Kcedilla
F name	N Khacyrillic
F spec	N Kjecyrillic
definetypeface function	N Lcedilla
encodings table	N Ljecyrillic
T agl	N Ncedilla
D extras	N Njecyrillic
D names	N Ocyrillic
T synonyms	N Odblacute
N Acyrillic	N Ohm
N Becyrillic	N Pecyrillic
N Cdot	N Rcedilla
N Checyrillic	N Shacyrillic
N Decyrillic	N Shchacyrillic
N Djecyrillic	N Softsigncyrillic
N Dzecyrillic	N Tcedilla
N Dzhecyrillic	N Tecyrillic
N Ecyrillic	N Tsecyrillic
N Edot	N Tshecyrillic
N Efcyrillic	N Ucyrillic
N Elcyrillic	N Udblacute
N Emcyrillic	N Ushortcyrillic
N Encyrillic	N Vecyrillic
N Ercyrillic	N Yatcyrillic
N Ereversedcyrillic	N Yericyrillic
N Escyrillic	N Yicyrillic

N Zdot
N Zecyrillic
N Zhecyrillic
N acutecmb
N acyrillic
N afii00208
N afii08941
N afii57694
N afii57695
N afii57700
N afii57705
N afii57723
N alef
N alefmaksurainitialarabic
N alefmaksuramedialarabic
N approximatelyequal
N asteriskaltonearabic
N ayin
N bet
N betdagesh
N blackdownpointingtriangle
N blackleftpointingpointer
N blackrectangle
N blackrightpointingpointer
N blacksmilingface
N blacksquare
N blackuppointingtriangle
N bulletinverse
N cdot
N compass
N dagesh
N dalet
N daletdagesh
N dalethatafpatah
N dalethatafpatahhebrew
N dalethatafsegol
N dalethatafsegolhebrew
N dalethebrew
N dalethiriq
N dalethiriqhebrew
N daletholam
N daletholamhebrew
N daletpatah
N daletpatahhebrew

N daletqamats
N daletqamatshebrew
N daletqubuts
N daletqubutshebrew
N daletsegol
N daletsegolhebrew
N daletsheva
N daletshevahebrew
N dalettsere
N dammaarabic
N dammatanaltonearabic
N dargahebrew
N dbllowline
N decimalseparatorarabic
N dialytikatonos
N dotbelowcmb
N doubleyodpatah
N doubleyodpatahhebrew
N edot
N eightarabic
N eighthnotebeamed
N etnahtafoukhhebrew
N etnahtafoukhlefthebrew
N etnahtahebrew
N fathaarabic
N finalkaf
N finalkafdagesh
N finalkafhebrew
N finalkafqamats
N finalkafqamatshebrew
N finalkafsheva
N finalmem
N finalnun
N finalpe
N finaltsadi
N fivearabic
N forall
N fourarabic
N gcedilla
N gdot
N gimel
N gimeldagesh
N gravecmb
N haaltonearabic

N hamzaarabic
N hamzadammaarabic
N hamzadammatanarabic
N hamzafathaarabic
N hamzafathatanarabic
N hamzalowarabic
N hamzalowkasraarabic
N hamzalowkasratanarabic
N hatafpatah
N hatafpatah16
N hatafpatah23
N hatafpatah2f
N hatafpatahhebrew
N hatafpatahnarrowhebrew
N hatafpatahquarterhebrew
N hatafqamats
N hatafqamats1b
N hatafqamats28
N hatafqamats34
N hatafqamatshebrew
N hatafqamatsnarrowhebrew
N hatafqamatsquarterhebrew
N hatafsegol
N hatafsegol17
N hatafsegol24
N hatafsegol30
N hatafsegolhebrew
N hatafsegolnarrowhebrew
N hatafsegolquarterhebrew
N he
N hedagesh
N hehfinalalttwoarabic
N het
N hiriq
N hiriq14
N hiriq21
N hiriq2d
N hiriqhebrew
N hiriqnarrowhebrew
N hiriqquarterhebrew
N holam
N holam19
N holam26
N holam32

N holamhebrew
N holamnarrowhebrew
N holamquarterhebrew
N ilde
N integralbottom
N integraltop
N kaf
N kafdagesh
N kashidaautoarabic
N kashidaautonosidebearingarabic
N kcedilla
N lamed
N lameddagesh
N lamedhebrew
N lamedholam
N lamedholamdagesh
N lamedholamdageshhebrew
N laminitialarabic
N lammeemjeeminitialarabic
N lcedilla
N logicalnotreversed
N mahapakhhebrew
N mem
N memdagesh
N merkhahebrew
N merkhakefulahebrew
N middot
N munahhebrew
N nbspace
N ncedilla
N newsheqelsign
N ninearabic
N noonhehinitialarabic
N nun
N nundagesh
N odblacute
N onearabic
N overscore
N patah
N patah11
N patah1d
N patah2a
N patahhebrew
N patahnarrowhebrew

N patahquarterhebrew	N qubutshebrew
N pe	N qubutsnarrowhebrew
N pedagesh	N qubutsquarterhebrew
N qamats	N quoteleftreversed
N qamats10	N rafe
N qamats1a	N rcedilla
N qamats1c	N reharabic
N qamats27	N resh
N qamats29	N reshhatafpatah
N qamats33	N reshhatafpatahhebrew
N qamatsde	N reshhatafsegol
N qamatshebrew	N reshhatafsegolhebrew
N qamatsnarrowhebrew	N reshhebrew
N qamatsqatanhebrew	N reshhiriq
N qamatsqatannarrowhebrew	N reshhiriqhebrew
N qamatsqatanquarterhebrew	N reshholam
N qamatsqatanwidehebrew	N reshholamhebrew
N qamatsquarterhebrew	N reshpatah
N qof	N reshpatahhebrew
N qofdagesh	N reshqamats
N qofhatafpatah	N reshqamatshebrew
N qofhatafpatahhebrew	N reshqubuts
N qofhatafsegol	N reshqubutshebrew
N qofhatafsegolhebrew	N reshsegol
N qofhebrew	N reshsegolhebrew
N qofhiriq	N reshsheva
N qofhiriqhebrew	N reshshevahebrew
N qofholam	N reshtsere
N qofholamhebrew	N reviahebrew
N qofpatah	N samekh
N qofpatahhebrew	N samekhdagesh
N qofqamats	N segol
N qofqamatshebrew	N segol13
N qofqubuts	N segol1f
N qofqubutshebrew	N segol2c
N qofsegol	N segolhebrew
N qofsegolhebrew	N segolnarrowhebrew
N qofsheva	N segolquarterhebrew
N qofshevahebrew	N sevenarabic
N qoftsere	N sfthyphen
N qubuts	N shaddaarabic
N qubuts18	N sheqel
N qubuts25	N sheva
N qubuts31	N sheva115

N sheva15		N zayin	
N sheva22		N zayindagesh	
N sheva2e		N zdot	
N shevahebrew		N zeroarabic	
N shevanarrowhebrew		D unicodes	
N shevaquarterhebrew		D cache	
N shin		F is_known	
N shindagesh		D known	
N shindageshshindot		F load	
N shindageshsindot		F make_unicode_vector	
N shinshindot		D math	
N shinsindot		N version	
N siluqhebrew		**expansions**	data table
N sixarabic		**formats**	data table
N tav		**goodies**	table
N tavdages		D colorschemes	
N tavdagesh		D data	
N tcedilla		D designsizes	
N tchehinitialarabic		D filenames	
N tet		F getcompositions	
N tetdagesh		T list	
N tevirhebrew		F compositions	
N thousandsseparatorarabic		F designsizes	
N threearabic		F expansions	
N tildecmb		F featureset	
N tipehahebrew		F filenames	
N tsadi		F files	
N tsadidagesh		F mathematics	
N tsere		F protrusions	
N tsere12		F solutions	
N tsere1e		F treatments	
N tsere2b		F typefaces	
N tserehebrew		F load	
N tserenarrowhebrew		F prepare_features	
N tserequarterhebrew		F register	
N twoarabic		F registerpostprocessor	
N udblacute		F report	
N vav		**handlers**	table
N vavdagesh		T afm	
N vavdagesh65		B addkerns	
N vavholam		B addligatures	
N yerahbenyomohebrew		B addtexligatures	
N yod		B autoprefixed	
N yoddagesh		D cache	

```
  D features
  T helpdata
    D bothkerned
    D leftkerned
    D ligatures
    D rightkerned
    D texligatures
  F load
  F setfeatures
  B syncspace
  N version
T otf
  F addfeature
  D cache
  T chainhandlers
    F normal
    F verbose
  F collectlookups
  F dataset
  S defaultbasealternate
  S defaultnodealternate
  D enhancers
  D features
  F fileformat
  F getalternate
  T glists
  T handlers
    F contextchain
    F devanagari_remove_joiners
    F devanagari_reorder_matras
    F devanagari_reorder_pre_base_reordering_consonants
    F devanagari_reorder_reph
    F gpos_context
    F gpos_contextchain
    F gpos_cursive
    F gpos_mark2base
    F gpos_mark2ligature
    F gpos_mark2mark
    F gpos_pair
    F gpos_single
    F gsub_alternate
    F gsub_context
    F gsub_contextchain
    F gsub_ligature
    F gsub_multiple
    F gsub_reversecontextchain
    F gsub_single
  F load
  F scriptandlanguage
  F setcontextchain
  F setdynamics
  F setfeatures
  T statistics
    D usedfeatures
  T tables
    D baselines
    D features
    D languages
    D scripts
  N version
T pfb
T tfm
  D features
  F setfeatures
T vf
  T combinations
  F combine
  T combiner
    D commands
  F find
  D helpers
  D math
  D predefined
  D whatever
```

hashes table

```
  D characters
  D csnames
  D descriptions
  D dynamics
  D emwidths
  D exheights
  D extensibles
  D features
  D identifiers
  D italics
  D lastmathids
  D marks
  D modes
```

D originals	S pc
D parameters	S pd
T processes	S pe
D properties	S pf
D quads	S pi
D resources	S po
T setdynamics	S ps
D spaces	S sc
D spacings	S sk
D unicodes	S sm
D xheights	S so

helpers table

F format

F addprivate

F onetimemessage

F dimenfactor

F register

F expandglyph

F reportdefinedfonts

F fontpatternhassize

F reportusedfeatures

F getdigitwidth

mappings table

F getparameters

F addtounicode

F getprivatenode

F fromunicode16

F hasprivate

F loadfile

F indextoslot

F loadline

F name

F loadlumtable

F nametoslot

F makenameparser

F setdigitwidth

T overloads

F splitfontpattern

  T IJ

F tochar

    N mess

iterators table

    S name

F characters

    T unicode

F descriptions

  T I_J

F glyphs

    N mess

loggers table

    S name

F add_placeholders

    T unicode

T category_to_placeholder

  T f_f

  S ll

    N mess

  S lm

    S name

  S lo

    T unicode

  S lt

  T f_f_i

  S lu

    N mess

  S mc

    S name

  S me

    T unicode

  S mn

  T f_f_l

  S nd

    N mess

  S nl

    S name

  S no

    T unicode

T f_i	
N mess	
S name	
T unicode	
T f_j	
S name	
T unicode	
T f_k	
S name	
T unicode	
T f_l	
N mess	
S name	
T unicode	
T ff	
N mess	
S name	
T unicode	
T ffi	
N mess	
S name	
T unicode	
T ffl	
N mess	
S name	
T unicode	
T fi	
N mess	
S name	
T unicode	
T fj	
S name	
T unicode	
T fk	
S name	
T unicode	
T fl	
N mess	
S name	
T unicode	
T i_j	
N mess	
S name	
T unicode	

T ij
  N mess
  S name
  T unicode
  F reset
  F tounicode
  F tounicode16
  F tounicode16sequence
mp   table
  D cache
  B inline
  N version
names   data table
nulldata   data table
protrusions data table
readers   table
  F afm
  F check_lua
  F check_tfm
  F dfont
  F lua
  F opentype
  F otf
  F pfb
  D sequence
  F tfm
  F ttc
  F ttf
select   table
  T data
  F definetypeface
  T fallbacks
  F filterinput
  T methods
    F default
    F features
    F file
    F goodies
    F name
    F selectfont
    F simplefonts
    F spec
    F style
  F registerfallback

F searchfiles

specifiers   table

D contextmerged

F contextnumber

D contextnumbers

D contextsetups

F contexttostring

F definecontext

F mergecontext

F presetcontext

F registercontext

F showcontext

F splitcontext

D synonyms

D variants

symbols   table

F uselibrary

tables   table
tracers   table
treatments   table

F applyfixes

D data

S filename

F ignoredfile

F report

F trace

typefaces   data table

functions (context)

dummy function

graphics (context)

backgrounds table

- F calculatemultipar
- F fetchmultipar
- F pair
- F path
- F point

gzip (extra lua)

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

img (basic tex)

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

interactions (context)

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

interfaces (context)

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

io (basic lua)

ask	function
bytes	function
characters	function
close	function
exists	function
fileseparator	string
flush	function
input	overloaded function
lines	overloaded function
loadchunk	function
loaddata	function
loadlines	function
noflines	function
open	overloaded function
output	overloaded function
pathseparator	string
popen	overloaded function
read	function
readall	function
readnumber	function
readstring	function
savedata	function
size	function
stderr	userdata
stdin	userdata
stdout	userdata
tmpfile	function
type	function
write	function

jit (context)

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

job (context)

comment   function
datasets   table
   D collected
   F extend
   F getdata
   F setdata
   D tobesaved
disablesave function
files   table
   D collected
   F context
   B forcerun
   F run
   D tobesaved
initialize function
load   function
loadother   function
objects   table
   D collected
   F get
   F number
   F page
   F save
   F set
   D tobesaved
pack   boolean
packversion number
pagestates table
   D collected
   F extend
   F realpage
   F setstate
   D tobesaved
passes   table
   F check
   D collected
   F count
   F define
   F find
   F first
   F get

   F getcollected
   F getdata
   F getfield
   F gettobesaved
   F inlist
   F last
   F list
   F save
   F savetagged
   D tobesaved
positions   table
   F b_col
   F b_region
   F c
   D collected
   F column
   F copy
   F depth
   F e_col
   F e_region
   F enhance
   F extra
   F get
   F getreserved
   F hangafter
   F hangindent
   F height
   F hsize
   F leftskip
   F lowerleft
   F lowerright
   F markregionbox
   F n
   F onsamepage
   F overlapping
   F p
   F page
   F paragraph
   F parindent
   F position
   F r

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

lang (basic tex)

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

languages (context)

associate	function	**numbers**	data table
associated	data table	**postexhyphenchar**	function
association	function	**posthyphenchar**	function
counters	data table	**preexhyphenchar**	function
current	function	**prehyphenchar**	function
data	data table	**registered**	data table
define	function	**replacements**	table
expand	function	F add	
expanders	table	F handler	
frequencies	table	F set	
F averagecharwidth		**righthyphenmin**	function
F getdata		**serializediscretionary**	function
getdata	function	**setexceptions**	function
getnumber	function	**setsynonym**	function
hyphenate	function	**unload**	function
hyphenators	table	**version**	number
T dictionaries		**visualizediscretionaries**	function
D featuresets		**words**	table
F handler		F check	
F popmethod		T data	
F pushmethod		F disable	
F setmethod		F enable	
T traditional		T enablers	
F definefeatures		B enables	
F gettrace		F found	
F hyphenate		F load	
F injecthyphens		T methods	
F installmethod		N threshold	
F lasttrace			
F loadpatterns			
F registerexception			
F registerpattern			
installed	function		
labels	table		
F define			
F split			
lefthyphenmin	function		
loadable	function		
loadwords	function		
logger	table		
F report			

layouts (context)

status table

    F isleftpage

    F leftorrightpagection

lfs (extra lua)

attributes	overloaded function
chdir	overloaded function
currentdir	function
dir	overloaded function
isdir	overloaded function
isfile	overloaded function
lock	function
lock_dir	overloaded function
mkdir	overloaded function
mkdirs	function
readlink	overloaded function
rmdir	overloaded function
setmode	overloaded function
shortname	overloaded function
symlinkattributes	overloaded function
touch	overloaded 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		**stripcss**	function
convert	function		**tv**	function
convertfile	function		**type**	function
convertstring	function		**urlescape**	function
einject	function		**variable**	function
eprint	function		**variables**	table
escape	function		S color-background-blue	
finalized	function		S color-background-body	
finject	function		S color-background-green	
fprint	function		S color-background-main	
get	function		S color-background-purple	
getvariables	function		S color-background-yellow	
htmfile	function		S title-default	
html	table			

    F a
    F td
    F th

include   function
inherited   table

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

initialize   function
inject   function
lmxfile   function
loadedfile   function
make   function
new   function
overloaderror   function
popupfile   function
print   function
pv   function
report   function
reset   function
result   function
set   function
show   function
showdebuginfo   function
showerror   function

logs (context)

application	function	**simplelines**	function
categories	function	**start_page_number**	function
direct	function	**status**	function
disable	function	**stop_page_number**	function
enable	function	**subdirect**	function
exporters	table	**subreport**	function
extendbanner	function	**system**	function
flush	function	**texerrormessage**	function
help	function	**writer**	function
messenger	function		
new	function		
newline	function		
poptarget	function		
pushtarget	function		
report	function		
reportbanner	function		
reporter	function		
reporters	table		

    F banner
    F export
    F help
    F info
    F lines
    F version

reportline	function
reportlines	function
setformats	function
setformatters	function
setlogfile	function
setmessenger	function
setprocessor	function
setprogram	function
settarget	function
settimedlog	function
settranslations	function
show	function
show_close	function
show_load	function
show_open	function
simple	function
simpleline	function

lpdf (context)

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

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

lpeg (basic lua)

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

ltn12 (extra lua)

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

lua (basic tex)

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

luatex (context)

cleanuptempfiles	function
registerstartactions	function
registerstopactions	function
registertempfile	function
starttime	number

lxml (context)

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

setcommandtotext	function
setsetup	function
snippet	function
sorters	table

    F add

    F compare

    F flush

    F reset

    F show

    F sort

splitid	function
startraw	function
stopraw	function
store	function
strip	function
stripped	function
tag	function
text	function
tofile	function
toparameters	function
toverbatim	function
verbatim	function
withindex	function
xmltexhandler	data table

math (basic lua)

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

mathematics (context)

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

mbox (context)

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

md5 (extra lua)

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

metapost (context)

analyzeplugins	function		**gettext**	function
checkformat	function		**graphic**	function
checktexts	function		**graphic_base_pass**	function
collapse	boolean		**initializescriptrunner**	function
colorinitializer	function		**instance**	function
convert	function		**intermediate**	table
defaultformat	string		T actions	
defaultinstance	string		F makempy	
defaultmethod	string		**lastlog**	string
directrun	function		**load**	function
edefsxsy	function		**makempy**	table
escaped	function		N nofconverted	
exectime	table		F processgraphics	
extensiondata	data table		F registerfile	
filterclippath	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				
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			**properties**	table
N instances			**quickanddirty**	function
F process			**reducetogray**	boolean
format	function		**reporterror**	function
format_number	function		**reset**	function
format_string	function		**resetlastlog**	function
formatnumber	function		**resetplugins**	function
getclippath	function		**runscript**	function
getextensions	function		**scripterror**	function
getstatistics	function		**setextensions**	function
			setoutercolor	function

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

mime (extra lua)

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

mp (context)

_f_	function
dataset	function
datasets	table
F load	
format	function
get	table
F boolean	
F number	
F numeric	
F string	
n	function
numeric	function
pair	function
path	function
print	function
quadruple	function
quoted	function
size	function
triplet	function

mplib (extra tex)

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

noads (context)

handlers   table

    F check

    F classes

    F collapse

    F families

    F italics

    F relocate

    F render

    F resize

    F showtree

    F tags

    F unscript

    F variants

process   function

processors   table

    T collapse

    F mlist_to_hlist

    T relocate

    T render

    T resize

    T unscript

node (basic tex)

copy	function
copy_list	function
count	function
current_attr	function
dimensions	function
direct	table

F copy
F copy_list
F count
F current_attr
F dimensions
F do_ligature_n
F end_of_math
F first_glyph
F flush_list
F flush_node
F flush_properties_table
F free
F get_properties_table
F getbox
F getchar
F getfield
F getfont
F getid
F getleader
F getlist
F getnext
F getprev
F getproperty
F getsubtype
F has_attribute
F has_field
F has_glyph
F hpack
F insert_after
F insert_before
F is_direct
F is_node
F last_node
F length
F new

F protect_glyphs
F protrusion_skippable
F remove
F set_attribute
F set_properties_mode
F setbox
F setfield
F setproperty
F slide
F tail
F todirect
F tonode
F tostring
F traverse
F traverse_id
F unprotect_glyphs
F unset_attribute
F usedlist
F vpack
F write

do_ligature_n	function
end_of_math	function
family_font	function
fields	function
first_character	function
first_glyph	function
flush_list	function
flush_node	function
flush_properties_table	function
free	function
get_properties_table	function
getchar	function
getfield	function
getfont	function
getid	function
getleader	function
getlist	function
getnext	function
getprev	function
getproperty	function
getsubtype	function

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

nodes (context)

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

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

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

F	somespace		
F	tail		
F	takebox		
F	tonode		
F	tonodes		
F	tonut		
F	tosequence		
F	tostring		
F	tracedslide		
F	traverse		
F	traverse_id		
T	typesetters		
	F fast_hpack		
	F hpack		
	F tohpack		
	F tohpackfast		
	F tonodes		
	F tovpack		
	F tovpackfast		
	F vpack		
F	unprotect_glyphs		
F	unset_attribute		
F	unsetattribute		
F	unsetattributes		
F	untracedslide		
F	usedlist		
F	vianodes		
F	vianuts		
F	vpack		
F	writable_spec		
F	write		
packlist		function	
pardir_is_equal		data table	
pardir_is_opposite		data table	
pardir_is_parallel		data table	
partextdir_is_equal		data table	
penaltycodes		data table	
plugindata		table	
F	finalizer		
F	initializer		
S	name		
T	namespace		
	N attribute		
	D data		

F	enable		
F	handler		
F	register		
D	registered		
D	values		
F	processor		
points		function	
pool		table	
F	baselineskip		
F	cleanup		
F	glyph		
F	kern		
F	latelua		
F	lateluafunction		
F	lineskip		
F	pdfdirect		
F	pdfliteral		
F	pdfrestore		
F	pdfsave		
F	pdfsetmatrix		
F	register		
F	rule		
F	special		
F	usage		
T	userids		
	N margins.inline		
	N property		
	N splitters.one		
	N splitters.two		
	F usernumber		
prepend		function	
print		function	
processors		table	
B	enabled		
F	hpack_filter		
F	post_linebreak_filter		
F	pre_linebreak_filter		
F	tracer		
processwords		function	
properties		table	
T	actions		
	F delayed		
	F fdelayed		
	F immediate		

F attach		**snapshots**	table
T data		F getparameters	
F delayed		F getsamples	
protect_glyphs	function	F resetsamples	
protrusion_skippable	function	F takesample	
pts	function	**somepenalty**	function
reference	function	**somespace**	function
references	table	**stripping**	table
N attribute		T glyphs	
T done		F set	
F handler		**striprange**	function
T stack		**tail**	function
remove	function	**takebox**	function
repackhlist	function	**tasks**	table
replace	function	F actions	
report	function	F appendaction	
rightmarginwidth	function	F disableaction	
rules	table	F disablegroup	
D data		F enableaction	
F define		F enablegroup	
F enable		F freeze	
F handler		F freezegroup	
save	function	F new	
serialize	function	F prependaction	
serializebox	function	F removeaction	
set_attribute	function	F replaceaction	
setattr	function	F restart	
setattribute	function	F setaction	
setattributes	function	F showactions	
setbox	function	F table	
setfield	function	**textdir_is_equal**	data table
setunsetattributes	function	**textdir_is_is**	data table
shifts	table	**textdir_is_opposite**	data table
D data		**textdir_is_parallel**	data table
F define		**tobasepoints**	function
F enable		**tocentimeters**	function
F handler		**tociceros**	function
show	function	**todidots**	function
showboxes	function	**todimen**	function
showcodes	function	**toinches**	function
showlist	function	**tomillimeters**	function
showsimplelist	function	**tonewciceros**	function
skipcodes	data table	**tonewdidots**	function
slide	function	**tonode**	function

tonodes	function		F reset
tonut	function		F start
topicas	function		F stop
topoints	function		F stop
toscaledpoints	function		T transparencies
tosequence	function		F reset
tostring	function		F set
totable	function		F setlist
totree	function	**traverse**	function
toutf	function	**traverse_id**	function
tracers	table	**typesetters**	table
T characters		F hpack	
F collect		F tohpack	
F equal		F tohpackfast	
F start		F tonodes	
F string		F tovpack	
F unicodes		F tovpackfast	
T colors		F vpack	
F reset		**unprotect_glyphs**	function
F set		**unset_attribute**	function
F setlist		**unsetattribute**	function
F fontchar		**unsetattributes**	function
T frequencies		**usedlist**	function
F register		**vianodes**	function
T pool		**vianuts**	function
T nodes		**visualizebox**	function
F rule		**visualizers**	table
T nuts		F box	
F rule		F handler	
F resetproperties		F markfonts	
F rule		F setfont	
F setlist		F setlayer	
F setproperties		F setvisual	
F start		**vpack**	function
T steppers		**whatcodes**	data table
F check		**whatsitcodes**	data table
F codes		**writable_spec**	function
F features		**write**	function
F font			
F glyphs			
F message			
F messages			
F nofsteps			
F register			

number (context)

	function
basepoints	function
bit	function
bits	function
clearbit	function
dimenfactors	data table
formatted	function
hasbit	function
maxdimen	number
nopts	function
percent	function
points	function
pts	function
setbit	function
signed	function
sparseexponent	function
splitdimen	function
tobasepoints	function
tobitstring	function
tocentimeters	function
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
toset	function
valid	function

os (basic lua)

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

package (basic lua)

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

pagebuilders (context)

injections   table

    F flushafter

    F flushbefore

    F save

mixedcolumns   table

    F cleanup

    F finalize

    F getlist

    F getrest

    F getsplit

    F setsplit

pdf (basic tex)

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

pdfscanner (context)

scan function

physics (context)

units table
   D tables

profiler (extra lua)

pause   function
resume function
start   function
stop   function

publications (context)

addtexentry	function
analyze	function
anywhere	function
casters	table
F author	
F keyword	
F pagenumber	
citevariants	table
F author	
F authornum	
F authoryear	
F authoryears	
F category	
F default	
F entry	
F index	
F key	
F num	
F page	
F serial	
F short	
F tag	
F type	
F year	
collected	data table
components	table
F author	
concatstate	function
converttoxml	function
currentspecification	table
S author	
T categories	
T article	
S category	
T extra	
T fields	
S author	
S doi	
S editor	
S file	
S issn	

S journal	
S note	
S number	
S pages	
S subtitle	
S title	
S type	
S url	
S volume	
S year	
T optional	
T required	
T sets	
T author	
T doi	
T isbn	
T volume	
T virtual	
T book	
S category	
T extra	
T fields	
S address	
S author	
S day	
S doi	
S edition	
S editor	
S file	
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fromregime	function
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process	function
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appendhash	function	**findwildcardfile**	function
automount	function	**findwildcardfiles**	function
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env	function	D expansions	
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findbinfile	function	B remember	
findctxfile	function	B renewcache	
finders	data table	B renewtree	
findfile	function	B savelists	
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F currentenvironment		**registermethod**	function
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D processors		**repath**	function
F productcomponent		**reset**	function
F usefile		**resetextrapath**	function
joinpath	function	**resetresolve**	function
load	function	**resolve**	function
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F decodecomment		**setdynamic**	function
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methodhandler	function	**splitpath**	function
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openers	data table	**suffixmap**	data table
openfile	function	**suffixofformat**	function
opentexfile	function	**texdatablob**	function
ownpath	string	**toppath**	function
poppath	function	**unexpandedpath**	function
prefixes	data table	**unexpandedpathlist**	function
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registerfile	function	**usertypes**	data table

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variableofformatorsuffix	function
wildcardpattern	function

sandbox (context)

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disablerunners	function
enable	function
filehandlerone	function
filehandlertwo	function
finalizer	function
initializer	function
iohandler	function
logcalls	function
logfiles	function
original	function
overload	function
possiblepath	function
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report	function
run	function
runhandler	function
setfilenamelogger	function
setlogger	function
setreporter	function
settrace	function
validfilename	function

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    F disable
    F enable
    F handler
categorytonumber data table
colors   data table
decomposehangul function
defaults   table
    N inter_char_half_shrink_factor
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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

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contains function
create   function
tolist   function
tonumber function
totable   function

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_DEBUG	boolean		S	content-description
_SETSIZE	number		S	content-disposition
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choose	function		S	content-id
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connect4	function		S	content-length
connect6	function		S	content-location
dns	table		S	content-md5
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	F gethostname		S	content-transfer-encoding
	F getnameinfo		S	content-type
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	S USER		S	final-log-id
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	F get		S	from
	F open		S	host
	F put		S	if-match
gettime	function		S	if-modified-since
headers	table		S	if-none-match
	T canonic		S	if-range
	S accept		S	if-unmodified-since
	S accept-charset		S	in-reply-to
	S accept-encoding		S	keywords
	S accept-language		S	last-attempt-date
	S accept-ranges		S	last-modified
	S action		S	location
	S age		S	max-forwards
	S allow		S	message-id
	S alternate-recipient		S	mime-version
	S arrival-date		S	original-envelope-id
	S authorization		S	original-recipient
	S bcc		S	pragma
	S cache-control		S	proxy-authenticate
	S cc		S	proxy-authorization
	S comments		S	range

S received		**sinkt**	table
S received-from-mta		F close-when-done	
S references		F default	
S referer		F http-chunked	
S remote-mta		F keep-open	
S reply-to		**skip**	function
S reporting-mta		**sleep**	function
S resent-bcc		**smtp**	table
S resent-cc		S DOMAIN	
S resent-date		N PORT	
S resent-from		S SERVER	
S resent-message-id		N TIMEOUT	
S resent-reply-to		S ZONE	
S resent-sender		F message	
S resent-to		F open	
S retry-after		F send	
S return-path		**source**	function
S sender		**sourcet**	table
S server		F by-length	
S smtp-remote-recipient		F default	
S status		F http-chunked	
S subject		F until-closed	
S te		**tcp**	function
S to		**tcp6**	function
S trailer		**tp**	table
S transfer-encoding		N TIMEOUT	
S upgrade		F connect	
S user-agent		**try**	function
S vary		**udp**	function
S via		**udp6**	function
S warning		**url**	table
S will-retry-until		F absolute	
S www-authenticate		F build	
S x-mailer		F build_path	
http	table	F escape	
N PORT		F parse	
N TIMEOUT		F parse_path	
S USERAGENT		F unescape	
F open			
F request			
newtry	function		
protect	function		
select	function		
sink	function		

sorters (context)

basicsorter	function
comparers	table

   F basic

constants	table

   S defaultdigits

   S defaultlanguage

   S defaultmethod

   N digitsmaximum

   N digitsoffset

   N ignoredoffset

   N replacementoffset

   T validmethods

     B ch

     B mc

     B mm

     B pc

     B pm

     B uc

     B zc

     B zm

definitions	data table
firstofsplit	function
setlanguage	function
sort	function
splitters	table

   F utf

strip	function
tracers	data table
update	function

statistics (context)

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

status (basic tex)

list function

storage (context)

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

streams (context)

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

string (basic lua)

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

structures (context)

atlocation   function
blocks   table
    D collected
    F define
    F print
    F save
    F select
    F setstate
    D states
    D tobesaved
bookmarks   table
    T extras
      F get
      F mergesections
      F register
      F reset
      F tosections
    F finalize
    F flatten
    F installhandler
    F merge
    S method
    F overload
    F place
    F register
    F setup
counters   table
    F add
    F analyze
    F check
    D collected
    F compact
    F converted
    F currentvalue
    D data
    F define
    F first
    F get
    F last
    F next
    F prev

    F previous
    F raw
    F record
    F reset
    F restart
    F restore
    F save
    F set
    F setlevel
    F setoffset
    F setown
    F setstate
    F setvalue
    T specials
      F userpage
    F subs
    D tobesaved
    F value
currentsectionnumber   function
descriptions   table
documents   table
    D data
    F initialize
    F preset
    F reset
floats   table
formulas   table
    F current
    F simplify
    F store
helpers   table
    F analyze
    F formulanumber
    F merged
    F page
    F prefix
    F prefixlastpage
    F prefixpage
    F simplify
    F title
    F touserdata

inserts	table		T result
D data			D sectionblocks
F define			F sectionnumber
F getdata			F size
F getlocation			F title
F getname			D tobesaved
F getnumber			F userdata
F setlocation			F uservalue
F setup			

marks table

			D data
D stored			F define
itemgroups	table		F exists
lists	table		F fetch
F addto			F fetchallmarks
F analyze			F fetched
B autoreorder			F fetchonemark
D cached			F fetchtwomarks
D collected			F get
F discard			F number
F enhance			F relate
T enhancers			F reset
F filter			F set
F formulanumber			F show
F getresult			F synchronize
F groupindex			F title
F hasnumberdata			T tracers
F haspagedata			F showtable

notes table

F hastitledata			F checkpagechange
F iscached			F define
D kinds			F doifonsamepageasprevious
F label			F get
F location			F getdeltapage
D names			F getn
F number			F getnumberpage
D ordered			F getstate
F page			F getsymbolpage
F popnesting			F hascontent
F prefix			F internal
F prefixednumber			F internalid
F prefixedpage			F listindex
F process			F ordered
D pushed			F postpone
F pushnesting			F resetpostponed
F realpage			
F reordered			

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

F	splitreference	F	userdata
F	synchronizepage	**sections**	table
T	testrunners	F	autodepth
F	inner	F	cct
F	special	D	collected
F	special operation	F	current
F	special operation with arguments	F	currentblock
T	testspecials	F	currentid
F	deltapage	F	currentlevel
F	i	F	currentsectionindex
F	internal	F	depthnumber
F	page	F	finddata
F	realpage	F	findnumber
F	section	F	fullnumber
F	userpage	F	getcurrentlevel
D	tobereferred	F	getlevel
D	tobesaved	F	getnumber
T	urls	F	internalreference
T	data	D	levelmap
F	define	D	levels
F	get	F	load
D	usedinternals	F	matchingtilldepth
D	usedviews	F	numberatdepth
F	valid	F	numbers
F	whatfrom	F	popblock
registers	table	F	prefixedconverted
F	analyze	F	pushblock
D	collected	F	register
F	compare	D	registered
F	define	F	reportstructure
F	enhance	F	save
F	extend	T	sectionblockdata
F	filter	T	bodypart
F	filtercollected	S	bookmark
F	finalize	F	set
F	flush	F	setblock
F	get	F	setchecker
F	prepare	F	setentry
F	process	F	setlevel
F	setmethod	F	setnumber
F	sort	F	structuredata
F	store	F	title
D	tobesaved	D	tobesaved
F	unique	F	typesetnumber

F	userdata	
B	verbose	
sets		**table**
F	define	
F	get	
F	getall	
D	setlist	
specials		**table**
D	collected	
F	retrieve	
F	store	
D	tobesaved	
synonyms		**table**
F	analyzed	
D	collected	
F	compare	
F	define	
F	filter	
F	finalize	
F	flush	
F	meaning	
F	prepare	
F	process	
F	register	
F	registerused	
F	sort	
F	synonym	
D	tobesaved	
tags		**table**
F	getid	
F	handler	
D	labels	
F	last	
F	lastinchain	
F	locatedtag	
T	patterns	
U	splitter	
D	properties	
F	registermetadata	
F	restart	
F	setaspect	
F	setattributehash	
F	setcombination	
F	setdescription	

F	setdescriptionsymbol
F	setfigure
F	sethighlight
F	setitemgroup
F	setlist
F	setproperty
F	setregister
F	setsorting
F	setsynonym
F	settablecell
F	settabulatecell
F	setuserproperties
D	specifications
F	start
F	stop
D	taglist

table (basic lua)

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

tex (basic tex)

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

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

texconfig (basic tex)

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

texio (basic tex)

write   function
write_nl function

token (basic tex)

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

tokens (context)

bgroup   table
collectors table

    T data

    F defaultwords

    F dowithwords

    F flush

    F handle

    F install

    F register

    T registered

    T remapper

      F convert

      T data

      F store

    F show

    T show_methods

      F a

      F b

      F c

    F showtoken

    F test

    F trace

egroup   table
hbox   table
letter   function
letters   function
other   function
vbox   table
vtop   table

tracers (context)

count	function
cs	function
dimen	function
knownlist	function
lists	table
	T context
	T internals
	T scratch
name	function
primitive	function
printerror	function
showlines	function
strings	table
	S undefined
toks	function
type	function

trackers (context)

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

typesetters (context)

alignments   table
- F handler
- F set

breakpoints   table
- F define
- F handler
- D mapping
- T methods
- T numbers
- F set
- F setreplacement

cases   table
- T actions
- F handler
- F register
- F set

characteralign table
- F handler
- F resetcharacteralign
- F setcharacteralign

characters   table
- F handler
- F replacenbsp
- F replacenbspaces

checkers   table
- F handler
- F reset
- F set

cleaners   table
- F handler
- F set

digits   table
- T actions
- F handler
- F set

directions   table
- F getfences
- F getglobal
- F getmethod
- F handler
- T handlers

- F installhandler
- F processmath
- F set
- F setcolor
- F setmath
- F tomode

firstlines   table
- T actions
  - F default
  - F line
  - F word
- F handler
- F set

initials   table
- T actions
  - F default
- F handler
- F set

injectors   table
- F check
- T list
- F mark
- F reset
- F set
- F show

italics   table
- F forcevariant
- F handler
- F reset
- F set

kerns   table
- D factors
- F handler
- F keepligature
- B keeptogether
- D mapping
- F set

manipulators   table
- F apply
- F applyspecification
- T methods

F Word	F construct
F Words	F create
F abbreviatedjournal	F finish_row
F expandedjournal	F flush
F lowercase	F initialize_construct
F stripperiod	F initialize_reflow_height
F uppercase	F initialize_reflow_width
T patterns	F next_row
U list	F reflow_height
U pair	F reflow_width
F splitspecification	F set_construct
margins table	F set_reflow_height
F finalhandler	F set_reflow_width
F globalhandler	
F ha	
F localhandler	
F save	

marksuspects   function

processors   table

   F apply

   F register

   F reset

   F split

   F startapply

   F stopapply

   F stripped

   F tostring

showsuspects   function

spacings   table

   F define

   F handler

   D mapping

   T numbers

     T frenchpunctuation

      T characters

      S name

      N number

   F reset

   F set

   F setup

wrappers   table

   F handler

xtables   table

   F cleanup

unicode (extra lua)

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

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

latin1   table
- F byte
- F char
- F dump
- F find
- F format
- F gfind
- F gmatch
- F gsub

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

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

F utf16_to_utf8_be
F utf16_to_utf8_be_t
F utf16_to_utf8_le
F utf16_to_utf8_le_t
F utf16_to_utf8_t
F utf32_to_utf8_be
F utf32_to_utf8_be_t
F utf32_to_utf8_le
F utf32_to_utf8_le_t
F utf32_to_utf8_t
F utf8_to_utf16
F utf8_to_utf16_be
F utf8_to_utf16_le
F utf8_to_utf8_t
F values
F xstring

url (context)

addscheme	function
barepath	function
construct	function
escape	function
filename	function
hashed	function
hasscheme	function
query	function
split	function
toquery	function
unescapeget	function

utilities (context)

debugger   table
- F disable
- F enable
- F savestats
- F showstats
- F showtraceback

formatters   table
- F formatcolumns
- F list
- F stripzeros

garbagecollector   table
- F check
- N criterium
- B enabled

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

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

    N version

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

report   function

sequencers   table
- F appendaction
- F appendgroup

F	compile	U	prune and collapse
F	disableaction	U	prune and no empty
F	disablegroup	U	retain
F	enableaction	U	retain and collapse
F	enablegroup	U	retain and no empty
D	functions	F	striplines
F	localize	F	striplong
F	new	F	tabtospace
F	nodeprocessor	T	tracers

setters   table
- 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
- T striplinepatterns
  - U collapse
  - U prune

tables   table
- F accesstable
- F definedtable
- F definetable
- F encapsulate
- F insertaftervalue
- F insertbeforevalue
- F migratetable
- F removevalue
- F replacevalue

templates   table
- F load
- F replace
- F replacer
- F resolve

vf (context)

char	function
down	function
fontid	function
image	function
node	function
nop	function
pop	function
push	function
right	function
rule	function
special	function

visualizers (context)

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

xml (context)

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

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

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

zip (extra lua)

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

zlib (extra lua)

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