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
gsubfeatures 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 objects 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 tokens tracers
trackers typesetters unicode url userdata
utilities vf visualizers xml zip zlib

ConTeXt MkIV

global (alias: _G)

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

mathematics	table	**setinspector**	function
mbox	table	**setmetatable**	function
md5	table	**socket**	table
metapost	table	**sorters**	table
mime	table	**statistics**	table
module	function	**status**	table
moduledata	table	**storage**	table
modules	table	**streams**	table
mp	table	**string**	table
mplib	table	**structures**	table
newproxy	function	**swiglib**	function
next	function	**table**	table
noads	table	**tex**	table
node	table	**texconfig**	table
nodes	table	**texio**	table
number	table	**thirddata**	table
objects	table	**toboolean**	function
oldtoken	number	**tokens**	table
optionalrequire	function	**tonumber**	function
os	table	**tostring**	function
package	table	**tracers**	table
pagebuilders	table	**trackers**	table
pairs	function	**type**	function
parametersets	table	**typesetters**	table
pcall	function	**unicode**	table
pdf	table	**unpack**	function
pdfscanner	table	**url**	table
physics	table	**userdata**	table
print	function	**utf**	table
profiler	table	**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		
resolvestoredfunction	function		
sandbox	table		
scripts	table		
select	function		
set	table		
setfenv	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 getpagecolormodel
- F gray
- F graytohsv
- F handler
- 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
- F setpagecolormodel
- 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		F	definedlayoutcomponent
N	attribute		F	enable
D	data		F	forcesupport
F	enable		F	handler
F	handler		B	hasorder
F	register		D	listwise
D	registered		F	register
F	set		D	registered
numbers	data table		F	resolve_begin
ofnode	function		F	resolve_end
private	function		F	resolve_reset
public	function		F	resolve_step
restore	function		D	scopes
save	function		F	setfeatures
showcurrent	function		F	start
states	table		F	stop
F	disabletriggering		B	supported
F	enabletriggering		D	values
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			
F	cleanup			
D	data			
F	define			

backends (context)

codeinjections table
    F boxresourcedimensions
    F registerboxresource
    F restoreboxresource
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
tonodes	function
tovpack	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
undent	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 hpack
    - 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

profiling table
- F add
- F distance
- F fixedprofile
- F get
- F list
- F pagehandler
- F profilebox
- F set

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	**lhash**	data table
adobename	function	**linebreaks**	table
bidi	data table	S ai	
blockrange	function	S al	
blocks	data table	S b2	
casemap	table	S ba	
categories	data table	S bb	
category	function	S bk	
categorytags	data table	S cb	
collapsed	data table	S cj	
combined	data table	S cl	
contextname	function	S cm	
csletters	data table	S cp	
data	data table	S cr	
decomposed	data table	S ex	
description	function	S gl	
descriptions	data table	S h2	
detailtags	data table	S h3	
directions	table	S hl	
enccodes	data table	S hy	
entities	data table	S id	
fallbacks	data table	S in	
filters	data table	S is	
fractions	table	S jl	
fromnumber	function	S jt	
fschars	data table	S jv	
fscodes	data table	S lf	
getrange	function	S nl	
graphemes	data table	S ns	
hangul	data table	S nu	
initialize	function	S op	
is_character	data table	S po	
is_command	data table	S pr	
is_letter	data table	S qu	
is_mark	data table	S ri	
is_punctuation	data table	S sa	
is_spacing	data table	S sg	
lcchars	data table	S sp	
lccode	function	S sy	
lccodes	data table	S wj	
lettered	function	S xx	

S zw

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

　　T char

　　T compat

subscripts	table
superscripts	table
synonyms	data table
tex	table

　　D accentmapping

　　D commandmapping

　　F defineaccents

　　F safechar

　　F toutf

　　F toutfpattern

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

chemistry (context)

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

coroutine (basic lua)

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

ctxrunner (context)

load   function
preparedfile 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
done	table
enable	function
list	function
name	string
register	function
report	function
reset	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
setcommandline	function
setdefaultargument	function
setenvironments	function
setfilename	function
setfilenames	function
setmodes	function
setmodules	function
variables	data table

environment (context)

argument	function	**texfile**	function
arguments	data table	**texmfos**	string
basicengines	data table	**texos**	string
currentrun	number	**texroot**	string
default_texmfcnf	string	**truefilename**	function
definefilefallback	function	**useluamodule**	function
definefilesynonym	function	**usemodules**	function
engineflags	data table	**validengines**	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		
loadexamodes	function		
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		

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
openMemStream	function
type	function

experiments (context)

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

figures (context)

applyratio	function	F totable	
badname	function	F types	
bases	data table	F write	
bitmapimage	function	**include**	function
boxnumber	number	**includers**	data table
cachepaths	data table	**initialize**	function
check	function	**loaded**	data table
checkers	data table	**localpaths**	data table
converters	data table	**magics**	data table
current	function	**mergegoodies**	function
defaultdepth	number	**nofprocessed**	number
defaultheight	number	**order**	data table
defaultsearch	boolean	**paths**	data table
defaultwidth	number	**patterns**	data table
done	function	**pop**	function
dummy	function	**preferquality**	boolean
existers	data table	**programs**	data table
exists	function	**push**	function
formats	data table	**registerpattern**	function
found	data table	**registerresource**	function
get	function	**registersuffix**	function
getrealpage	function	**resources**	data table
guess	function	**scale**	function
hash	function	**set**	function
identifiers	data table	**setlookups**	function
identify	function	**setorder**	function
images	table	**setpaths**	function
F boxes		**suffixes**	data table
F check		**used**	data table
F checksize			
F clone			
F copy			
F immediatewrite			
F keys			
F new			
F node			
F ofindex			
F package			
F print			
F scan			
F serialize			

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
hasstacked	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	overloaded 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
- F placeholder

cid   table
- F getmap
- F loadfile

collections   table
- F checkenabled
- F clonevector
- F define
- T definitions
- F found
- 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
- F currentfonthasfeature
- 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 xheight	
S height			T properties	
S width			S autoitalicamount	
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	
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N Vecyrillic
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N dalet
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N dalethatafpatah
N dalethatafpatahhebrew
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N dalethebrew
N dalethiriq
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N daletholam
N daletholamhebrew
N daletpatah
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N daletqamats
N daletqamatshebrew
N daletqubuts
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N daletsegol
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N eightarabic
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N etnahtafoukhhebrew
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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

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N hatafpatah

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N ilde

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N integraltop

N kaf

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N kashidaautoarabic

N kashidaautonosidebearingarabic

N kcedilla

N lamed

N lameddagesh

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N lamedholamdagesh

N lamedholamdageshhebrew

N laminitialarabic

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N lcedilla

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N mahapakhhebrew

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N qamats27                             N resh
N qamats29                             N reshhatafpatah
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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
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N qofsegol                             N segolhebrew
N qofsegolhebrew                       N segolnarrowhebrew
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N shaddaarabic	N vavholam
N sheqel	N yerahbenyomohebrew
N sheva	N yod
N sheva115	N yoddagesh
N sheva15	N zayin
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  F readcardinal2

  F readcardinal3

  F readcardinal4

  F readchar

  F readfixed4

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F	splitfontpattern		F	afm
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  T *
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  T *
   B *

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    F storepreamble

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F Romannumerals
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F abjadnumerals
F addcounter
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F btxcurrentsurnames
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F btxdetail
F btxdirect
F btxdoif
F btxdoifelse
F btxdoifelsecombiinlist
F btxdoifelsesameasprevious
F btxdoifelseuservariable
F btxdoifnot
F btxexpandedjournal
F btxfetchlistentries
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F btxflushlistcombi
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F countervalue
F counttwopassdata
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F currentdate
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F currentreferenceorder		F definereference	
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F datasetvariable		F definerule	
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F decrementcounter		F defineshift	
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F decrementsubcounter		F definespotcolorglobal	
F defineaccents		F definestructureblock	
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F definebreakpoint		F definetransparency	
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F definefield		F disabledirectives	
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F doifelseinelement	F doifnotsame
F doifelseinputfile	F doifposition
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F doifelseleapyear	F doreshapeframedbox
F doifelselisthasentry	F dosaveposition
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F doifelsevisualizer	F enabletransparency
F doiffieldsetelse	F enableutf
F doifinset	F enhancelinkedlist
F doifnotcommon	F enhancelist
F doifnotcounter	F enhancereference
F doifnotecontent	F enhanceregister

F eposcolumn
F eposcolumnregistered
F erasebuffer
F execute
F expandcurrentreference
F exportformdata
F exportreferences
F extendregister
F extensiblecode
F featureattribute
F featurelist
F feedback
F fetchallmarks
F fetchmultipar
F fetchmultishape
F fetchonemark
F fetchposboxes
F fetchtwomarks
F figure_check
F figure_done
F figure_dummy
F figure_identify
F figure_include
F figure_mergegoodies
F figure_pop
F figure_push
F figure_reset
F figure_scale
F figurefilename
F figurefilepath
F figurefiletype
F figurerequest
F figuresetdimensions
F figurestatus
F figureused
F filterdefaultreference
F filterreference
F finalizebox
F findtwopassdata
F finishexport
F firstcountervalue
F firstinset
F firstsubcountervalue
F flushfloat

F flushlabeledfloat
F flushnotes
F flushpageinjectionsafter
F flushpageinjectionsbefore
F flushpostponedblocks
F flushpostponednotes
F flushstream
F flushstreamcopy
F fontchar
F fontcharbyindex
F fontcollectionclone
F fontcollectiondefine
F fontcollectionprepare
F fontcollectionregister
F fontcollectionreport
F fontcollectionreset
F fontlookupgetkey
F fontlookupgetkeyofindex
F fontlookupinitialize
F fontlookupnoffound
F forceendjob
F forcequitjob
F formatcolor
F formatgray
F from
F getbidimode
F getbodyfontsizes
F getbuffer
F getbufferctxlua
F getbuffermkvi
F getcheckedinterfaceparameters
F getcurrentprefixspec
F getcurrentreferencemetadata
F getdefaultfieldvalue
F getdocumentargument
F getdocumentfilename
F getelementtag
F getfieldcategory
F getfile
F getfirstcharacter
F getfirsttwopassdata
F getfloatvariable
F getfullstructurenumber
F getinternallistreference

F getlasttwopassdata
F getmarking
F getmathdomain
F getmathitalics
F getmessage
F getmpextensions
F getmprandomnumber
F getnaturaldimensions
F getnotestate
F getobjectdimensions
F getobjectreference
F getobjectreferencepage
F getprivatechar
F getprogram
F getrandomdimen
F getrandomfloat
F getrandomnumber
F getrandomseed
F getreadfilename
F getsomefullstructurenumber
F getsomestructurenumber
F getspecificstructuretitle
F getstructurelevel
F getstructurenumber
F getsubstring
F gettexbuffer
F gettwopassdata
F gettwopassdatalist
F geturl
F getvisual
F hboxovbox
F helpaction
F helpreference
F hexstringtonumber
F horizontalcode
F hour
F hyphenatedlist
F hyphenatedurl
F immediatemessage
F incrementcounter
F incrementedcounter
F incrementsubcounter
F initializejob
F initializemathdomain

F initializemathitalics
F initializestream
F initializetexdirectives
F initializetextrackers
F injectcurrentreference
F injectcurrentreferencehtdp
F injectreference
F inlinechemical
F inputfilebarename
F inputfilename
F inputfilerealsuffix
F inputfilesuffix
F insertattachment
F insertcomment
F insertfield
F insertionnumber
F insertrenderingwindow
F installedlanguages
F installtexdirective
F installtextracker
F jobfilename
F jobfilesuffix
F languagenumber
F lastcountervalue
F lastsubcountervalue
F lchexnumber
F lchexnumbers
F leapyear
F linenumbersstageone
F linenumbersstagetwo
F listgroupindex
F listlabel
F listlocation
F listnamespaces
F listprefixednumber
F listprefixedpage
F listrealpage
F listsize
F listtitle
F listuserdata
F loadexamodes
F loadfontgoodies
F loadluamodule
F loadmapfile

F loadmapline	F molecule
F loadspellchecklist	F month
F loadtypescriptfile	F monthmnem
F loadvisualizer	F monthname
F locatefilepath	F mpcolor
F locfilename	F mpflushliteral
F lower	F mpflushreset
F lpdf_adddocumentcolorspace	F mpgettext
F lpdf_adddocumentextgstate	F mpgraphic
F lpdf_adddocumentpattern	F mpoptions
F lpdf_adddocumentshade	F mprunset
F lpdf_addtocatalog	F mpruntab
F lpdf_addtoinfo	F mprunvar
F lpdf_addtonames	F mpsetclippath
F lpdf_addtopageattributes	F mpsetoutercolor
F lpdf_addtopageresources	F mpsetsxsy
F lpdf_addtopagesattributes	F mpsettext
F lpdf_collectedresources	F mptexget
F lpdf_color	F mptexreset
F luascript	F mptexset
F luathread	F mptexsetfrombuffer
F lxmlid	F namedstructureuservariable
F markcontent	F namedstructurevariable
F markingnumber	F naturalwd
F markingtitle	F nbfs
F markinjector	F nextcountervalue
F markregionbox	F nextparallel
F markregionboxcorrected	F nextsubcountervalue
F markregionboxtagged	F nofdays
F markvisualfonts	F nofstackedfloats
F mathfraction	F notedeltapage
F mathrenderset	F notelistindex
F message	F notenumberpage
F metapostescaped	F noteprefixednumber
F metapostformatted	F notesymbolpage
F metapostgraphformat	F notetitle
F minute	F ntimes
F mixcleanup	F number
F mixfinalize	F numbers
F mixflushlist	F octnumber
F mixflushrest	F octstringtonumber
F mixgetsplit	F operatingsystem
F mixsetsplit	F ordinal
F mixstate	F outputfilename

F overloadbookmark
F overloaderror
F pagestaterealpage
F parpos
F pdfrotation
F pdfstartmatrix
F pdfstartmirroring
F pdfstartrotation
F pdfstartscaling
F pdfstopmatrix
F pdfstopmirroring
F pdfstoprotation
F pdfstopscaling
F percentageof
F pgfxcolorspec
F pickupbuffer
F pickupmarkedcontent
F pickuppunctuation
F placeparallel
F popfloat
F pophyphenation
F popitaliccorrection
F poplist
F poppath
F poprandomseed
F popreferenceprefix
F popregime
F popsectionblock
F postponenotes
F prefixedconverted
F presetsymbollist
F presettabulate
F prevcountervalue
F previoussubcountervalue
F processbodyfontsizes
F processbuffer
F processcolorcomponents
F processedfile
F processedfiles
F processfile
F processfilemany
F processfilenone
F processfileonce
F processjob

F processlist
F processregister
F processsplit
F processsynonyms
F profilebox
F purefontname
F pushfloat
F pushhyphenation
F pushitaliccorrection
F pushlist
F pushpath
F pushrandomseed
F pushreferenceprefix
F pushregime
F pushsectionblock
F pushstream
F rawcharacter
F rawcountervalue
F rawdate
F rawsubcountervalue
F referencepagedetail
F referencepagestate
F referencerealpage
F registerattachment
F registerbackendsymbol
F registerbodyfontsize
F registerbookmark
F registerbuttons
F registercolorintent
F registeredviewerlayer
F registerfigurepattern
F registerfiguresuffix
F registerhelp
F registerhyphenationexception
F registerhyphenationpattern
F registeritemgroup
F registerlanguagefeatures
F registerlinenumbering
F registermaintextcolor
F registermpyfile
F registernamedlua
F registernamespace
F registerobject
F registerpostponedblock

F registerreferencedobject	F restoreobject
F registerrendering	F reuserandomseed
F registersection	F revivefeature
F registershownsynonym	F romannumerals
F registerstructureprocessor	F rounded
F registersynonym	F runbuffer
F registerunit	F runcontextjob
F registerusedsynonym	F safechar
F registeruserdata	F savebuffer
F relatemarking	F savecounter
F renderingvar	F savecurrentattributes
F replacefeature	F savedlistnumber
F replacepospxywhd	F savedlistprefixednumber
F reportstructure	F savedlisttitle
F resavefloat	F savefloat
F resetcharacteralign	F savemargindata
F resetcounter	F savenote
F reseteffect	F savepagedata
F resetfeature	F savepageinjections
F resetfontfeature	F saveparallel
F resetfontsolution	F savespecificfloat
F resetinjector	F savestructureblock
F resetitaliccorrection	F savetaggedtwopassdata
F resetmapfiles	F savetwopassdata
F resetmarking	F savevariable
F resetmathattributes	F second
F resetmathitalics	F selectstructureblock
F resetnullfont	F setactivecatcodes
F resetparallel	F setbreakpoints
F resetpath	F setcharacteralign
F resetprevdepth	F setcharactercasing
F resetreference	F setcharactercleaning
F resetscript	F setcharacterkerning
F resetshownsynonyms	F setcharacterspacing
F resetstructureprocessor	F setcharacterstripping
F resetsubcounter	F setclosedocumentaction
F resettimer	F setclosepageaction
F resettrackers	F setcolormodel
F resetusedsynonyms	F setcounter
F restartcounter	F setdataset
F restartsubcounter	F setdigitsmanipulation
F restorecounter	F setdirection
F restorecurrentattributes	F setdocumentargument
F restorenote	F setdocumentcommandline

F setdocumentctxfile	F setmathitalics
F setdocumentdefaultargument	F setmathstyle
F setdocumentenvironments	F setmpextensions
F setdocumentfilename	F setnegative
F setdocumentfilenames	F setnextinternalreference
F setdocumentmodes	F setnextreferenceorder
F setdocumentmodules	F setnotestate
F seteffect	F setnotesymbolpage
F setelementuserproperties	F setopendocumentaction
F setfieldcalculationset	F setopenpageaction
F setfigurelookuporder	F setowncounter
F setfigurepaths	F setownsubcounter
F setfirstline	F setpagecolormodel
F setfontfeature	F setpagestate
F setfontofid	F setpagestaterealpageno
F setfontsolution	F setpagetransition
F setformat	F setparbuilder
F setformsmethod	F setprofile
F sethyphenatedurlcharacters	F setrandomseed
F sethyphenationfeatures	F setrealign
F sethyphenationmethod	F setrealspaces
F setinitial	F setreferencearguments
F setinitialsectionblock	F setreferenceattribute
F setinjector	F setreferenceoperation
F setinnerreferencemethod	F setregionbox
F setinsertionlocation	F setregionboxtagged
F setinterfaceconstant	F setregistermethod
F setinterfaceelement	F setreplacements
F setinterfacemessage	F setscript
F setinterfacemessages	F setsectionblock
F setinterfacevariable	F setsectionentry
F setinternalreference	F setstructureblockstate
F setitaliccorrection	F setstructurelevel
F setjavascriptpreamble	F setstructurenumber
F setjobcomment	F setsubcounter
F setlanguageexceptions	F settagaspect
F setlanguagesynonym	F settagcombination
F setlettercatcodes	F settagdelimitedsymbol
F setmarking	F settagfigure
F setmathalphabet	F settaggedmetadata
F setmathalternate	F settaghighlight
F setmathattribute	F settagitem
F setmathdirection	F settagitemgroup
F setmathdomain	F settaglist

F settagnotation

F settagnotationsymbol

F settagproperty

F settagproperty_b

F settagproperty_n

F settagregister

F settagsorting

F settagsubsentencesymbol

F settagsynonym

F settagtablecell

F settagtabulatecell

F setupbookmarks

F setupcanvas

F setupcharacterspacing

F setupexport

F setupfontexpansion

F setupfontprotrusion

F setupidentity

F setupinsertion

F setupitaliccorrection

F setuplinenumbering

F setuserinterface

F setvalidinterfacekeys

F setvisual

F setvisualfont

F setvisuallayer

F setxmpfile

F showassignerror

F showattributes

F showcounter

F showdebuginfo

F showdirectives

F showdiscretionaries

F showexperiments

F showhyphenatedinlist

F showhyphenationtrace

F showinjector

F showjustification

F showlogcategories

F showmessage

F showtrackers

F sin

F sind

F splitfilename

F spotcolorname

F spotcolorparent

F spotcolorvalue

F startactualtext

F startchemical

F startcolorset

F startcomponent

F startenvironment

F startfontsolution

F startparbuilder

F startproduct

F startproject

F startregime

F startsectionlevel

F startstream

F starttag

F starttag_c

F starttag_d

F starttag_u

F starttext

F startviewerlayer

F stopactualtext

F stopchemical

F stopcolorset

F stopcomponent

F stopenvironment

F stopfontsolution

F stopparbuilder

F stopproduct

F stopproject

F stopregime

F stopsectionlevel

F stopstream

F stoptag

F stoptext

F stopviewerlayer

F storejavascriptcode

F storejavascriptpreamble

F storenote

F storeregister

F strdp

F strhd

F strht

F strip

F structureautocatcodedget	F useMPlibrary
F structurecatcodedget	F useanyfile
F structuregivencatcodedget	F useanyfileonce
F structurenumber	F usecldfile
F structuretitle	F usecldfileonce
F structureuservariable	F usecolors
F structurevariable	F usecomponent
F strwd	F useenvironment
F subcountervalue	F usefigurebase
F subcountervalues	F usefile
F subsubcountervalues	F usejavascriptpreamble
F subtractfeature	F usejavascriptscripts
F synchronizemarking	F useluafile
F synchronizestream	F useluafileonce
F synonymmeaning	F useluamodule
F synonymname	F usemodules
F systemlog	F usepath
F tagmfunctionlab	F useproduct
F tagmfunctiontxt	F useproject
F tan	F usesubpath
F tand	F usesymbols
F texdefinition_one	F usetexfile
F texdefinition_two	F usetexfileonce
F textime	F useurl
F thefirstcharacter	F usexmlfile
F themaxboxwidth	F usexmlfileonce
F theremainingcharacters	F usezipfile
F tochar	F utfchar
F transparencycomponents	F utfmathclass
F triggerpagebuilder	F utfmathcommand
F truefilename	F utfmathcommandabove
F type	F utfmathcommandbelow
F typebuffer	F utfmathcommandfiller
F typefile	F utfmathfiller
F uchar	F utfmathstretch
F uchexnumber	F vboxlisttohbox
F uchexnumbers	F verbose
F undefinechemical	F vspacing
F unicodechar	F vspacingcollapse
F unihex	F vspacingcollapseonly
F unit_normal	F vspacingdefine
F unit_reverse	F vspacingsetamount
F unloadlanguage	F vspacingsnap
F upper	F way

F weekday

F weekdayname

F writestatus

F x_table_c

F x_table_cleanup

F x_table_construct

F x_table_create

F x_table_finish_row

F x_table_flush

F x_table_init_construct

F x_table_init_reflow_height

F x_table_init_reflow_height_option

F x_table_init_reflow_width

F x_table_init_reflow_width_option

F x_table_next_row

F x_table_next_row_option

F x_table_r

F x_table_reflow_height

F x_table_reflow_width

F x_table_set_construct

F x_table_set_reflow_height

F x_table_set_reflow_width

F xmladdindex

F xmlafterdocumentsetup

F xmlaftersetup

F xmlall

F xmlappenddocumentsetup

F xmlappendsetup

F xmlapplyselectors

F xmlatt

F xmlattdef

F xmlattribute

F xmlattributedef

F xmlbadinclusions

F xmlbeforedocumentsetup

F xmlbeforesetup

F xmlchainatt

F xmlchainattdef

F xmlchecknamespace

F xmlcommand

F xmlconcat

F xmlconcatrange

F xmlcontext

F xmlcount

F xmldelete

F xmldirect

F xmldirectives

F xmldirectivesafter

F xmldirectivesbefore

F xmldisplayverbatim

F xmldoif

F xmldoifelse

F xmldoifelseempty

F xmldoifelseselfempty

F xmldoifelsetext

F xmldoifempty

F xmldoifnot

F xmldoifnotempty

F xmldoifnotselfempty

F xmldoifnottext

F xmldoifselfempty

F xmldoiftext

F xmlelement

F xmlfilter

F xmlfilterlist

F xmlfirst

F xmlflush

F xmlflushcontext

F xmlflushdocumentsetups

F xmlflushlinewise

F xmlflushspacewise

F xmlfunction

F xmlgetindex

F xmlinclude

F xmlincludeoptions

F xmlinclusion

F xmlinclusions

F xmlindex

F xmlinfo

F xmlinlineverbatim

F xmlinstalldirective

F xmllast

F xmllastatt

F xmlload

F xmlloadbuffer

F xmlloaddata

F xmlloaddirectives

F xmlloadregistered

F	xmlmain	**setcount**	function
F	xmlmatch	**setdimen**	function
F	xmlname	**setelement**	function
F	xmlnamespace	**setformat**	function
F	xmlnonspace	**setmacro**	function
F	xmlpos	**setmessage**	function
F	xmlprependdocumentsetup	**setmessages**	function
F	xmlprependsetup	**settranslation**	function
F	xmlraw	**setuserinterface**	function
F	xmlrefatt	**setvalidkeys**	function
F	xmlregisterns	**setvariable**	function
F	xmlremapname	**showmessage**	function
F	xmlremapnamespace	**storedscanners**	data table
F	xmlremovedocumentsetup	**strings**	table
F	xmlremovesetup	**syntax**	data table
F	xmlresetdocumentsetups	**tolist**	function
F	xmlresetinjectors	**translations**	data table
F	xmlsave	**variables**	data table
F	xmlsetcommandtonone	**writestatus**	function
F	xmlsetcommandtotext		
F	xmlsetentity		
F	xmlsetinjectors		
F	xmlsetsetup		
F	xmlsnippet		
F	xmlstartraw		
F	xmlstarttiming		
F	xmlstopraw		
F	xmlstoptiming		
F	xmlstrip		
F	xmlstripanywhere		
F	xmlstripnolines		
F	xmlstripped		
F	xmlstrippednolines		
F	xmltag		
F	xmltexentity		
F	xmltext		
F	xmltobuffer		
F	xmltobufferverbose		
F	xmltofile		
F	xmltoparameters		
F	xmlverbatim		
F	xmlwithindex		
F	year		
setconstant	function		

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
version	string
version_num	number

job (context)

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

	F	parindent
	F	position
	F	r
	F	region
	F	replace
	F	rightskip
	F	set
	F	setall
	F	setdim
	F	setregionbox
	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
gethjcode	function
hyphenate	function
hyphenation	function
hyphenationmin	function
id	function
new	function
patterns	function
postexhyphenchar	function
posthyphenchar	function
preexhyphenchar	function
prehyphenchar	function
sethjcode	function

languages (context)

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

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	**finalizedocument**	function
adddocumentcolorspace	function	**finalizepage**	function
adddocumentextgstate	function	**finishtransparencycode**	function
adddocumentpattern	function	**flushobject**	function
adddocumentshade	function	**flushstreamfileobject**	function
addtocatalog	function	**flushstreamobject**	function
addtoinfo	function	**formats**	data table
addtonames	function	**frompdfdoc**	function
addtopageattributes	function	**fromsixteen**	function
addtopageresources	function	**gethpos**	function
addtopagesattributes	function	**getmatrix**	function
addxmpinfo	function	**getpos**	function
annotationspecification	function	**getvpos**	function
array	function	**graycode**	function
boolean	function	**hasmatrix**	function
border	function	**id**	function
checkedkey	function	**injectxmpinfo**	function
checkedvalue	function	**insertxmpinfo**	function
circularshade	function	**layerreference**	function
cmykcode	function	**limited**	function
collectedresources	function	**linearshade**	function
color	function	**nametree**	function
colorspace	function	**null**	function
colorspaceconstants	data table	**number**	function
colorspec	function	**pagedestinations**	data table
colorvalue	function	**pagereference**	function
colorvalues	function	**pagereferences**	data table
constant	function	**pdfcolor**	function
delayedobject	function	**pdftimestamp**	function
destinationspecification	function	**protectresources**	boolean
dictionary	function	**rectangle**	function
docstring	function	**reference**	function
epdf	table	**registerannotation**	function
F contenttotext		**registerdestination**	function
F expand		**registerdocumentfinalizer**	function
F expanded		**registerpagefinalizer**	function
F getpagecontent		**reserveobject**	function
F getstructure		**rgbcode**	function
F load		**rotationcm**	function
F unload		**shareobject**	function
escaped	function	**shareobjectreference**	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	**flush**	function
all	function	**flushlinewise**	function
applyfunction	function	**flushsetups**	function
applyselectors	function	**flushspacewise**	function
att	function	~~**get_id**~~	~~function~~
attribute	function	**getid**	function
badinclusions	function	**getindex**	function
chainattribute	function	**id**	function
checkindex	function	**idsplitter**	userdata
collected	function	**include**	function
command	function	**inclusion**	function
concat	function	**inclusions**	function
concatrange	function	**index**	function
content	function	**info**	function
context	function	**inlineverbatim**	function
convert	function	**installsetup**	function
count	function	**last**	function
delete	function	**lastatt**	function
direct	function	**load**	function
directives	table	**loadbuffer**	function
F after		**loaddata**	function
F before		**loaded**	table
F handle		**loadregistered**	function
F load		**main**	function
F setup		**match**	function
displayverbatim	function	**name**	function
doif	function	**namespace**	function
doifelse	function	**nonspace**	function
doifelseempty	function	**pos**	function
doifelsetext	function	**position**	function
doifempty	function	**raw**	function
doifnot	function	**rawroot**	function
doifnotempty	function	**refatt**	function
doifnottext	function	**register**	function
doiftext	function	**registerentity**	function
element	function	**removesetup**	function
elements	function	**resetcdata**	function
entities	data table	**resetsetups**	function
filter	function	**resolvedentity**	function
filterlist	function	**root**	function
first	function	**save**	function

serialize	function
setaction	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setescapedentities	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
tobuffer	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
ceiling	function
cos	function
cosd	function
cosh	function
deg	function
div	function
even	function
exp	function
floor	function
fmod	function
frexp	function
huge	number
initialseed	number
ldexp	function
log	function
log10	function
max	function
min	function
mod	function
modf	function
odd	function
pi	number
pow	function
rad	function
random	function
randomseed	function
round	function
setrandomseedi	function
sin	function
sind	function
sinh	function
sqrt	function
tan	function
tand	function
tanh	function

mathematics (context)

addfallbacks	function		**renderings**	table
alphabets	data table		D mappings	
alternatives	data table		D numbers	
big	function		D sets	
boldmap	data table		**renderset**	function
categories	table		**resetattributes**	function
D functions			**resetitalics**	function
charactersets	data table		**scaleparameters**	function
checkaccentbaseheight	function		**setalternate**	function
checkprivateparameters	function		**setdomain**	function
classes	data table		**setitalics**	function
codes	data table		**sets**	data table
define	function		**styles**	data table
dimensions	function		**syncboth**	function
domains	table		**syncname**	function
extensiblecode	function		**syncstyle**	function
extensibles	data table		**toname**	function
extrabase	number		**tostyle**	function
extras	table		**tweakaftercopyingfont**	function
F add			**tweakbeforecopyingfont**	function
F copy			**tweaks**	table
fallbacks	table		**utfmathaccent**	function
F apply			**utfmathclass**	function
F install			**utfmathcommand**	function
fallbackstyleattr	function		**utfmathfiller**	function
families	data table		**utfmathstretch**	function
gaps	data table			
getboth	function			
getdomain	function			
getitalics	function			
getstyle	function			
horizontalcode	function			
initializeparameters	function			
injectfallbacks	function			
makefont	function			
mapremap	data table			
overloaddimensions	function			
overloadparameters	function			
privatebase	number			
registerdomain	function			
remapalphabets	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
escaped	function	**makempy**	table
exectime	table	N nofconverted	
extensiondata	data table	F processgraphics	
filterclippath	function	F registerfile	
flush	function	**maketext**	function
flushers	table	**metafun**	table
T pdf		F interpolate	
F comment		F topath	
F flushfigure		**method**	number
F startfigure		**mptopdf**	table
F stopfigure		F convertmpstopdf	
F textfigure		N nofconverted	
flushliteral	function	**n**	number
flushnormalpath	function	**nvformat**	function
flushreset	function	**optimize**	boolean
fonts	table	**parse**	function
F define		**pdfliterals**	function
T flusher		**pluginactions**	function
F flushfigure		**process**	function
F startfigure		**processplugins**	function
F stopfigure		**processspecial**	function
N instances		**properties**	table
F process		**quickanddirty**	function
format	function	**reducetogray**	boolean
format_number	function	**reporterror**	function
format_string	function	**reset**	function
formatnumber	function	**resetlastlog**	function
getclippath	function	**resetplugins**	function
getextensions	function	**runscript**	function
getjobdata	function	**scripterror**	function
getstatistics	function	**setextensions**	function

setoutercolor	function
settext	function
showlog	boolean
svformat	function
tex	table

   F get

   F reset

   F set

   F setfrombuffer

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)

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

F string	
get_outline_text	function
graphformat	function
n	function
numeric	function
pair	function
path	function
print	function
quadruple	function
quoted	function
report	function
size	function
triplet	function
tt_dimensions	function
tt_initialize	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 alternates
- F autofences
- F classes
- F collapse
- F domains
- F families
- F italics
- F relocate
- F render
- F resize
- F showtree
- F tags
- F unscript
- F variants

process   function
processnested   function
processors   table
- T autofences
- T collapse
- F mlist_to_hlist
- T relocate
- T render
- T resize
- T unscript

processouter   function

node (basic tex)

copy	function		F is_direct
copy_list	function		F is_node
count	function		F kerning
current_attr	function		F last_node
dimensions	function		F length
direct	table		F ligaturing
F copy			F new
F copy_list			F protect_glyph
F count			F protect_glyphs
F current_attr			F protrusion_skippable
F dimensions			F remove
F do_ligature_n			F set_attribute
F effective_glue			F set_properties_mode
F end_of_math			F setboth
F first_glyph			F setbox
F flush_list			F setchar
F flush_node			F setdisc
F flush_properties_table			F setfield
F free			F setleader
F get_attribute			F setlink
F get_properties_table			F setlist
F getboth			F setnext
F getbox			F setprev
F getchar			F setproperty
F getdisc			F setsubtype
F getfield			F slide
F getfont			F tail
F getid			F todirect
F getleader			F tonode
F getlist			F tostring
F getnext			F traverse
F getprev			F traverse_char
F getproperty			F traverse_id
F getsubtype			F unprotect_glyphs
F has_attribute			F unset_attribute
F has_field			F usedlist
F has_glyph			F vpack
F hpack			F write
F insert_after		**do_ligature_n**	function
F insert_before		**effective_glue**	function
F is_char		**end_of_math**	function

family_font	function	**setfield**	function
fields	function	**setproperty**	function
first_glyph	function	**slide**	function
flush_list	function	**subtype**	function
flush_node	function	**subtypes**	function
flush_properties_table	function	**tail**	function
free	function	**tostring**	function
get_attribute	function	**traverse**	function
get_properties_table	function	**traverse_char**	function
getboth	function	**traverse_id**	function
getchar	function	**type**	function
getdisc	function	**types**	function
getfield	function	**unprotect_glyphs**	function
getfont	function	**unset_attribute**	function
getid	function	**usedlist**	function
getleader	function	**vpack**	function
getlist	function	**whatsits**	function
getnext	function	**write**	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_char	function		
is_node	function		
kerning	function		
last_node	function		
length	function		
ligaturing	function		
mlist_to_hlist	function		
new	function		
next	function		
prev	function		
protect_glyph	function		
protect_glyphs	function		
protrusion_skippable	function		
remove	function		
set_attribute	function		
set_properties_mode	function		

nodes (context)

accentcodes	data table	**free_spec**	function
aligned	function	**fullhpack**	function
append	function	**getattr**	function
astable	function	**getattribute**	function
basepoints	function	**getbox**	function
builders	table	**getchar**	function
F buildpage_filter		**getfield**	function
F vpack_filter		**getfont**	function
codes	data table	**getid**	function
concat	function	**getleader**	function
copy	function	**getlist**	function
copy_list	function	**getnext**	function
copy_spec	function	**getprev**	function
count	function	**getskip**	function
current_attr	function	**getsubtype**	function
delete	function	**gluecodes**	data table
destinations	table	**glyphcodes**	data table
N attribute		**glyphdir_is_equal**	data table
T done		**glyphdir_is_opposite**	data table
F handler		**glyphdir_is_orthogonal**	data table
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	
effective_glue	function	F cleanuppage	
end_of_math	function	F export	
fencecodes	data table	F finalize	
fields	function	F migrate	
fillcodes	data table	F protectglyphs	
first_glyph	function	F stripping	
firstcharacter	function	F unprotectglyphs	
firstcharinbox	function	**has_attribute**	function
firstdirinbox	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	**listablefields**	data table
F copy		**listcodes**	data table
F getligaindex		**listtoutf**	function
F handler		**load**	function
F installnewkern		**locate**	function
F keepcounts		**margincodes**	data table
F reset		**marginkerncodes**	data table
F resetcounts		**markers**	table
F setcursive		F get	
F setkern		**mathcodes**	data table
F setligaindex		**maxboxwidth**	function
F setmark		**mlist_to_hlist**	function
F setpair		**new**	function
insert_after	function	**noadcodes**	data table
insert_before	function	**nodecodes**	data table
insert_list_after	function	**nopts**	function
installattributehandler	function	**nuts**	table
is_direct	function	F append	
is_display_math	function	F concat	
is_mirrored	data table	F copy	
is_node	function	F copy_list	
is_nut	function	F copy_properties	
is_rotated	data table	F count	
kerncodes	data table	F current_attr	
kerning	function	F delete	
keys	table	F dimensions	
T whatsit		F do_ligature_n	
last_node	function	F effective_glue	
leadercodes	data table	F end_of_math	
leftmarginwidth	function	F first_glyph	
ligaturing	function	F firstcharacter	
lines	table	F firstcharinbox	
T boxed		F firstglyph	
F register		F flush_list	
F setup		F flush_node	
F stage_one		F free	
F stage_two		F fullhpack	
D data		F getattr	
F finalize		F getattribute	
F number		F getboth	
N scratchbox		F getbox	
link	function	F getchar	
linked	function	F getdisc	
list	function	F getfield	

```
F getfont                              F leftskip
F getid                                F lineskip
F getleader                            F negatedglue
F getlist                              F noad
F getnext                              F pdfannotation
F getprev                              F pdfdestination
F getprop                              F pdfdirect
F getskip                              F pdfliteral
F getsubtype                           F pdfrestore
F has_attribute                        F pdfsave
F has_field                            F pdfsetmatrix
F has_glyph                            F penalty
F hpack                                F register
F insert_after                        F rightmarginkern
F insert_before                       F rightskip
F insert_list_after                   F rule
F is_char                             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_glyph
  F fontkern                       F protect_glyphs
  F glue                           F protrusion_skippable
  F gluespec                       F rawprop
  F glyph                          F reference
  F hlist                          F remove
  F kern                           F repackhlist
  F latelua                        F replace
  F lateluafunction                F rightmarginwidth
  F leftmarginkern                 F set_attribute
```

F	setattr	F	vianodes
F	setattribute	F	vianuts
F	setattributes	F	vpack
F	setboth	F	writable_spec
F	setbox	F	write

packlist   function

F	setchar		
F	setdisc		

pardir_is_equal   data table

F	setfield
F	setleader

pardir_is_opposite   data table

F	setlink

pardir_is_parallel   data table

F	setlist

partextdir_is_equal   data table

F	setnext

penaltycodes   data table

F	setprev

plugindata   table

F	setprop	F	finalizer
F	setsubtype	F	initializer
F	setunsetattributes	S	name
F	setvisual	T	namespace
F	slide	N	attribute
F	somepenalty	D	data
F	somespace	F	enable
F	tail	F	handler
F	takebox	F	register
F	theprop	D	registered
F	tonode	D	values
F	tonodes	F	processor

points   function

pool   table

F	tonut	F	baselineskip
F	tosequence	F	cleanup
F	tostring	F	glyph
F	tracedslide	F	kern
F	traverse	F	latelua
F	traverse_char	F	latelluafunction
F	traverse_id	F	lineskip
T	typesetters	F	pdfdirect
F	tohbox	F	pdfliteral
F	tohpack	F	pdfrestore
F	tonodes	F	pdfsave
F	tovbox	F	pdfsetmatrix
F	tovpack	F	register
F	unprotect_glyphs	F	rule
F	unset_attribute	F	special
F	unsetattribute	F	usage
F	unsetattributes	F	usernumber
F	untracedslide		

prepend   function

F	usedlist

print	function		**setattributes**	function
processors	table		**setbox**	function
B enabled			**setfield**	function
F hpack_filter			**setunsetattributes**	function
F post_linebreak_filter			**shifts**	table
F pre_linebreak_filter			D data	
F tracer			F define	
processwords	function		F enable	
properties	table		F handler	
T actions			**show**	function
F delayed			**showboxes**	function
F fdelayed			**showcodes**	function
F immediate			**showlist**	function
F attach			**showsimplelist**	function
T data			**skipcodes**	data table
F delayed			**slide**	function
protect_glyph	function		**snapshots**	table
protect_glyphs	function		F getparameters	
protrusion_skippable	function		F getsamples	
pts	function		F resetsamples	
radicalcodes	data table		F takesample	
reference	function		**somepenalty**	function
references	table		**somespace**	function
N attribute			**stripdiscretionaries**	function
T done			**stripping**	table
F handler			T glyphs	
T stack			F set	
remove	function		**striprange**	function
repackhlist	function		**tail**	function
replace	function		**takebox**	function
report	function		**tasks**	table
rightmarginwidth	function		F actions	
rulecodes	data table		F appendaction	
rules	table		F disableaction	
D data			F disablegroup	
F define			F enableaction	
F enable			F enablegroup	
F handler			F freeze	
save	function		F freezegroup	
serialize	function		F new	
serializebox	function		F prependaction	
set_attribute	function		F removeaction	
setattr	function		F replaceaction	
setattribute	function		F restart	

F setaction		T nuts	
F showactions		F rule	
F table		F resetproperties	
textdir_is_equal	data table	F rule	
textdir_is_is	data table	F setlist	
textdir_is_opposite	data table	F setproperties	
textdir_is_parallel	data table	F start	
tobasepoints	function	T steppers	
tocentimeters	function	F check	
tociceros	function	F codes	
todidots	function	F features	
todimen	function	F font	
toinches	function	F glyphs	
tomillimeters	function	F message	
tonewciceros	function	F messages	
tonewdidots	function	F nofsteps	
tonode	function	F register	
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_char**	function
tracers	table	**traverse_id**	function
T characters		**typesetters**	table
F collect		F hbox	
F equal		F hpack	
F start		F tohbox	
F string		F tohpack	
F unicodes		F tonodes	
T colors		F tovbox	
F reset		F tovpack	
F set		F vpack	
F setlist		**unprotect_glyphs**	function
F fontchar		**unset_attribute**	function
T frequencies		**unsetattribute**	function
F register		**unsetattributes**	function
T pool		**usedlist**	function
T nodes		**vianodes**	function
F rule		**vianuts**	function

| **visualizebox** | function |
| **visualizers** | table |

   F box

   F handler

   F markfonts

   F setfont

   F setlayer

   F setvisual

vpack	function
whatcodes	data table
whatsitcodes	data table
whatsitters	table

   T getters

     T dimensions

     T width

   T setters

     T dimensions

     T width

| **writable_spec** | function |
| **write** | function |

number (context)

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

objects (context)

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

os (basic lua)

__getenv__	function		**type**	string
__setenv__	function		**uname**	function
binsuffix	string		**uuid**	function
binsuffixes	table		**validdate**	function
clock	function		**weekday**	function
converttime	function		**where**	function
date	function		**which**	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			
newline	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			

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)

fontname	function		**setdecimaldigits**	function
fontobjnum	function		**setinfo**	overloaded function
fontsize	function		**setmajorversion**	function
getcatalog	function		**setminorversion**	function
getcompresslevel	function		**setnames**	overloaded function
getdecimaldigits	function		**setobjcompresslevel**	function
gethpos	function		**setorigin**	function
getinfo	function		**setpageattributes**	overloaded function
getlastannot	function		**setpageresources**	overloaded function
getlastlink	function		**setpagesattributes**	overloaded function
getlastobj	function		**settrailer**	overloaded function
getmajorversion	function		**setxformattributes**	function
getmatrix	function		**setxformresources**	function
getminorversion	function		**xformname**	function
getnames	function			
getobjcompresslevel	function			
getpageattributes	function			
getpageresources	function			
getpagesattributes	function			
getpos	function			
getretval	function			
gettrailer	function			
getversion	function			
getvpos	function			
getxformattributes	function			
getxformresources	function			
hasmatrix	function			
immediateobj	function			
mapfile	function			
mapline	function			
maxobjnum	function			
newcolorstack	function			
obj	function			
objtype	function			
pageref	function			
print	function			
refobj	function			
registerannot	overloaded function			
reserveobj	function			
setcatalog	overloaded function			
setcompresslevel	function			

pdfscanner (context)

scan function

physics (context)

units table
    F registerunit
    D tables

profiler (extra lua)

pause   function
resume function
start   function
stop   function

publications (context)

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

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

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

F showfields

F showhashedauthors

F showtables

F showvariants

typesetters	table

F author

F string

usedataset	function
usedentries	function
writers	table

F author

F keyword

F pagenumber

F range

regimes (context)

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

resolvers (context)

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

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

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

sandbox (context)

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

scripts (context)

autofontfeature   table
    F disable
    F enable
    F handler
categorytonumber data table
colors   data table
decomposehangul function
defaults   table
    N inter_char_half_shrink_factor
    N inter_char_half_stretch_factor
    N inter_char_hangul_penalty
    N inter_char_quarter_shrink_factor
    N inter_char_quarter_stretch_factor
    N inter_char_shrink_factor
    N inter_char_stretch_factor
    N inter_word_stretch_factor
handlers   data table
hash   table
injectors   data table
installdataset function
installmethod   function
numbertocategory data table
numbertodataset data table
numbertohandler data table
reset   function
set   function
splitters   data table

set (context)

contains   function
create   function
tolist   function
tonumber   function
totable   function

socket (extra lua)

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

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

http   table

N PORT
N TIMEOUT
S USERAGENT
F open
F request

newtry   function
protect   function
select   function
sink   function

sinkt   table

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

skip   function
sleep   function
smtp   table

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

source   function
sourcet   table

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

tcp   function
tcp6   function
tp   table

N TIMEOUT
F connect

try   function
udp   function
udp6   function
url   table

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

sorters (context)

basicsorter   function
comparers   table
   F basic
constants   table
   S defaultdigits
   S defaultlanguage
   S defaultmethod
   N 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
packch   function
packuc   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
resetmessages function

storage (context)

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

streams (context)

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

string (basic lua)

autodouble	function	**sub**	function
autosingle	function	**tformat**	function
booleanstring	function	**toHEX**	function
byte	function	**toboolean**	function
bytepairs	function	**tobytes**	function
bytes	function	**tocontext**	function
char	function	**todec**	function
characterpairs	function	**todimen**	function
characters	function	**tohex**	function
checkedsplit	function	**tonodes**	function
collapsespaces	function	**topattern**	function
count	function	**totable**	function
dump	function	**toutf**	function
escapedpattern	function	**tracedchar**	function
explode	function	**tracedchars**	table
find	function	**unquote**	function
format	function	**unquoted**	function
formatter	function	**upper**	function
formatters	function	**utfcharacters**	function
fullstrip	function	**utfvalues**	function
gmatch	function	**valid**	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		
replacenewlines	function		
reverse	function		
split	function		
splitlines	function		
splitup	function		
strip	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
    F way
currentsectionnumber   function
descriptions   table
documents   table
    D data
    F initialize
    F preset
    F reset
floats   table
formulas   table
helpers   table
    F analyze
    F formulanumber
    F merged
    F page
    F prefix
    F prefixlastpage
    F prefixpage
    F simplify
    F title
    F touserdata
inserts   table
    D data

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

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

F	setreferencerealpage	
D	specials	
F	splitcomponent	
F	splitprefix	
F	splitreference	
F	synchronizepage	
T	testrunners	
F	inner	
F	special	
F	special operation	
F	special operation with arguments	
T	testspecials	
F	deltapage	
F	i	
F	internal	
F	page	
F	realpage	
F	section	
F	userpage	
D	tobereferred	
D	tobesaved	
D	tracedpages	
T	urls	
T	data	
F	define	
F	found	
F	get	
D	usedinternals	
D	usedviews	
F	valid	

registers   table

F	analyze
D	collected
F	compare
F	define
F	enhance
F	extend
F	filter
F	filtercollected
F	finalize
F	flush
F	get
F	prepare
F	process

F	setmethod
F	sort
F	store
D	tobesaved
F	unique
F	userdata

sections   table

F	autodepth
F	cct
D	collected
F	current
F	currentblock
F	currentid
F	currentlevel
F	currentsectionindex
F	depthnumber
F	finddata
F	findnumber
F	fullnumber
F	getcurrentlevel
F	getlevel
F	getnumber
F	internalreference
D	levelmap
D	levels
F	load
F	matchingtilldepth
F	numberatdepth
F	numbers
F	popblock
F	prefixedconverted
F	pushblock
F	register
D	registered
F	reportstructure
F	save
T	sectionblockdata
T	bodypart
S	bookmark
F	set
F	setblock
F	setchecker
F	setentry
F	setinitialblock

F	setlevel	D	labels
F	setnumber	F	last
F	structuredata	F	lastinchain
F	title	F	locatedtag
D	tobesaved	T	patterns
F	typesetnumber		U splitter
F	userdata	D	properties
B	verbose	F	registermetadata

sets	**table**	F	restart
F	define	F	setaspect
F	get	F	setattributehash
F	getall	F	setcombination
D	setlist	F	setfigure

specials	**table**	F	sethighlight
D	collected	F	setitem
F	retrieve	F	setitemgroup
F	store	F	setlist
D	tobesaved	F	setnotation

synonyms	**table**	F	setnotationsymbol
F	analyzed	F	setproperty
D	collected	F	setregister
F	compare	F	setsorting
F	define	F	setsynonym
F	filter	F	settablecell
F	finalize	F	settabulatecell
F	flush	F	settagdelimitedsymbol
F	isshown	F	settagsubsentencesymbol
F	isused	F	setupexport
F	meaning	F	setuserproperties
F	prepare	D	specifications
F	process	F	start
F	register	F	stop
F	registershown	F	strip
F	registerused	D	taglist
F	resetshown	T	usewithcare
F	resetused		T images
F	sort		
F	synonym		
D	tobesaved		

tags	**table**
F	elementtag
F	finishexport
F	getid
F	handler

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

setdimen	function
setlccode	function
setlist	function
setmath	function
setmathcode	function
setmuskip	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
triggerbuildpage	function
txtcatcodes	number
type	function
uccode	table
uniform_rand	function
uniformdeviate	function
uprint	function
useboxresource	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)

setescape function
write   function
write_nl   function

tokens (context)

astable function

bgroup userdata

bits table

  N active

  N alignment

  N begingroup

  N character

  N close

  N comment

  N endgroup

  N endofline

  N escape

  N ignore

  N invalid

  N letter

  N mathshift

  N open

  N other

  N parameter

  N space

  N subscript

  N superscript

  N whitespace

collectors table

  T data

  F defaultwords

  F dowithwords

  F flush

  F install

  F register

  T registered

  F show

  F test

compile function

constant function

converters table

  S toboolean

  S todimen

  S toglue

  S tonumber

  S tostring

egroup userdata

getters table

  F box

  F count

  F dimen

  F token

hbox userdata

istoken function

letter function

letters function

other function

pickup function

printlist function

scanners table

  F boolean

  F code

  F conditional

  F count

  F csname

  F dimen

  F dimension

  F glue

  F integer

  F keyword

  F list

  F lxmlid

  F number

  F scanclose

  F scanopen

  F skip

  F string

  F token

  F tokens

  F toks

  F word

scantable function

setters table

  F box

  F count

  F dimen

  F macro

shortcuts table

T bits

  N active

  N alignment

  N begingroup

  N character

  N close

  N comment

  N endgroup

  N endofline

  N escape

  N ignore

  N invalid

  N letter

  N mathshift

  N open

  N other

  N parameter

  N space

  N subscript

  N superscript

  N whitespace

N close

F inspect

N open

F report

F scanboolean

F scanclose

F scancode

F scanconditional

F scancsname

F scandimen

F scandimension

F scaninteger

F scankeyword

F scanlist

T scanners

  F boolean

  F code

  F conditional

  F count

  F csname

  F dimen

  F dimension

F glue

F integer

F keyword

F list

F lxmlid

F number

F scanclose

F scanopen

F skip

F string

F token

F tokens

F toks

F word

F scannumber

F scanopen

F scanstring

F scanword

F toboolean

F todimen

T tokens

  F astable

  U bgroup

  T collectors

    F defaultwords

    F dowithwords

    F flush

    F install

    F register

    F show

    F test

  F compile

  F constant

  T converters

    S toboolean

    S todimen

    S toglue

    S tonumber

    S tostring

  U egroup

  T getters

    F box

    F count

    F dimen

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

tracers (context)

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

trackers (context)

data	data table
default	function
disable	function
dumphashtofile	function
enable	function
list	function
name	string
register	function
report	function
reset	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
- T methods
- 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 addanchortoline
- F addtoline
- F calculatedelta
- F checkline
- F handler
- F moveinline
- F normalize
- 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		**spacings**	table
D	mapping		F	define
F	set		F	handler
manipulators	table		D	mapping
F	apply		T	numbers
F	applyspecification		T	frenchpunctuation
T	methods		T	characters
F	Word		S	name
F	Words		N	number
F	abbreviatedjournal		F	reset
F	expandedjournal		F	set
F	lowercase		F	setup
F	stripperiod		**wrappers**	table
F	uppercase		F	handler
T	patterns		**xtables**	table
U	list		F	cleanup
U	pair		F	construct
F	splitspecification		F	create
margins	table		F	finish_row
F	finalhandler		F	flush
F	globalhandler		F	initialize_construct
F	ha		F	initialize_reflow_height
F	localhandler		F	initialize_reflow_width
F	save		F	next_row
marksuspects	function		F	reflow_height
paragraphs	table		F	reflow_width
F	addanchortoline		F	set_construct
F	addtoline		F	set_reflow_height
F	calculatedelta		F	set_reflow_width
F	checkline			
F	handler			
F	moveinline			
F	normalize			
F	set			
processors	table			
F	apply			
F	register			
F	reset			
F	split			
F	startapply			
F	stopapply			
F	stripped			
F	tostring			
showsuspects	function			

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
files table
 F close
 F getposition
 F look
 F open
 F read2dot14
 F readbyte
 F readbytes
 F readcardinal
 F readcardinal1
 F readcardinal2
 F readcardinal3
 F readcardinal4
 F readchar
 F readfixed4
 F readinteger
 F readinteger1
 F readinteger2
 F readinteger4
 F readstring
 F readtag
 F setposition
 F size
 F skip
 F skiplong
 F skipshort
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
 T hashes
  T settings_to_set
   T max,fit,broad,auto
    B auto
    B broad
    B fit

F readchar	F replace
F readfixed4	F replacer
F readinteger	F resolve
F readinteger1	
F readinteger2	
F readinteger4	
F readstring	
F setposition	
F size	
F skip	
F skipbytes	
F skiplong	
F skipshort	

strings   table

F collapsecrlf

T formatters

  F add

  F new

F newrepeater

F nice

T striplinepatterns

  U collapse

  U prune

  U prune and collapse

  U prune and no empty

  U retain

  U retain and collapse

  U retain and no empty

F striplines

F striplong

F tabtospace

T tracers

tables   table

F accesstable

F definedtable

F definetable

F encapsulate

F insertaftervalue

F insertbeforevalue

F migratetable

F removevalue

F replacevalue

templates   table

F load

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
getspecification	function
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 string	
after	function	D tex	
all	function	D texline	
applylpath	function	D texspace	
assign	function	D verbose	
attribute	function	**defaultprotocol**	string
badinclusions	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	

F attribute		F position	
F chainattribute		F reverse	
F command		F table	
F concat		F tag	
F concatrange		F tags	
F context		F text	
F count		F texts	
F ctxtext		F upperall	
F default		**first**	function
F first		**found**	function
F function		**functions**	table
F index		**getbuffer**	function
F last		**gethandlers**	function
F lettered		**gethandlersfunction**	function
F lower		**helpers**	table
F lowerall		F recursetext	
F match		**include**	function
F name		**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

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