MP attributes backends bit bit32 blobs
boolean buffers builders caches callback
callbacks catcodes characters chemistry
commands containers context converters
coroutine ctxrunner debug dir directives
document documentdata environment epdf
experiments figures file floats font
fontloader fonts functions global graphics
gzip img interactions interfaces io jit job
lang languages layouts lfs libraries lmx
logs lpdf lpeg ltn12 lua luatex lxml math
mathematics mbox md5 metapost mime
moduledata modules mp mplib noads node
nodes number 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)

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

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

attributes (context)

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

colors table
- N attribute
- F cmyk
- F cmyktogray
- F cmyktorgb
- F colorcomponents
- B couple
- D data
- N default
- F defineintermediatecolor
- F 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

   N attribute

   D data

   F enable

   F handler

   F register

   D registered

   F set

numbers data table

ofnode function

private function

public function

restore function

save function

showcurrent function

states table

   F disabletriggering

   F enabletriggering

   F finalize

   F initialize

   F process

   F selective

   F stacked

   F stacker

system function

transparencies table

   N attribute

   D data

   F enable

   F forcesupport

   F handler

   U none

   F register

   D registered

   B supported

   B triggering

   F value

   D values

unsetvalue number

viewerlayers table

   N attribute

   F cleanup

   D data

   F define

   F definedlayoutcomponent

   F enable

   F forcesupport

   F handler

   B hasorder

   D listwise

   F register

   D registered

   F resolve_begin

   F resolve_end

   F resolve_reset

   F resolve_step

   D scopes

   F setfeatures

   F start

   F stop

   B supported

   D values

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 startunicodetoactualtext
      F stoplayer
      F stopunicodetoactualtext
      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	**lchexnumbers**	function
A:es	function	**leapyear**	function
AK	function	**lower**	function
Alphabetic	function	**max**	function
Alphabetic:es	function	**maxchrs**	function
Character	function	**minute**	function
Characters	function	**month**	function
I	function	**nicenumber**	function
KA	function	**nofdays**	function
KR	function	**number**	function
R	function	**numbers**	function
RK	function	**octnumber**	function
Romannumerals	function	**octstringtonumber**	function
Sloviannumerals	function	**ordinal**	function
Spanishnumerals	function	**r**	function
Word	function	**rawcharacter**	function
Words	function	**romannumerals**	function
a	function	**second**	function
a:es	function	**sequences**	data table
abjadnodotnumerals	function	**sloviannumerals**	function
abjadnumerals	function	**spanishnumerals**	function
alphabetic	function	**textime**	function
alphabetic:es	function	**toabjad**	function
character	function	**tochinese**	function
characters	function	**toroman**	function
chineseallnumerals	function	**uchexnumber**	function
chinesecapnumerals	function	**uchexnumbers**	function
chinesenumerals	function	**upper**	function
chr	function	**verbose**	table
chrs	function		D data
cn	function		F translate
cn-a	function	**weekday**	function
cn-c	function	**word**	function
convert	function	**words**	function
decimals	function	**year**	function
define	function		
hexstringtonumber	function		
hour	function		
i	function		
isleapyear	function		
lchexnumber	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 fin2
  - N fin3
  - N fina
  - N half
  - N init
  - N isol
  - N med2
  - N medi
  - N pref
  - N pstf
  - N rphf
- D initializers
- D methods
- F setstate
- T states
  - N blwf
  - N fin2
  - N fin3
  - N fina
  - N half
  - N init
  - N isol
  - N mark
  - N med2
  - 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 space_stretch
    S height                            S spaceshrink
    S italic                            S spacestretch
    S width                             S x_height
  T description                         S units
    T boundingbox                       S vfactor
    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
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N Ucyrillic	N dalethebrew
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N Zecyrillic	N daletqamatshebrew
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N hatafpatah23	N kcedilla
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N hatafpatahhebrew	N lameddagesh
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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 nofconversions

F	nofdays	F	prefixedconverted
F	nofstackedfloats	F	preparecolumnsetflush
F	notedeltapage	F	presetsymbollist
F	noteinternal	F	presettabulate
F	notelistindex	F	prevcountervalue
F	noteprefixednumber	F	previoussubcountervalue
F	notetitle	F	processbodyfontsizes
F	ntimes	F	processbuffer
F	number	F	processcolorcomponents
F	numbers	F	processedfile
F	octnumber	F	processedfiles
F	octstringtonumber	F	processfile
F	operatingsystem	F	processfilemany
F	ordinal	F	processfilenone
F	outputfilename	F	processfileonce
F	overloadbookmark	F	processjob
F	overloaderror	F	processlist
F	pagestaterealpage	F	processregister
F	parpos	F	processsplit
F	pdfrotation	F	processsynonyms
F	pdfstartmatrix	F	profilebox
F	pdfstartmirroring	F	purefontname
F	pdfstartrotation	F	pushfloat
F	pdfstartscaling	F	pushhyphenation
F	pdfstopmatrix	F	pushitaliccorrection
F	pdfstopmirroring	F	pushlist
F	pdfstoprotation	F	pushpath
F	pdfstopscaling	F	pushrandomseed
F	percentageof	F	pushreferenceprefix
F	pgfxcolorspec	F	pushregime
F	pickupbuffer	F	pushsectionblock
F	pickupmarkedcontent	F	pushstream
F	pickuppunctuation	F	putincolumnset
F	placeparallel	F	rawcharacter
F	popfloat	F	rawcountervalue
F	pophyphenation	F	rawdate
F	popitaliccorrection	F	rawsubcountervalue
F	poplist	F	referencepagedetail
F	poppath	F	referencepagestate
F	poprandomseed	F	referencerealpage
F	popreferenceprefix	F	registerattachment
F	popregime	F	registerbackendsymbol
F	popsectionblock	F	registerbodyfontsize
F	postponenotes	F	registerbookmark

F	registerbuttons	F	resetmathattributes
F	registercolorintent	F	resetmathitalics
F	registercolumnsetarea	F	resetnullfont
F	registeredviewerlayer	F	resetparallel
F	registerfigurepattern	F	resetpath
F	registerfiguresuffix	F	resetprevdepth
F	registerhelp	F	resetreference
F	registerhyphenationexception	F	resetscript
F	registerhyphenationpattern	F	resetshownsynonyms
F	registeritemgroup	F	resetstructureprocessor
F	registerlanguagefeatures	F	resetsubcounter
F	registerlinenumbering	F	resettimer
F	registermaintextcolor	F	resettrackers
F	registermpyfile	F	resetusedsynonyms
F	registernamedlua	F	restartcounter
F	registernamespace	F	restartsubcounter
F	registerobject	F	restorecounter
F	registerpostponedblock	F	restorecurrentattributes
F	registerreferencedobject	F	restorenote
F	registerrendering	F	restoreobject
F	registersection	F	reuserandomseed
F	registershownsynonym	F	revivefeature
F	registerstructureprocessor	F	romannumerals
F	registersynonym	F	rounded
F	registerunit	F	runbuffer
F	registerusedsynonym	F	runcontextjob
F	registeruserdata	F	safechar
F	relatemarking	F	savebuffer
F	renderingvar	F	savecounter
F	replacefeature	F	savecurrentattributes
F	replacepospxywhd	F	savedlistnumber
F	reportstructure	F	savedlistprefixednumber
F	resavefloat	F	savedlisttitle
F	resetcharacteralign	F	savefloat
F	resetcolumnset	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	second	F	sethyphenatedurlcharacters
F	selectstructureblock	F	sethyphenationfeatures
F	setactivecatcodes	F	sethyphenationmethod
F	setbreakpoints	F	setinitial
F	setcharacteralign	F	setinitialsectionblock
F	setcharactercasing	F	setinjector
F	setcharactercleaning	F	setinnerreferencemethod
F	setcharacterkerning	F	setinsertionlocation
F	setcharacterspacing	F	setinterfaceconstant
F	setcharacterstripping	F	setinterfaceelement
F	setclosedocumentaction	F	setinterfacemessage
F	setclosepageaction	F	setinterfacemessages
F	setcolormodel	F	setinterfacevariable
F	setcolumnsetarea	F	setinternalreference
F	setcolumnsetlines	F	setitaliccorrection
F	setcolumnsetproperties	F	setjavascriptpreamble
F	setcolumnsetstart	F	setjobcomment
F	setcounter	F	setlanguageexceptions
F	setdataset	F	setlanguagesynonym
F	setdestinationattribute	F	setlettercatcodes
F	setdigitsmanipulation	F	setmarking
F	setdirection	F	setmathalphabet
F	setdocumentargument	F	setmathalternate
F	setdocumentcommandline	F	setmathattribute
F	setdocumentctxfile	F	setmathdirection
F	setdocumentdefaultargument	F	setmathdomain
F	setdocumentenvironments	F	setmathitalics
F	setdocumentfilename	F	setmathstyle
F	setdocumentfilenames	F	setmpextensions
F	setdocumentmodes	F	setnegative
F	setdocumentmodules	F	setnextinternalreference
F	seteffect	F	setnextreferenceorder
F	setelementuserproperties	F	setnotestate
F	setfieldcalculationset	F	setopendocumentaction
F	setfigurelookuporder	F	setopenpageaction
F	setfigurepaths	F	setowncounter
F	setfirstline	F	setownsubcounter
F	setfontfeature	F	setpagecolormodel
F	setfontofid	F	setpagestate
F	setfontsolution	F	setpagestaterealpageno
F	setformat	F	setpagetransition
F	setformsmethod	F	setparbuilder
F	sethsizecolumnset	F	setprofile
F	sethsizecolumnspan	F	setrandomseed

F setrealign	F setuplinenumbering
F setrealspaces	F setuserinterface
F setreferencearguments	F setvalidinterfacekeys
F setreferenceoperation	F setvisual
F setregionbox	F setvisualfont
F setregionboxtagged	F setvisuallayer
F setregistermethod	F setvsizecolumnset
F setreplacements	F setxmpfile
F setscript	F showassignerror
F setsectionblock	F showattributes
F setsectionentry	F showcounter
F setstructureblockstate	F showdebuginfo
F setstructurelevel	F showdirectives
F setstructurenumber	F showdiscretionaries
F setsubcounter	F showexperiments
F settagaspect	F showhyphenatedinlist
F settagcombination	F showhyphenationtrace
F settagdelimitedsymbol	F showinjector
F settagfigure	F showjustification
F settaggedmetadata	F showlogcategories
F settaghighlight	F showmessage
F settagitem	F showtrackers
F settagitemgroup	F sin
F settaglist	F sind
F settagnotation	F splitfilename
F settagnotationsymbol	F spotcolorname
F settagproperty	F spotcolorparent
F settagproperty_b	F spotcolorvalue
F settagproperty_n	F startactualtext
F settagregister	F startchemical
F settagsorting	F startcolorset
F settagsubsentencesymbol	F startcomponent
F settagsynonym	F startenvironment
F settagtablecell	F startfontsolution
F settagtabulatecell	F startparbuilder
F setupbookmarks	F startproduct
F setupcanvas	F startproject
F setupcharacterspacing	F startregime
F setupexport	F startsectionlevel
F setupfontexpansion	F startstream
F setupfontprotrusion	F starttag
F setupidentity	F starttag_c
F setupinsertion	F starttag_d
F setupitaliccorrection	F starttag_u

F starttext

F startviewerlayer

F step

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 structurecatcodedget

F structuregivencatcodedget

F structurenumber

F structuretitle

F structureuservariable

F structurevariable

F strwd

F subcountervalue

F subcountervalues

F subsubcountervalues

F subtractfeature

F synchronizemarking

F synchronizestream

F synonymmeaning

F synonymname

F systemlog

F tagmfunctionlab

F tagmfunctiontxt

F tan

F tand

F texdefinition_one

F texdefinition_two

F textime

F thefirstcharacter

F themaxboxwidth

F theremainingcharacters

F tochar

F transparencycomponents

F triggerpagebuilder

F truefilename

F type

F typebuffer

F typefile

F uchar

F uchexnumber

F uchexnumbers

F undefinechemical

F unicodechar

F unihex

F unit_normal

F unit_reverse

F unloadlanguage

F upper

F useMPlibrary

F useanyfile

F useanyfileonce

F usecldfile

F usecldfileonce

F usecolors

F usecomponent

F useenvironment

F usefigurebase

F usefile

F usejavascriptpreamble

F usejavascriptscripts

F useluafile

F useluafileonce

F useluamodule

F usemodules

F usepath

F useproduct

F useproject	F x_table_reflow_width
F usesubpath	F x_table_set_construct
F usesymbols	F x_table_set_reflow_height
F usetexfile	F x_table_set_reflow_width
F usetexfileonce	F xmladdindex
F useurl	F xmlaftersetup
F usexmlfile	F xmlall
F usexmlfileonce	F xmlappendsetup
F usezipfile	F xmlapplyselectors
F utfchar	F xmlatt
F utfmathclass	F xmlattdef
F utfmathcommand	F xmlattribute
F utfmathcommandabove	F xmlattributedef
F utfmathcommandbelow	F xmlbadinclusions
F utfmathcommandfiller	F xmlbeforesetup
F utfmathfiller	F xmlchainatt
F utfmathstretch	F xmlchainattdef
F vboxlisttohbox	F xmlchecknamespace
F verbose	F xmlcommand
F vspacing	F xmlconcat
F vspacingcollapse	F xmlconcatrange
F vspacingcollapseonly	F xmlcontext
F vspacingdefine	F xmlcount
F vspacingsetamount	F xmldelete
F vspacingsnap	F xmldirect
F way	F xmldirectives
F weekday	F xmldirectivesafter
F weekdayname	F xmldirectivesbefore
F writestatus	F xmldisplayverbatim
F x_table_c	F xmldoif
F x_table_cleanup	F xmldoifelse
F x_table_construct	F xmldoifelseempty
F x_table_create	F xmldoifelseselfempty
F x_table_finish_row	F xmldoifelsetext
F x_table_flush	F xmldoifempty
F x_table_init_construct	F xmldoifnot
F x_table_init_reflow_height	F xmldoifnotempty
F x_table_init_reflow_height_option	F xmldoifnotselfempty
F x_table_init_reflow_width	F xmldoifnottext
F x_table_init_reflow_width_option	F xmldoifselfempty
F x_table_next_row	F xmldoiftext
F x_table_next_row_option	F xmlelement
F x_table_r	F xmlfilter
F x_table_reflow_height	F xmlfilterlist

F	xmlfirst	F	xmlsetcommandtonone
F	xmlflush	F	xmlsetcommandtotext
F	xmlflushcontext	F	xmlsetentity
F	xmlflushlinewise	F	xmlsetinjectors
F	xmlflushpure	F	xmlsetsetup
F	xmlflushsetups	F	xmlsnippet
F	xmlflushspacewise	F	xmlstartraw
F	xmlflushtext	F	xmlstarttiming
F	xmlfunction	F	xmlstopraw
F	xmlgetindex	F	xmlstoptiming
F	xmlinclude	F	xmlstrip
F	xmlincludeoptions	F	xmlstripanywhere
F	xmlinclusion	F	xmlstripnolines
F	xmlinclusions	F	xmlstripped
F	xmlindex	F	xmlstrippednolines
F	xmlinlineverbatim	F	xmltag
F	xmlinstalldirective	F	xmltexentity
F	xmllast	F	xmltext
F	xmllastatt	F	xmltobuffer
F	xmllastmatch	F	xmltobufferverbose
F	xmlload	F	xmltofile
F	xmlloadbuffer	F	xmltoparameters
F	xmlloaddata	F	xmlverbatim
F	xmlloaddirectives	F	xmlwithindex
F	xmlloadentities	F	year
F	xmlmain	**setconstant**	function
F	xmlmatch	**setcount**	function
F	xmlname	**setdimen**	function
F	xmlnamespace	**setelement**	function
F	xmlnonspace	**setformat**	function
F	xmlpath	**setmacro**	function
F	xmlpos	**setmessage**	function
F	xmlprependsetup	**setmessages**	function
F	xmlpure	**settranslation**	function
F	xmlraw	**setuserinterface**	function
F	xmlrawtex	**setvalidkeys**	function
F	xmlrefatt	**setvariable**	function
F	xmlregisterns	**showmessage**	function
F	xmlremapname	**storedscanners**	data table
F	xmlremapnamespace	**strings**	table
F	xmlremovesetup	**syntax**	data table
F	xmlresetinjectors	**tolist**	function
F	xmlresetsetups	**translations**	data table
F	xmlsave		

variables   data table
writestatus   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		**urls**	table
F pushmethod		D characters	
F setmethod		N lefthyphenmin	
F setup		D mapping	
F showhyphenationtrace		B packslashes	
T traditional		N righthyphenmin	
F definefeatures		F setcharacters	
F gettrace		**version**	number
F hyphenate		**visualizediscretionaries**	function
F injecthyphens		**words**	table
F installmethod		F check	
F lasttrace		T data	
F loadpatterns		F disable	
F registerexception		F enable	

T enablers

B enables

F found

F load

T methods

N threshold

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	**pagereference**	function
colorvalue	function	**pdfcolor**	function
colorvalues	function	**pdftimestamp**	function
constant	function	**protectresources**	boolean
delayedobject	function	**rectangle**	function
destinationspecification	function	**reference**	function
dictionary	function	**registerannotation**	function
docstring	function	**registerdestination**	function
epdf	table	**registerdocumentfinalizer**	function
F contenttotext		**registerpagefinalizer**	function
F expand		**reserveobject**	function
F expanded		**rgbcode**	function
F getpagecontent		**rotationcm**	function
F getstructure		**shareobject**	function
F load		**shareobjectreference**	function
F unload		**spotcode**	function
escaped	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
B page-cst	
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	**inlineverbatim**	function
context	function	**installsetup**	function
convert	function	**last**	function
count	function	**lastatt**	function
delete	function	**lastmatch**	function
direct	function	**load**	function
directives	table	**loadbuffer**	function
F after		**loaddata**	function
F before		**loaded**	table
F handle		**main**	function
F load		**match**	function
F setup		**name**	function
displayverbatim	function	**namespace**	function
doif	function	**nonspace**	function
doifelse	function	**path**	function
doifelseempty	function	**pos**	function
doifelsetext	function	**position**	function
doifempty	function	**pure**	function
doifnot	function	**raw**	function
doifnotempty	function	**rawroot**	function
doifnottext	function	**rawtex**	function
doiftext	function	**refatt**	function
element	function	**register**	function
elements	function	**registerentity**	function
entities	data table	**removesetup**	function
filter	function	**resetcdata**	function
filterlist	function	**resetsetups**	function
first	function	**resolvedentity**	function

root	function
save	function
serialize	function
setaction	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setsetup	function
snippet	function
sorters	table

F add

F compare

F flush

F reset

F show

F sort

splitid	function
startraw	function
startunescaped	function
stopraw	function
stopunescaped	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
simple	function
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
copy_list	function
count	function
current_attr	function
dimensions	function
direct	table

F copy
F copy_list
F count
F current_attr
F dimensions
F do_ligature_n
F effective_glue
F end_of_math
F first_glyph
F flush_list
F flush_node
F flush_properties_table
F free
F get_attribute
F get_properties_table
F getboth
F getbox
F getchar
F getdisc
F getfield
F getfont
F getglue
F getid
F getleader
F getlist
F getnext
F getprev
F getproperty
F getsubtype
F has_attribute
F has_field
F has_glyph
F hpack
F insert_after
F insert_before

F is_char
F is_direct
F is_glyph
F is_node
F is_zero_glue
F kerning
F last_node
F length
F ligaturing
F new
F protect_glyph
F protect_glyphs
F protrusion_skippable
F remove
F set_attribute
F set_properties_mode
F setboth
F setbox
F setchar
F setdisc
F setfield
F setglue
F setleader
F setlink
F setlist
F setnext
F setprev
F setproperty
F setsubtype
F slide
F tail
F todirect
F tonode
F tostring
F traverse
F traverse_char
F traverse_id
F unprotect_glyphs
F unset_attribute
F usedlist
F vpack

do_ligature_n	function	**prev**	function
effective_glue	function	**protect_glyph**	function
end_of_math	function	**protect_glyphs**	function
family_font	function	**protrusion_skippable**	function
fields	function	**remove**	function
first_glyph	function	**set_attribute**	function
flush_list	function	**set_properties_mode**	function
flush_node	function	**setboth**	function
flush_properties_table	function	**setfield**	function
free	function	**setglue**	function
get_attribute	function	**setlink**	function
get_properties_table	function	**setnext**	function
getboth	function	**setprev**	function
getchar	function	**setproperty**	function
getdisc	function	**slide**	function
getfield	function	**subtype**	function
getfont	function	**subtypes**	function
getglue	function	**tail**	function
getid	function	**tostring**	function
getleader	function	**traverse**	function
getlist	function	**traverse_char**	function
getnext	function	**traverse_id**	function
getprev	function	**type**	function
getproperty	function	**types**	function
getsubtype	function	**unprotect_glyphs**	function
has_attribute	function	**unset_attribute**	function
has_field	function	**usedlist**	function
has_glyph	function	**vpack**	function
hpack	function	**whatsits**	function
id	function	**write**	function
insert_after	function		
insert_before	function		
is_char	function		
is_glyph	function		
is_node	function		
is_zero_glue	function		
kerning	function		
last_node	function		
length	function		
ligaturing	function		
mlist_to_hlist	function		
new	function		
next	function		

nodes (context)

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

F getligaindex		N scratchbox
F handler	**link**	function
F installnewkern	**linked**	function
F keepcounts	**list**	function
F reset	**listablefields**	data table
F resetcounts	**listcodes**	data table
F setcursive	**listtoutf**	function
F setkern	**load**	function
F setligaindex	**locate**	function
F setmark	**margincodes**	data table
F setpair	**marginkerncodes**	data table
F setspacekerns	**markers**	table

insert_after	function	F get
insert_before	function	
insert_list_after	function	**mathcodes**	data table
installattributehandler	function	**maxboxwidth**	function
is_char	function	**mlist_to_hlist**	function
is_direct	function	**new**	function
is_display_math	function	**noadcodes**	data table
is_glyph	function	**nodecodes**	data table
is_mirrored	data table	**nopts**	function
is_node	function	**nuts**	table
is_nut	function	
is_rotated	data table	F append
is_zero_glue	function	F concat
ischar	function	F copy
isglyph	function	F copy_list
kerncodes	data table	F copy_properties
kerning	function	F copyvisual
keys	table	F count
		F current_attr
T whatsit		F delete
last_node	function	F dimensions
leadercodes	data table	F do_ligature_n
leftmarginwidth	function	F effective_glue
ligaturing	function	F end_of_math
lines	table	F first_glyph
		F firstcharacter
T boxed		F firstcharinbox
F register		F firstglyph
F setup		F flush_list
F stage_one		F flush_node
F stage_two		F free
D data		F fullhpack
F finalize		F getattr
F number		F getattribute

F getboth
F getbox
F getchar
F getdisc
F getfield
F getfont
F getglue
F getid
F getleader
F getlist
F getnext
F getprev
F getprop
F getskip
F getsubtype
F has_attribute
F has_field
F has_glyph
F hpack
F insert_after
F insert_before
F insert_list_after
F is_char
F is_direct
F is_display_math
F is_glyph
F is_node
F is_nut
F is_zero_glue
F ischar
F isglyph
F kerning
F last_node
F leftmarginwidth
F ligaturing
F link
F linked
F locate
F mlist_to_hlist
F nestedtracedslide
F new
T pool
  F baselineskip
  F cleanup

F disc
F emptyrule
F fontkern
F glue
F gluespec
F glyph
F hlist
F italickern
F kern
F latelua
F lateluafunction
F leftmarginkern
F leftskip
F lineskip
F negatedglue
F noad
F pdfannotation
F pdfdestination
F pdfdirect
F pdfliteral
F pdfrestore
F pdfsave
F pdfsetmatrix
F penalty
F register
F rightmarginkern
F rightskip
F rule
F shrink
F special
F stretch
F temp
F textdir
F usage
T userids
  N margins.inline
  N property
  N splitters.one
  N splitters.two
F userlist
F usernumber
F userrule
F userstring
F usertokens

F vlist

  F zeroglue

F prepend

F protect_glyph

F protect_glyphs

F protrusion_skippable

F rawprop

F reference

F remove

F repackhlist

F replace

F rightmarginwidth

F set_attribute

F setattr

F setattribute

F setattributes

F setboth

F setbox

F setchar

F setdisc

F setfield

F setglue

F setleader

F setlink

F setlist

F setnext

F setprev

F setprop

F setsubtype

F setunsetattributes

F setvisual

F slide

F somepenalty

F somespace

F splitbox

F tail

F takebox

F takelist

F theprop

F tonode

F tonodes

F tonut

F tosequence

F tostring

F tracedslide

F traverse

F traverse_char

F traverse_id

T typesetters

  F tohbox

  F tohpack

  F tonodes

  F tovbox

  F tovpack

F unprotect_glyphs

F unset_attribute

F unsetattribute

F unsetattributes

F untracedslide

F usedlist

F vianodes

F vianuts

F vpack

F write

packlist   function

pardir_is_equal   data table

pardir_is_opposite   data table

pardir_is_parallel   data table

partextdir_is_equal   data table

penaltycodes   data table

plugindata   table

  F finalizer

  F initializer

  S name

  T namespace

    N attribute

    D data

    F enable

    F handler

    F register

    D registered

    D values

  F processor

points   function

pool   table

  F baselineskip

  F cleanup

  F glyph

F	kern	**replace**	function
F	latelua	**report**	function
F	lateluafunction	**rightmarginwidth**	function
F	lineskip	**rulecodes**	data table
F	pdfdirect	**rules**	table
F	pdfliteral	D data	
F	pdfrestore	F define	
F	pdfsave	F enable	
F	pdfsetmatrix	F handler	
F	register	T ruleactions	
F	rule	F draw	
F	special	F fill	
F	usage	F mp	
F	usernumber	F stroke	
prepend	function	F userrule	
print	function	**save**	function
processors	table	**serialize**	function
B	enabled	**serializebox**	function
F	hpack_filter	**set_attribute**	function
F	post_linebreak_filter	**setattributes**	function
F	pre_linebreak_filter	**setbox**	function
F	tracer	**setfield**	function
processwords	function	**setunsetattributes**	function
properties	table	**shifts**	table
T	actions	D data	
F	delayed	F define	
F	fdelayed	F enable	
F	immediate	F handler	
F	attach	**show**	function
T	data	**showboxes**	function
F	delayed	**showcodes**	function
protect_glyph	function	**showlist**	function
protect_glyphs	function	**showsimplelist**	function
protrusion_skippable	function	**skipcodes**	data table
pts	function	**slide**	function
radicalcodes	data table	**snapshots**	table
reference	function	F getparameters	
references	table	F getsamples	
N	attribute	F resetsamples	
T	done	F takesample	
F	handler	**somepenalty**	function
T	stack	**somespace**	function
remove	function	**splitbox**	function
repackhlist	function	**stripdiscretionaries**	function

stripping	table		**totable**	function
T glyphs			**totree**	function
F set			**toutf**	function
striprange	function		**tracers**	table
tail	function		T characters	
takebox	function		F collect	
tasks	table		F equal	
F actions			F start	
F appendaction			F string	
F disableaction			F unicodes	
F disablegroup			T colors	
F enableaction			F reset	
F enablegroup			F set	
F freeze			F setlist	
F freezegroup			F fontchar	
F new			T frequencies	
F prependaction			F register	
F removeaction			T pool	
F replaceaction			T nodes	
F restart			F rule	
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	

F setlist	
traverse	function
traverse_char	function
traverse_id	function
typesetters	table
F hbox	
F hpack	
F tohbox	
F tohpack	
F tonodes	
F tovbox	
F tovpack	
F vpack	
unprotect_glyphs	function
unset_attribute	function
unsetattribute	function
unsetattributes	function
usedlist	function
vianodes	function
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	
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)

columnsets   table
- F add
- F block
- F check
- F currentcolumn
- F define
- F finishflush
- F flushareas
- F flushcolumn
- F flushrest
- F goto
- F noto
- F prepareflush
- F put
- F registerarea
- F reset
- F setarea
- F sethsize
- F sethspan
- F setlines
- F setproperties
- F setstart
- F setvsize

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	**newcolorstack**	function
fontobjnum	function	**obj**	function
fontsize	function	**objtype**	function
getcatalog	function	**pageref**	function
getcompresslevel	function	**print**	function
getdecimaldigits	function	**refobj**	function
getdestmargin	function	**registerannot**	overloaded function
gethpos	function	**reserveobj**	function
getignoreunknownimages	function	**setcatalog**	overloaded function
getinclusionerrorlevel	function	**setcompresslevel**	function
getinfo	function	**setdecimaldigits**	function
getlastannot	function	**setdestmargin**	function
getlastlink	function	**setignoreunknownimages**	function
getlastobj	function	**setinclusionerrorlevel**	function
getlinkmargin	function	**setinfo**	overloaded function
getmajorversion	function	**setlinkmargin**	function
getmatrix	function	**setmajorversion**	function
getminorversion	function	**setminorversion**	function
getnames	function	**setnames**	overloaded function
getobjcompresslevel	function	**setobjcompresslevel**	function
getorigin	function	**setorigin**	function
getpageattributes	function	**setpageattributes**	overloaded function
getpageresources	function	**setpageresources**	overloaded function
getpagesattributes	function	**setpagesattributes**	overloaded function
getpkresolution	function	**setpkresolution**	function
getpos	function	**setsuppressoptionalinfo**	function
getretval	function	**setthreadmargin**	function
getsuppressoptionalinfo	function	**settrailer**	overloaded function
getthreadmargin	function	**settrailerid**	function
gettrailer	function	**setxformattributes**	function
gettrailerid	function	**setxformmargin**	function
getversion	function	**setxformresources**	function
getvpos	function	**xformname**	function
getxformattributes	function		
getxformmargin	function		
getxformresources	function		
hasmatrix	function		
immediateobj	function		
mapfile	function		
mapline	function		
maxobjnum	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	**sinkt**	table
S	received-from-mta	F	close-when-done
S	references	F	default
S	referer	F	http-chunked
S	remote-mta	F	keep-open
S	reply-to	**skip**	function
S	reporting-mta	**sleep**	function
S	resent-bcc	**smtp**	table
S	resent-cc	S	DOMAIN
S	resent-date	N	PORT
S	resent-from	S	SERVER
S	resent-message-id	N	TIMEOUT
S	resent-reply-to	S	ZONE
S	resent-sender	F	message
S	resent-to	F	open
S	retry-after	F	send
S	return-path	**source**	function
S	sender	**sourcet**	table
S	server	F	by-length
S	smtp-remote-recipient	F	default
S	status	F	http-chunked
S	subject	F	until-closed
S	te	**tcp**	function
S	to	**tcp6**	function
S	trailer	**tp**	table
S	transfer-encoding	N	TIMEOUT
S	upgrade	F	connect
S	user-agent	**try**	function
S	vary	**udp**	function
S	via	**udp6**	function
S	warning	**url**	table
S	will-retry-until	F	absolute
S	www-authenticate	F	build
S	x-mailer	F	build_path
http	table	F	escape
N	PORT	F	parse
N	TIMEOUT	F	parse_path
S	USERAGENT	F	unescape
F	open		
F	request		
newtry	function		
protect	function		
select	function		
sink	function		

sorters (context)

basicsorter   function
comparers   table
   F basic
constants   table
   S defaultdigits
   S defaultlanguage
   S defaultmethod
   N digitsmaximum
   N digitsoffset
   N ignoredoffset
   N replacementoffset
   T validmethods
    B ch
    B mc
    B mm
    B pc
    B pm
    B uc
    B zc
    B zm
definitions   data table
firstofsplit   function
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	F previous	
blocks	table	F raw	
D collected		F record	
F define		F reset	
F print		F restart	
F save		F restore	
F select		F save	
F setstate		F set	
D states		F setlevel	
D tobesaved		F setoffset	
bookmarks	table	F setown	
T extras		F setstate	
F get		F setvalue	
F mergesections		T specials	
F register		F userpage	
F reset		F subs	
F tosections		D tobesaved	
F finalize		F value	
F flatten		F way	
F installhandler		**currentsectionnumber**	function
F merge		**descriptions**	table
S method		**documents**	table
F overload		D data	
F place		F initialize	
F register		F preset	
F setup		F reset	
counters	table	**floats**	table
F add		**formulas**	table
F analyze		**helpers**	table
F check		F analyze	
D collected		F formulanumber	
F compact		F merged	
F converted		F page	
F currentvalue		F prefix	
D data		F prefixlastpage	
F define		F prefixpage	
F first		F simplify	
F get		F title	
F last		F touserdata	
F next		**inserts**	table
F prev		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	
		F uservalue	
itemgroups	table		
		marks	table
lists	table		
		D data	
F addto		F define	
F analyze		F exists	
B autoreorder		F fetch	
D cached		F fetchallmarks	
D collected		F fetched	
F discard		F fetchonemark	
F enhance		F fetchtwomarks	
T enhancers		F get	
F filter		F number	
F formulanumber		F relate	
F getresult		F reset	
F groupindex		F set	
F hasnumberdata		F show	
F haspagedata		F synchronize	
F hastitledata		F title	
F iscached		T tracers	
D kinds		F showtable	
F label			
F location		**notes**	table
D names			
F number		F checkpagechange	
D ordered		F define	
F page		F doifonsamepageasprevious	
F popnesting		F get	
F prefix		F getdeltapage	
F prefixednumber		F getinternal	
F prefixedpage		F getn	
F process		F getstate	
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	specials	F	sort
F	splitcomponent	F	store
F	splitprefix	D	tobesaved
F	splitreference	F	unique
F	synchronizepage	F	userdata
T	testrunners	**sections**	table
F	inner	F	autodepth
F	special	F	cct
F	special operation	D	collected
F	special operation with arguments	F	current
T	testspecials	F	currentblock
F	deltapage	F	currentid
F	i	F	currentlevel
F	internal	F	currentsectionindex
F	page	F	depthnumber
F	realpage	F	finddata
F	section	F	findnumber
F	userpage	F	fullnumber
D	tobereferred	F	getcurrentlevel
D	tobesaved	F	getlevel
D	tracedpages	F	getnumber
T	urls	F	internalreference
T	data	D	levelmap
F	define	D	levels
F	found	F	load
F	get	F	matchingtilldepth
D	usedinternals	F	numberatdepth
D	usedviews	F	numbers
F	valid	F	popblock
registers	table	F	prefixedconverted
F	analyze	F	pushblock
D	collected	F	register
F	compare	D	registered
F	define	F	reportstructure
F	enhance	F	save
F	extend	T	sectionblockdata
F	filter	T	bodypart
F	filtercollected	S	bookmark
F	finalize	F	set
F	flush	F	setblock
F	get	F	setchecker
F	prepare	F	setentry
F	process	F	setinitialblock
F	setmethod	F	setlevel

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			
D	labels			

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

set	function
setattribute	function
setbox	function
setcatcode	function
setcount	function
setdelcode	function
setdimen	function
setglue	function
setlccode	function
setlist	function
setmath	function
setmathcode	function
setmuglue	function
setmuskip	function
setnest	function
setsfcode	function
setskip	function
settoks	function
setuccode	function
sfcode	table
shipout	function
show_context	function
skip	table
sp	function
splitbox	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

defined function
egroup userdata
getters table
   F box
   F count
   F dimen
   F glue
   F skip
   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 conditional
	F dimen		F count
	F glue		F csname
	F macro		F dimen
	F skip		F dimension
shortcuts table			F glue
	T bits		F integer
		N active	F keyword
		N alignment	F list
		N begingroup	F lxmlid
		N character	F number
		N close	F scanclose
		N comment	F scanopen
		N endgroup	F skip
		N endofline	F string
		N escape	F token
		N ignore	F tokens
		N invalid	F toks
		N letter	F word
		N mathshift	F scannumber
		N open	F scanopen
		N other	F scanstring
		N parameter	F scanword
		N space	F toboolean
		N subscript	F todimen
		N superscript	T tokens
		N whitespace	F astable
	N close		U bgroup
	F inspect		T collectors
	N open		F defaultwords
	F report		F dowithwords
	F scanboolean		F flush
	F scanclose		F install
	F scancode		F register
	F scanconditional		F show
	F scancsname		F test
	F scandimen		F compile
	F scandimension		F constant
	F scaninteger		T converters
	F scankeyword		S toboolean
	F scanlist		S todimen
	T scanners		S toglue
		F boolean	S tonumber
		F code	S tostring

F defined	F todimen
U egroup	F tonumber
T getters	F tostring
F box	U vbox
F count	U vtop
F dimen	F tonumber
F glue	F tostring
F skip	
F token	**vbox** userdata
U hbox	**vtop** userdata
F istoken	
F letter	
F letters	
F other	
F pickup	
F printlist	
F scantable	
T setters	
F box	
F count	
F dimen	
F glue	
F macro	
F skip	
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	

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

D mapping

F set

manipulators   table

  F apply

  F applyspecification

  T methods

   F Word

   F Words

   F abbreviatedjournal

   F expandedjournal

   F lowercase

   F stripperiod

   F uppercase

  T patterns

   U list

   U pair

  F splitspecification

margins   table

  F finalhandler

  F globalhandler

  F ha

  F localhandler

  F save

marksuspects   function

paragraphs   table

  F addanchortoline

  F addtoline

  F calculatedelta

  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

spacings   table

  F define

  F handler

  D mapping

  T numbers

   T frenchpunctuation

    T characters

    S name

    N number

  F reset

  F set

  F setup

wrappers   table

  F handler

xtables   table

  F cleanup

  F construct

  F create

  F finish_row

  F flush

  F initialize_construct

  F initialize_reflow_height

  F initialize_reflow_width

  F next_row

  F reflow_height

  F reflow_width

  F set_construct

  F set_reflow_height

  F set_reflow_width

unicode (extra lua)

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

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

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

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

utf8   table
- F byte
- F char
- F characters
- F 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

```
      B max                                          F enableaction
    T text,hidden,paper,page,leftpage,rightpage      F enablegroup
      B hidden                                       D functions
      B leftpage                                     F localize
      B page                                         F new
      B paper                                        F nodeprocessor
      B rightpage                                    F prependaction
      B text                                         F prependgroup
  F iterator                                         F removeaction
  F keq_to_hash                                      F replaceaction
  F listitem                                         F setkind
  F make_settings_to_hash_pattern                    F tostring
  F mergehashes                            setters            table
  F options_to_array                                 F disable
  F options_to_hash                                  F enable
  T patterns                                         F initialize
    U settings_to_array                              F list
    U settings_to_hash_a                             F new
    U settings_to_hash_b                             F register
    U settings_to_hash_c                             F report
    U unittotex                                      F reset
  F process_stripped_settings                        F show
  F rfc4180splitter                        stacker            table
  F runtime                                          F new
  F settings_to_array                      storage            table
  F settings_to_array_with_repeat                    F allocate
  F settings_to_hash                                 F checked
  F settings_to_hash_strict                          F mark
  F settings_to_hash_tolerant                        F marked
  F settings_to_set                                  F setinitializer
  F simple_hash_to_string                            F sparse
  F splitmethod                            streams            table
  F splitthousands                                   F close
  F stepper                                          F getposition
  F stripped_settings_to_array                       F look
  F unittotex                                        F open
  F unittoxml                                        F read2dot14
report                  function                     F readbyte
sequencers              table                        F readbytes
  F appendaction                                     F readcardinal
  F appendgroup                                      F readcardinal1
  F compile                                          F readcardinal2
  F disableaction                                    F readcardinal3
  F disablegroup                                     F readcardinal4
```

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 parsedxml	
addspecialcode	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	

F all		F match	
F attribute		F name	
F chainattribute		F position	
F chainpath		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		**lastmatch**	function
F last		**load**	function
F lowerall		**lpath**	function

lpathcached	function	**selection**	function
lpathcalls	function	**separate**	function
lshow	function	**serialize**	function
makestandalone	function	**setcdata**	function
match	function	**setcomment**	function
name	function	**sethandlersfunction**	function
newhandlers	function	**setinjectors**	function
nodesettostring	function	**setproperty**	function
originalload	function	**settings**	function
package	function	**specialcodes**	table
parent	function	S "	
parsedentitylpeg	userdata	S #	
pihandlers	table	S $	
F injector		S %	
placeholders	table	S &	
F unknown_any_entity		S '	
F unknown_dec_entity		S <	
F unknown_hex_entity		S >	
position	function	S \	
privatecodes	table	S {	
privatetoken	function	S		
process	function	S }	
~~**process_attributes**~~	~~function~~	S ~	
~~**process_elements**~~	~~function~~	**specialhandler**	table
processattributes	function	**sprint**	function
profiled	table	**string**	function
raw	function	**strip**	function
registerentity	function	~~**strip_whitespace**~~	~~function~~
registerns	function	**stripelement**	function
reindex	function	**stripleadingspaces**	function
~~**remap_name**~~	~~function~~	**table**	function
~~**remap_namespace**~~	~~function~~	**text**	function
~~**remap_tag**~~	~~function~~	**textonly**	function
remapname	function	**texttocdata**	function
remapnamespace	function	**tocdata**	function
remaptag	function	**toelement**	function
renamespace	function	**tostring**	function
reparsedentitylpeg	userdata	**totable**	function
replace	function	**toxml**	function
replace_element	function	**tprint**	function
resetinjectors	function	**traverse**	function
resolvens	function	**unescaped**	function
root	function	**unescapedentitylpeg**	userdata
save	function	**unprivatized**	function

unspecialized	function
withelement	function
withelements	function
wrap	function
xmlns	table

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