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 newtoken noads
node nodes number os package pagebuilders
parametersets pdf pdfscanner physics
profiler publications regimes resolvers
sandbox scripts set socket sorters
statistics status storage streams string
structures table tex texconfig texio
thirddata tokens tracers trackers
typesetters unicode url userdata utilities
vf visualizers xml zip zlib

ConTEXt MkIV

global (alias: _G)

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

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

attributes (context)

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

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

- F mpoptions
- U none
- F pgfxcolorspec
- 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

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 insertrenderingwindow
current	string		F mergebookmarks
defaults	table		F mergereferences
T codeinjections			F mergeviewerlayers
F gethpos			F prerollreference
F getmatrix			F presetsymbol
F getpos			F presetsymbollist
F getvpos			F processrendering
F hasmatrix			F registerdocumentcloseaction
T nodeinjections			F registerdocumentopenaction
T registrations			F registeredsymbol
D tables			F registerpagecloseaction
install	function		F registerpageopenaction
nodeinjections	table		F registersymbol
F restore			F setfieldcalculationset
F save			F setfigurealternative
F transform			F setfigurecolorspace
nothing	function		F setfiguremask
pdf	table		F setformat
T codeinjections			F setformsmethod
F addbookmarks			F setpagetransition
F attachmentid			F setupcanvas
F clonefield			F setupidentity
F definefield			F setxmpfile
F definefieldset			F startlayer
F defineviewerlayer			F stoplayer
F embedfile			F supportedformats
F enabletags			F unicodetoactualtext
F exportformdata			F useviewerlayer
F getbookmarks			F validfield
F getdefaultfieldvalue			F validfieldcategory
F getfieldcategory			F validfieldset
F getfieldset			S comment
F getformatoption			T nodeinjections
F gethpos			F addtags
F getmatrix			F annotation
F getoutputfilename			F attachfile
F getpos			F changestackedlayer
F getpreviewfigure			F cmykcolor
F getvpos			F comment
F hasmatrix			F destination

registrations   table
tables   table

bit (context)

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

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext   function
tonumber   function

buffers (context)

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

    F define

    F hassomecontent

    F next

    F place

    F reset

    F save

prepend	function
raw	function
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 oneline
  - D names
  - D numbers
  - F set
  - F start
  - F stop
- T expansion
  - F trace
- F keeptogether
- F registertogether
- T solutions
  - T splitters
  - F define
  - F optimize
  - T registered
  - F reset
  - F set
  - F split
  - F start
  - F stop
- F tag

vspacing   table

- F analyze
- D categories
- F collapsevbox
- T data
  - D map
  - D skip
  - D snapmethods
- F definesnapmethod
- B fixed
- F pagehandler
- F resetprevdepth
- F setmap
- F setskip
- F snapbox
- F tocategories
- F tocategory
- F vboxhandler

caches (context)

ask	boolean
base	string
collapsecontent	function
configfiles	function
contentstate	function
defaults	table
define	function
direct	boolean
force	boolean
getfirstreadablefile	function
getfirstreadablefile_TEST_ME_FIRST	function
getreadablepaths	function
getwritablepath	function
hashed	function
is_writable	function
loadcontent	function
loaddata	function
more	string
relocate	boolean
savecontent	function
savedata	function
setfirstwritablefile	function
setluanames	function
tree	string
treehash	function
usedpaths	function

callback (basic tex)

find   function
list   function
register overloaded function

callbacks (context)

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

catcodes (context)

names   data table
numbers   data table
register function

characters (context)

activeoffset	number	N	c
adobename	function	N	d
bidi	data table	N	e
blockrange	function	N	f
blocks	data table	N	g
casemap	table	N	h
categories	data table	N	i
category	function	N	j
categorytags	data table	N	k
collapsed	data table	N	l
combined	data table	N	m
contextname	function	N	n
csletters	table	N	o
N	A	N	p
N	B	N	q
N	C	N	r
N	D	N	s
N	E	N	t
N	F	N	u
N	G	N	v
N	H	N	w
N	I	N	x
N	J	N	y
N	K	N	z
N	L	N	ª
N	M	N	µ
N	N	N	º
N	O	N	À
N	P	N	Á
N	Q	N	Â
N	R	N	Ã
N	S	N	Ä
N	T	N	Å
N	U	N	Æ
N	V	N	Ç
N	W	N	È
N	X	N	É
N	Y	N	Ê
N	Z	N	Ë
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N	b	N	Í

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N	**data**	data table
N	**decomposed**	data table
N	**description**	function
N	**descriptions**	data table
N	**directions**	table
N	**enccodes**	data table
N	**entities**	data table
N	**fallbacks**	data table
N	**filters**	data table
N	**fromnumber**	function
N	**fschars**	data table
N	**fscodes**	data table
N	**getrange**	function
N	**graphemes**	data table
N	**hangul**	data table
N	**initialize**	function
N	**is_character**	data table
N	**is_command**	data table
N	**is_letter**	data table
N	**is_mark**	data table
N	**is_punctuation**	data table
N	**is_spacing**	data table
N	**lcchars**	data table
N	**lccode**	function
N	**lccodes**	data table
N	**lettered**	function
N	**lhash**	data table
N	**linebreaks**	table
N	S ai	
N	S al	
N	S b2	
N	S ba	
N	S bb	
N	S bk	
N	S cb	
N	S cj	
N	S cl	

S cm	
S cp	
S cr	
S ex	
S gl	
S h2	
S h3	
S hl	
S hy	
S id	
S in	
S is	
S jl	
S jt	
S jv	
S lf	
S nl	
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S pr	
S qu	
S ri	
S sa	
S sg	
S sp	
S sy	
S wj	
S xx	
S zw	

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

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

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

coroutine (basic lua)

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

ctxrunner (context)

load   function
prepfiles data table
resolve   function

debug (basic lua)

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

dir (context)

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

directives (context)

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

document (context)

arguments	data table
files	table
getargument	function
getfilename	function
options	table

   T commandline

     D environments

     D modes

     D modules

   T ctxfile

     D environments

     D modes

     D modules

setargument	function
setdefaultargument	function
setfilename	function
variables	data table

environment (context)

argument	function	**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
type	function

experiments (context)

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

figures (context)

applyratio	function		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	**setlookups**	function
identifiers	data table	**setorder**	function
identify	function	**setpaths**	function
images	table	**suffixes**	data table
		used	data table

   F boxes
   F check
   F checksize
   F clone
   F copy
   F immediatewrite
   F keys
   F new
   F node
   F ofindex
   F package
   F print
   F scan
   F serialize

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	function

fontloader (extra tex)

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

fonts (context)

analyzers   table
- T features
  - N blwf
  - N fina
  - N half
  - N init
  - N isol
  - N medi
  - N pref
  - N pstf
  - N rphf
- D initializers
- D methods
- F setstate
- T states
  - N blwf
  - N fina
  - N half
  - N init
  - N isol
  - N mark
  - N medi
  - N pref
  - N pstf
  - N rest
  - N rphf
- B useunicodemarks

checkers   table
- F getmissing
- F missing

cid   table
- F getmap
- F loadfile

collections   table
- F checkenabled
- F clonevector
- F define
- T definitions
- F prepare
- F process
- F registermain

F report
F reset
T vectors

constructors   table
- F addcoreunicodes
- F aftercopyingcharacters
- F applymanipulators
- F assignmathparameters
- B autocleanup
- F beforecopyingcharacters
- D cache
- B cacheintex
- F calculatescale
- F checkedfeatures
- F checkedfilename
- F checkvirtualids
- F cleanuptable
- F collectprocessors
- F currentfonthasfeature
- D designsizes
- D dontembed
- F enhanceparameters
- N factor
- F finalize
- F getfeatureaction
- F hashfeatures
- F hashinstance
- T hashmethods
  - F normal
  - F virtual
- F initializefeatures
- T keys
  - T character
    - S depth
    - S height
    - S italic
    - S width
  - T description
    - T boundingbox
    - S depth
    - S height

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

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

N Yicyrillic	N daletpatahhebrew
N Zdot	N daletqamats
N Zecyrillic	N daletqamatshebrew
N Zhecyrillic	N daletqubuts
N acutecmb	N daletqubutshebrew
N acyrillic	N daletsegol
N afii00208	N daletsegolhebrew
N afii08941	N daletsheva
N afii57694	N daletshevahebrew
N afii57695	N dalettsere
N afii57700	N dammaarabic
N afii57705	N dammatanaltonearabic
N afii57723	N dargahebrew
N alef	N dbllowline
N alefmaksurainitialarabic	N decimalseparatorarabic
N alefmaksuramedialarabic	N dialytikatonos
N approximatelyequal	N dotbelowcmb
N asteriskaltonearabic	N doubleyodpatah
N ayin	N doubleyodpatahhebrew
N bet	N edot
N betdagesh	N eightarabic
N blackdownpointingtriangle	N eighthnotebeamed
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F spotcolorparent	F subtractfeature
F spotcolorvalue	F synchronizemarking
F startchemical	F synonymmeaning
F startcolorset	F synonymname
F startcomponent	F systemlog
F startenvironment	F taggedmathfunction
F startfontsolution	F tan
F startproduct	F tand
F startproject	F textime
F startregime	F tochar
F startsectionlevel	F transparencycomponents
F starttag	F truefilename
F starttag_c	F type
F starttag_d	F typebuffer
F starttag_u	F typefile
F starttext	F uchexnumber
F startviewerlayer	F uchexnumbers
F stopchemical	F undefinechemical
F stopcolorset	F unit_normal
F stopcomponent	F unit_reverse

F unloadlanguage	F x_table_cleanup
F useMPlibrary	F x_table_construct
F useanyfile	F x_table_create
F useanyfileonce	F x_table_finish_row
F usecldfile	F x_table_flush
F usecldfileonce	F x_table_init_construct
F usecolors	F x_table_init_reflow_height
F usecomponent	F x_table_init_reflow_height_option
F useenvironment	F x_table_init_reflow_width
F usefigurebase	F x_table_init_reflow_width_option
F usefile	F x_table_next_row
F useluafile	F x_table_next_row_option
F useluafileonce	F x_table_r
F useluamodule	F x_table_reflow_height
F usemodules	F x_table_reflow_width
F usepath	F x_table_set_construct
F useproduct	F x_table_set_reflow_height
F useproject	F x_table_set_reflow_width
F usesubpath	F xmlafterdocumentsetup
F usetexfile	F xmlaftersetup
F usetexfileonce	F xmlall
F useurl	F xmlappenddocumentsetup
F usexmlfile	F xmlappendsetup
F usexmlfileonce	F xmlatt
F usezipfile	F xmlattdef
F utfchar	F xmlattribute
F utfmathclass	F xmlattributedef
F utfmathcommand	F xmlbeforedocumentsetup
F utfmathcommandabove	F xmlbeforesetup
F utfmathcommandbelow	F xmlchainatt
F utfmathcommandfiller	F xmlchainattdef
F utfmathfiller	F xmlchecknamespace
F utfmathstretch	F xmlcommand
F verbose	F xmlconcat
F vspacing	F xmlconcatrange
F vspacingcollapse	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 xmldoifelse	F xmlregisterns
F xmldoifelseempty	F xmlremapname
F xmldoifelseselfempty	F xmlremapnamespace
F xmldoifelsetext	F xmlremovedocumentsetup
F xmldoifempty	F xmlremovesetup
F xmldoifnot	F xmlresetdocumentsetups
F xmldoifnotempty	F xmlsave
F xmldoifnotselfempty	F xmlsetcommandtonone
F xmldoifnottext	F xmlsetcommandtotext
F xmldoifselfempty	F xmlsetentity
F xmldoiftext	F xmlsetfunction
F xmlelement	F xmlsetsetup
F xmlfilter	F xmlsnippet
F xmlfilterlist	F xmlstartraw
F xmlfirst	F xmlstarttiming
F xmlflush	F xmlstopraw
F xmlflushcontext	F xmlstoptiming
F xmlflushdocumentsetups	F xmlstrip
F xmlflushlinewise	F xmlstripanywhere
F xmlflushspacewise	F xmlstripnolines
F xmlfunction	F xmlstripped
F xmlgetindex	F xmlstrippednolines
F xmlinclude	F xmltag
F xmlincludeoptions	F xmltexentity
F xmlinclusion	F xmltext
F xmlinclusions	F xmltobuffer
F xmlindex	F xmltobufferverbose
F xmlinfo	F xmltofile
F xmlinlineverbatim	F xmltoparameters
F xmllast	F xmlverbatim
F xmlload	F xmlwithindex
F xmlloadbuffer	F year
F xmlloaddata	**setconstant** function
F xmlloaddirectives	**setcount** function
F xmlloadregistered	**setdimen** function
F xmlmain	**setelement** function
F xmlmatch	**setformat** function
F xmlname	**setmacro** function
F xmlnamespace	**setmessage** function
F xmlnonspace	**setmessages** function
F xmlpos	**settranslation** function
F xmlprependdocumentsetup	**setuserinterface** function
F xmlprependsetup	**setvalidkeys** function
F xmlraw	**setvariable** function

showmessage	function
storedscanners	data table
syntax	data table
tolist	function
translations	data table
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
util   table
   F funcbc
   F funcinfo
   F funck
   F funcuvname
   F ircalladdr
   F traceexitstub
   F traceinfo
   F traceir
   F tracek
   F tracemc
   F tracesnap
version   string
version_num number

job (context)

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

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

F region	
F replace	
F rightskip	
F set	
F setall	
F setdim	
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
hyphenate	function
hyphenation	function
id	function
new	function
patterns	function
postexhyphenchar	function
posthyphenchar	function
preexhyphenchar	function
prehyphenchar	function

languages (context)

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

layouts (context)

status table
    F isleftpage
    F leftorrightpagection

lfs (extra lua)

attributes	overloaded function
chdir	overloaded function
currentdir	function
dir	overloaded function
isdir	overloaded function
isfile	overloaded function
lock	function
lock_dir	overloaded function
mkdir	overloaded function
mkdirs	function
readlink	overloaded function
rmdir	overloaded function
setmode	overloaded function
shortname	overloaded function
symlinkattributes	overloaded function
touch	overloaded function
unlock	function

libraries (context)

basiclua data table
basictex data table
builtin data table
extralua data table
extratex data table
functions data table
globals data table

lmx (context)

color	function		**stripcss**	function
convert	function		**tv**	function
convertfile	function		**type**	function
convertstring	function		**urlescape**	function
einject	function		**variable**	function
eprint	function		**variables**	table
escape	function		S color-background-blue	
finalized	function		S color-background-body	
finject	function		S color-background-green	
fprint	function		S color-background-main	
get	function		S color-background-purple	
getvariables	function		S color-background-yellow	
htmfile	function		S title-default	
html	table			
F a				
F td				
F th				
include	function			
inherited	table			
S color-background-four				
S color-background-one				
S color-background-three				
S color-background-two				
S title				
initialize	function			
inject	function			
lmxfile	function			
loadedfile	function			
make	function			
new	function			
overloaderror	function			
popupfile	function			
print	function			
pv	function			
report	function			
reset	function			
result	function			
set	function			
show	function			
showdebuginfo	function			
showerror	function			

logs (context)

application	function		**simplelines**	function
categories	function		**start_page_number**	function
direct	function		**status**	function
disable	function		**stop_page_number**	function
enable	function		**subdirect**	function
exporters	table		**subreport**	function
extendbanner	function		**system**	function
flush	function		**texerrormessage**	function
help	function		**writer**	function
messenger	function			
new	function			
newline	function			
poptarget	function			
pushtarget	function			
report	function			
reportbanner	function			
reporter	function			
reporters	table			
F banner				
F export				
F help				
F info				
F lines				
F version				
reportline	function			
reportlines	function			
setformats	function			
setformatters	function			
setlogfile	function			
setmessenger	function			
setprocessor	function			
setprogram	function			
settarget	function			
settimedlog	function			
settranslations	function			
show	function			
show_close	function			
show_load	function			
show_open	function			
simple	function			
simpleline	function			

lpdf (context)

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

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

lpeg (basic lua)

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

ltn12 (extra lua)

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

lua (basic tex)

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

luatex (context)

cleanuptempfiles	function
registerstartactions	function
registerstopactions	function
registertempfile	function
starttime	number

lxml (context)

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

setcommandtotext	function
setsetup	function
snippet	function
sorters	table

    F add

    F compare

    F flush

    F reset

    F show

    F sort

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

mbox (context)

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

md5 (extra lua)

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

metapost (context)

analyzeplugins	function	**gettext**	function
checkformat	function	**graphic**	function
checktexts	function	**graphic_base_pass**	function
collapse	boolean	**initializescriptrunner**	function
colorinitializer	function	**instance**	function
convert	function	**intermediate**	table
defaultformat	string	T actions	
defaultinstance	string	F makempy	
defaultmethod	string	**lastlog**	string
directrun	function	**load**	function
edefsxsy	function	**makempy**	table
escaped	function	N nofconverted	
exectime	table	F processgraphics	
extensiondata	data table	F registerfile	
filterclippath	function	**maketext**	function
flush	function	**metafun**	table
flushers	table	F interpolate	
T pdf		F topath	
F comment		**method**	number
F flushfigure		**mptopdf**	table
F startfigure		F convertmpstopdf	
F stopfigure		N nofconverted	
F textfigure			
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
getstatistics	function	**scripterror**	function
		setextensions	function

setoutercolor	function
settext	function
showlog	boolean
svformat	function
tex	table

   F get

   F reset

   F set

   F setfrombuffer

texerrors	boolean
textextsdata	function
theclippath	function
totable	function
unload	function
untagvariable	function
variables	table

mime (extra lua)

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

mp (context)

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

mplib (extra tex)

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

newtoken (basic tex)

create	function
get_next	function
is_token	function
scan_code	function
scan_dimen	function
scan_glue	function
scan_int	function
scan_keyword	function
scan_string	function
scan_token	function
scan_toks	function
scan_word	function
set_macro	function
type	function

noads (context)

handlers   table
    F check
    F classes
    F collapse
    F families
    F italics
    F relocate
    F render
    F resize
    F showtree
    F tags
    F unscript
    F variants
process   function
processors table
    T collapse
    F mlist_to_hlist
    T relocate
    T render
    T resize
    T unscript

node (basic tex)

copy	function		F protect_glyphs	
copy_list	function		F protrusion_skippable	
count	function		F remove	
current_attr	function		F set_attribute	
dimensions	function		F set_properties_mode	
direct	table		F setbox	
F copy			F setfield	
F copy_list			F setproperty	
F count			F slide	
F current_attr			F tail	
F dimensions			F todirect	
F do_ligature_n			F tonode	
F end_of_math			F tostring	
F first_glyph			F traverse	
F flush_list			F traverse_id	
F flush_node			F unprotect_glyphs	
F flush_properties_table			F unset_attribute	
F free			F usedlist	
F get_properties_table			F vpack	
F getbox			F write	
F getchar			**do_ligature_n**	function
F getfield			**end_of_math**	function
F getfont			**family_font**	function
F getid			**fields**	function
F getleader			**first_character**	function
F getlist			**first_glyph**	function
F getnext			**flush_list**	function
F getprev			**flush_node**	function
F getproperty			**flush_properties_table**	function
F getsubtype			**free**	function
F has_attribute			**get_properties_table**	function
F has_field			**getchar**	function
F has_glyph			**getfield**	function
F hpack			**getfont**	function
F insert_after			**getid**	function
F insert_before			**getleader**	function
F is_direct			**getlist**	function
F is_node			**getnext**	function
F last_node			**getprev**	function
F length			**getproperty**	function
F new			**getsubtype**	function

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

nodes (context)

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

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

F is_display_math

F is_node

F is_nut

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 fontkern

  F glue

  F gluespec

  F glyph

  F hlist

  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 userstring

F usertokens

F vlist

F zeroglue

F prepend

F protect_glyphs

F protrusion_skippable

F reference

F remove

F repackhlist

F replace

F rightmarginwidth

F set_attribute

F setattr

F setattribute

F setattributes

F setbox

F setfield

F setprop

F setunsetattributes

F slide		N attribute	
F somepenalty		D data	
F somespace		F enable	
F tail		F handler	
F takebox		F register	
F tonode		D registered	
F tonodes		D values	
F tonut		F processor	
F tosequence		**points**	function
F tostring		**pool**	table
F tracedslide		F baselineskip	
F traverse		F cleanup	
F traverse_id		F glyph	
T typesetters		F kern	
F fast_hpack		F latelua	
F hpack		F lateluafunction	
F tohpack		F lineskip	
F tohpackfast		F pdfdirect	
F tonodes		F pdfliteral	
F tovpack		F pdfrestore	
F tovpackfast		F pdfsave	
F vpack		F pdfsetmatrix	
F unprotect_glyphs		F register	
F unset_attribute		F rule	
F unsetattribute		F special	
F unsetattributes		F usage	
F untracedslide		F usernumber	
F usedlist		**prepend**	function
F vianodes		**print**	function
F vianuts		**processors**	table
F vpack		B enabled	
F writable_spec		F hpack_filter	
F write		F post_linebreak_filter	
packlist	function	F pre_linebreak_filter	
pardir_is_equal	data table	F tracer	
pardir_is_opposite	data table	**processwords**	function
pardir_is_parallel	data table	**properties**	table
partextdir_is_equal	data table	T actions	
penaltycodes	data table	F delayed	
plugindata	table	F fdelayed	
F finalizer		F immediate	
F initializer		F attach	
S name		T data	
T namespace		F delayed	

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

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

number (context)

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

os (basic lua)

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

package (basic lua)

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

pagebuilders (context)

injections   table
    F flushafter
    F flushbefore
    F save

mixedcolumns   table
    F cleanup
    F finalize
    F getlist
    F getrest
    F getsplit
    F setsplit

pdf (basic tex)

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

pdfscanner (context)

scan function

physics (context)

units table
    F registerunit
    D tables

profiler (extra lua)

pause   function
resume function
start   function
stop   function

publications (context)

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

S author
S editor
S journal
S keywords
S number
S pages
S title
S volume
S year
T optional
T required
T sets
T author
T virtual
T book
S category
T extra
T fields
S address
S author
S edition
S editor
S keywords
S number
S publisher
S subtitle
S title
S volume
S year
T optional
T required
T sets
T author
T editionset
T virtual
T demo-a
S category
T extra
T fields
S author
S institution

S organization		B dirty	
S subtitle		T gskip	
S title		T kind	
S year		T list	
T optional		T system	
T required		T order	
T sets		**enhancers**	table
T author		F details	
T virtual		F order	
T demo-b		F suffixes	
S category		**finder**	function
T extra		**firstofrange**	function
T fields		**found**	function
S author		**get**	function
S institution		**getcasted**	function
S organization		**getdetail**	function
S subtitle		**getdirect**	function
S title		**getfaster**	function
S year		**getfield**	function
T optional		**getfuzzy**	function
T required		**getindex**	function
T sets		**inspectors**	data table
T authors		**journals**	table
T virtual		F abbreviated	
S comment		F add	
S copyright		F expanded	
T fields		F load	
S name		F save	
T types		**lastofrange**	function
S author		**lists**	table
S editor		F collectentries	
S keywords		F fetchentries	
S number		F filterall	
S page		F flushentry	
S pages		T methods	
S volume		F dataset	
S version		F force	
T virtual		F global	
datasets	table	F local	
detailed	table	F nofregistered	
endnotes_to_btx	function	F prepareentries	
enhancer	table	F register	
S arguments		F sameasprevious	
T askip		T sorters	

F	dataset		S	comment
F	default		S	copyright
F	reference		S	name
F	short		S	version
F	uservariable	**statistics**		table
listvariants	table	N	nofbytes
F	bib		N	nofdatasets
F	default		N	nofdefinitions
F	num		N	nofshortcuts
F	page	**tables**		table
F	short		D	implicits
F	yes		D	origins
load	function	D	privates
loadbibdata	function	D	sets
loaddefinitionfile	function	D	specials
loaders	table	D	types
F	bbl		D	virtuals
F	bib	**tags**		function
F	buffer	**tracers**		table
F	endnote		F	showdatasetauthors
F	lua		F	showdatasetcompleteness
F	refman		F	showdatasetfields
F	registercleaner		F	showentry
F	xml		F	showfields
loadreplacementfile	function	F	showtables
new	function	F	showvariants
okay	function	**typesetters**		table
oneorrange	function	F	author
parenttag	function	F	string
permitted	function	**usedataset**		function
refman_to_btx	function	**usedentries**		function
resolvedname	function	**writers**		table
save	function	F	author
search	function	F	keyword
setcategory	function	F	pagenumber
setspecification	function	F	range
singularorplural	function		
sortedentries	function		
sortmethods	table		
T	authoryear		
T	sequence		
specifications	table		
T	default		
S	author		

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		**registerfilehash**	function
F currentcomponent			**registerintrees**	function
F currentenvironment			**registermethod**	function
F currentproduct			**registerzipfile**	function
F currentproject			**relations**	data table
F justacomponent			**renew**	function
D processors			**repath**	function
F productcomponent			**reset**	function
F usefile			**resetextrapath**	function
joinpath	function		**resetresolve**	function
load	function		**resolve**	function
loadbinfile	function		**savers**	data table
loaders	data table		**scandata**	function
loadlualib	function		**scanfiles**	function
loadtexfile	function		**schemes**	table
loadtime	function		T cleaners	
locateformat	function		F md5	
locators	data table		F none	
luacnfname	string		F strip	
luacnfspec	string		F cleanname	
luacnfstate	string		F fetchstring	
macros	table		F fetchtable	
F convertfile			F install	
F decodecomment			**setdynamic**	function
F enablecomment			**setenv**	function
F encodecomment			**setinstance**	function
F preprocessed			**showpath**	function
F processmk			**simplescanfiles**	function
F processmkvi			**splitconfigurationpath**	function
F version			**splitexpansions**	function
maxreadlevel	number		**splitmethod**	function
methodhandler	function		**splitpath**	function
newinstance	function		**stackpath**	function
openbinfile	function		**suffixes**	data table
openers	data table		**suffixmap**	data table
openfile	function		**suffixofformat**	function
opentexfile	function		**texdatablob**	function
ownpath	string		**toppath**	function
poppath	function		**unexpandedpath**	function
prefixes	data table		**unexpandedpathlist**	function
prependhash	function		**unresolve**	function
pushpath	function		**updaterelations**	function
registerextrapath	function		**updatescript**	function
registerfile	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
_DEBUG	boolean
_SETSIZE	number
bind	function
choose	function
connect	function
connect4	function
connect6	function
dns	table

    F getaddrinfo
    F gethostname
    F getnameinfo
    F tohostname
    F toip

ftp	table

    S PASSWORD
    N PORT
    N TIMEOUT
    S USER
    F command
    F get
    F open
    F put

gettime	function
headers	table

    T canonic
      S accept
      S accept-charset
      S accept-encoding
      S accept-language
      S accept-ranges
      S action
      S age
      S allow
      S alternate-recipient
      S arrival-date
      S authorization
      S bcc
      S cache-control
      S cc
      S comments

S connection
S content-description
S content-disposition
S content-encoding
S content-id
S content-language
S content-length
S content-location
S content-md5
S content-range
S content-transfer-encoding
S content-type
S date
S diagnostic-code
S dsn-gateway
S etag
S expect
S expires
S final-log-id
S final-recipient
S from
S host
S if-match
S if-modified-since
S if-none-match
S if-range
S if-unmodified-since
S in-reply-to
S keywords
S last-attempt-date
S last-modified
S location
S max-forwards
S message-id
S mime-version
S original-envelope-id
S original-recipient
S pragma
S proxy-authenticate
S proxy-authorization
S range

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

http   table

- N PORT
- N TIMEOUT
- S USERAGENT
- F open
- F request

newtry   function
protect   function
select   function
sink   function

sinkt   table

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

skip   function
sleep   function
smtp   table

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

source   function
sourcet   table

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

tcp   function
tcp6   function
tp   table

- N TIMEOUT
- F connect

try   function
udp   function
udp6   function
url   table

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

sorters (context)

basicsorter   function
comparers   table
   F basic
constants   table
   S defaultdigits
   S defaultlanguage
   S defaultmethod
   N digitsmaximum
   N digitsoffset
   N ignoredoffset
   N replacementoffset
   T validmethods
     B ch
     B mc
     B mm
     B pc
     B pm
     B uc
     B zc
     B zm
definitions   data table
firstofsplit   function
setlanguage   function
sort   function
splitters   table
   F utf
strip   function
tracers   data table
update   function

statistics (context)

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

status (basic tex)

list function

storage (context)

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

structures (context)

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

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

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

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

F setnextorder	F setmethod
F setreferencerealpage	F sort
D specials	F store
F splitcomponent	D tobesaved
F splitprefix	F unique
F splitreference	F userdata
F synchronizepage	**sections** table
T testrunners	F autodepth
F inner	F cct
F special	D collected
F special operation	F current
F special operation with arguments	F currentblock
T testspecials	F currentid
F deltapage	F currentlevel
F i	F currentsectionindex
F internal	F depthnumber
F page	F finddata
F realpage	F findnumber
F section	F fullnumber
F userpage	F getcurrentlevel
D tobereferred	F getlevel
D tobesaved	F getnumber
T urls	F internalreference
T data	D levelmap
F define	D levels
F 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 setlevel

F	setnumber		F	registermetadata
F	structuredata		F	restart
F	title		F	setaspect
D	tobesaved		F	setattributehash
F	typesetnumber		F	setcombination
F	userdata		F	setdescription
B	verbose		F	setdescriptionsymbol
sets	**table**		F	setfigure
F	define		F	sethighlight
F	get		F	setitem
F	getall		F	setitemgroup
D	setlist		F	setlist
specials	**table**		F	setproperty
D	collected		F	setregister
F	retrieve		F	setsorting
F	store		F	setsynonym
D	tobesaved		F	settablecell
synonyms	**table**		F	settabulatecell
F	analyzed		F	setupexport
D	collected		F	setuserproperties
F	compare		D	specifications
F	define		F	start
F	filter		F	stop
F	finalize		D	taglist
F	flush			
F	meaning			
F	prepare			
F	process			
F	register			
F	registerused			
F	sort			
F	synonym			
D	tobesaved			
tags	**table**			
F	elementtag			
F	getid			
F	handler			
D	labels			
F	last			
F	lastinchain			
F	locatedtag			
T	patterns			
U	splitter			
D	properties			

table (basic lua)

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

tex (basic tex)

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

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

texconfig (basic tex)

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

texio (basic tex)

write   function
write_nl function

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
converters table

   S toboolean

   S todimen

   S toglue

   S tonumber

   S tostring

egroup userdata

getters table

   F box

   F count

   F dimen

   F token

hbox userdata
istoken function
letter function
letters function
other function
pickup function
printlist function
scanners table

   F boolean

   F code

   F count

   F dimen

   F dimension

   F glue

   F integer

   F keyword

   F lxmlid

   F number

   F scanclose

   F scanopen

   F skip

   F string

   F token

   F tokens

   F toks

   F word

scantable function
setters table

   F box

   F count

   F dimen

   F macro

shortcuts table

   T bits

     N active

     N alignment

N begingroup	F token
N character	F tokens
N close	F toks
N comment	F word
N endgroup	F scannumber
N endofline	F scanopen
N escape	F scanstring
N ignore	F scanword
N invalid	F toboolean
N letter	F todimen
N mathshift	T tokens
N open	F astable
N other	U bgroup
N parameter	T collectors
N space	F defaultwords
N subscript	F dowithwords
N superscript	F flush
N whitespace	F install
N close	F register
F inspect	F show
N open	F test
F report	F compile
F scanboolean	T converters
F scanclose	S toboolean
F scancode	S todimen
F scandimen	S toglue
F scandimension	S tonumber
F scaninteger	S tostring
F scankeyword	U egroup
T scanners	T getters
F boolean	F box
F code	F count
F count	F dimen
F dimen	F token
F dimension	U hbox
F glue	F istoken
F integer	F letter
F keyword	F letters
F lxmlid	F other
F number	F pickup
F scanclose	F printlist
F scanopen	F scantable
F skip	T setters
F string	F box

F count

     F dimen

     F macro

   T shortcuts

     N close

     F inspect

     N open

     F report

     F scanboolean

     F scanclose

     F scancode

     F scandimen

     F scandimension

     F scaninteger

     F scankeyword

     F scannumber

     F scanopen

     F scanstring

     F scanword

     F toboolean

     F todimen

     F tonumber

     F tostring

   U vbox

   U vtop

   F tonumber

   F tostring

vbox   userdata

vtop   userdata

tracers (context)

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

trackers (context)

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

typesetters (context)

alignments   table
   F handler
   F set
breakpoints   table
   F define
   F handler
   D mapping
   T methods
   T numbers
   F set
   F setreplacement
cases   table
   T actions
   F handler
   F register
   F set
characteralign   table
   F handler
   F resetcharacteralign
   F setcharacteralign
characters   table
   F handler
   F replacenbsp
   F replacenbspaces
checkers   table
   F handler
   F reset
   F set
cleaners   table
   F handler
   F set
digits   table
   T actions
   F handler
   F set
directions   table
   F getfences
   F getglobal
   F getmethod
   F handler
   T handlers

F installhandler
F processmath
F set
F setcolor
F setmath
F tomode
firstlines   table
   T actions
     F default
     F line
     F word
   F handler
   F set
initials   table
   T actions
     F default
   F handler
   F set
injectors   table
   F check
   T list
   F mark
   F reset
   F set
   F show
italics   table
   F forcevariant
   F handler
   F reset
   F set
kerns   table
   D factors
   F handler
   F keepligature
   B keeptogether
   D mapping
   F set
manipulators   table
   F apply
   F applyspecification
   T methods

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

margins   table

    F finalhandler
    F globalhandler
    F ha
    F localhandler
    F save

marksuspects   function

processors   table

    F apply
    F register
    F reset
    F split
    F startapply
    F stopapply
    F stripped
    F tostring

showsuspects   function

spacings   table

    F define
    F handler
    D mapping
    T numbers
      T frenchpunctuation
        T characters
        S name
        N number
    F reset
    F set
    F setup

wrappers   table

    F handler

xtables   table

    F cleanup

unicode (extra lua)

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

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

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

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

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

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

url (context)

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

utilities (context)

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

formatters   table
- F formatcolumns
- F list
- F stripzeros

garbagecollector   table
- F check
- N criterium
- B enabled

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

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

- N version

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

report   function

sequencers   table
- F appendaction
- F appendgroup

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

F	prependaction		
F	prependgroup	**tables**	table
F	removeaction	F	accesstable
F	replaceaction	F	definedtable
F	setkind	F	definetable
F	tostring	F	encapsulate

setters	table	F	insertaftervalue
F	disable	F	insertbeforevalue
F	enable	F	migratetable
F	initialize	F	removevalue
F	list	F	replacevalue
F	new		
F	register	**templates**	table
F	report	F	load
F	reset	F	replace
F	show	F	replacer
		F	resolve

stacker	table
F	new

storage	table
F	allocate
F	checked
F	mark
F	marked
F	setinitializer
F	sparse

strings	table
F	collapsecrlf
T	formatters
F	add
F	new
F	newrepeater
F	nice
T	striplinepatterns
U	collapse
U	prune

vf (context)

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

visualizers (context)

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

xml (context)

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

first	function
found	function
functions	table
getbuffer	function
gethandlers	function
gethandlersfunction	function
helpers	table

include	function
inclusion	function
inclusions	function
index	function
inheritedconvert	function
inject	function
~~**inject_element**~~	~~function~~
~~**inject_element_after**~~	~~function~~
~~**inject_element_before**~~	~~function~~
injectafter	function
injectbefore	function
insert	function
insert_element	function
~~**insert_element_after**~~	~~function~~
~~**insert_element_before**~~	~~function~~
insertafter	function
insertbefore	function
insertcdata	function
insertcomment	function
inspect	function
is_valid	function
kind	function
last	function
load	function
lpath	function
lpathcached	function
lpathcalls	function
lshow	function
makestandalone	function

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

zip (extra lua)

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

zlib (extra lua)

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