

callbacks calcodes 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

ConT_EXt MkIV

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

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

N attribute	U none
D data	F popset
F enable	F processcolorcomponents
F handler	F pushset
F register	F register
D registered	D registered
colors	F registerspotcolor
N attribute	F rgb
F cmyk	F rgbtocmyk
F cmyktogray	F rgbtorgay
F cmyktorgb	F rgbtohsv
F colorcomponents	N selector
B couple	F setlist
D data	F setmodel
N default	F setpagecolormodel
F defineintermediatecolor	D sets
F definemultitonecolor	F spec
F defineprocesscolor	F spot
F definesimplegray	F spotcolorname
F definespotcolor	F spotcolorparent
F definetransparency	F spotcolorvalue
F enable	B supported
F filter	F transparencycomponents
F forcedmodel	B triggering
F forcesupport	F usecolors
F formatcolor	F value
F formatgray	D values
F getpagecolormodel	B weightgray
F gray	define
F graytohsv	effects
F handler	N attribute
F hsvtorgay	D data
F hsvtorgb	F enable
F iccprofile	F handler
F isblack	F register
N main	D registered
S model	D values
D models	handlers
F mpcolor	list
F mpnamedcolor	names
	function
	table
	data tabl
	data tabl

F register
 D registered
 F set
numbers data table
ofnode function
private function
public function
restore function
save function
showcurrent function
states table
 F disabletriggering
 F enabletriggering
 F finalize
 F initialize
 F process
 F selective
 F stacked
 F stacker
system function
transparencies table
 N attribute
 D data
 F enable
 F forcesupport
 F handler
 U none
 F register
 D registered
 B supported
 B triggering
 F value
 D values
unsetvalue number
viewerlayers table
 N attribute
 F cleanup
 D data
 F define

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

current string

defaults table

T codeinjections

F gethpos

F getmatrix

F getpos

F getvpos

F hasmatrix

T nodeinjections

T registrations

D tables

install function

nodeinjections table

F restore

F save

F transform

nothing function

pdf table

T codeinjections

F addbookmarks

F attachmentid

F clonefield

F definefield

F definefieldset

F defineviewerlayer

F embedfile

F enabletags

F exportformdata

F getbookmarks

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F gethpos

F getmatrix

F getoutputfilename

F getpos

F getpreviewfigure

F getvpos

F hasmatrix

F mergebookmarks

F mergereferences

F mergeviewerlayers

F prerollreference

F presetsymbol

F presetsymbollist

F processrendering

F registerdocumentcloseaction

F registerdocumentopenaction

F registeredsymbol

F registerpagecloseaction

F registerpageopenaction

F registersymbol

F setfieldcalculationset

F setfigurealternative

F setfigurecolorspace

F setfiguremask

F setformat

F setformsmethod

F setpagetransition

F setupcanvas

F setupidentity

F setxmppfile

F startlayer

F stoplayer

F supportedformats

F unicodetoactualtext

F useviewerlayer

F validfield

F validfieldcategory

F validfieldset

S comment

T nodeinjections

F addtags

F annotation

F attachfile

F changestackedlayer

F cmykcolor

F comment

F destination

- F insertswf
- F insertu3d
- F knockout
- F negative
- F overprint
- F positive
- F reference
- F rgbcolor
- F spotcolor
- F startlayer
- F startstackedlayer
- F stoplayer
- F stopstackedlayer
- F transparency
- F typesetfield
- T registrations
 - F cmykindexcolor
 - F cmykspotcolor
 - F getspotcolorreference
 - F grayindexcolor
 - F grayspotcolor
 - F rgbindexcolor
 - F rgbspotcolor
 - F spotcolorname
 - F transparency
- T tables
 - D vfspecials

registrations	table
tables	table

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

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

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

- F hyphenation
- F kerning
- F ligaturing
- F mlist_to_hlist
- T originals
 - F hyphenate
 - F kerning
 - F ligaturing

paragraphs table

- T constructors
 - N attribute
 - F define
 - F disable
 - F enable
 - F handler
- T methods
 - F basic
 - F default
 - F hpack
 - F oneline
- D names
- D numbers
- F set
- F start
- F stop
- T expansion
 - F trace
- F kepttogether
- F registertogether
- T solutions
 - T splitters
 - F define
 - F optimize
 - T registered
 - F reset
 - F set
 - F split
 - F start
 - F stop
- F tag

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

vspacing table

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

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
treeshash	function
usedpaths	function

list function
register overloaded function

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

numbers data table
register function

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

otfscripts	data table
ranges	data table
registerentities	function
remap_hangul_syllable	function
setactivecatcodes	function
setlettercatcodes	function
shape	function
shaped	function
shash	data table
shchars	data table
shcodes	data table
showstring	function
specialchars	data table
specials	data table
splits	table
T char	
T compat	
subscripts	table
superscripts	table
synonyms	data table
tex	table
D accentmapping	
D commandmapping	
F defineaccents	
F safechar	
F toutf	
F toutfpattern	
textclasses	table
tonumber	function
ucchars	data table
uccode	function
uccodes	data table
uhash	data table
unicodechar	function
upper	function

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

content	function
define	function
is_usable	function
is_valid	function
read	function
usecache	boolean
write	function

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

resume	function
running	function
status	function
wrap	function
yield	function

prepareelite	function
prepfiles	data table
resolve	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

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

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

files	table
getargument	function
getfilename	function
options	table
T cmdline	
D environments	
D modes	
D modules	
T ctxfile	
D environments	
D modes	
D modules	
setargument	function
setcommandline	function
setdefaultargument	function
setenvironments	function
setfilename	function
setfilenames	function
setmodes	function
setmodules	function
variables	data table

arguments	data table	texmfros	s
basicengines	data table	texos	s
currentrun	number	texroot	s
default_texmfcnf	string	truefilename	f
definefilefallback	function	uselua module	f
definefilesynonym	function	usemodules	f
engineflags	data table	validengines	d
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		

Attribute	function
AttributeOwner_Type	function
Attribute_Type	function
Dict	function
Object	function
PDFRectangle	function
StructElement_Type	function
open	overloaded function
type	function

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

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
exists	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
F boxes		used	data table
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			

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

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

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

I features	F registermain	
N blwf	F report	
N fina	F reset	
N half	T vectors	
N init	constructors	table
N isol	F addcoreunicodes	
N medi	F aftercopyingcharacters	
N pref	F applymanipulators	
N pstf	F assignmathparameters	
N rphf	B autocleanup	
D initializers	F beforecopyingcharacters	
D methods	D cache	
F setstate	B cacheintex	
T states	F calculatescale	
N blwf	F checkedfeatures	
N fina	F checkedfilename	
N half	F checkvirtualids	
N init	F cleanupable	
N isol	F collectprocessors	
N mark	F currentfonthasfeature	
N medi	D designsizes	
N pref	D dontembed	
N pstf	F enhanceparameters	
N rest	N factor	
N rphf	F finalize	
B useunicodemarks	F getfeatureaction	
checkers	F hashfeatures	
F getmissing	F hashinstance	
F missing	T hashmethods	
F placeholder	F normal	
cid	F virtual	
F getmap	F initializefeatures	
F loadfile	T keys	
collections	T character	
F checkenabled	S depth	
F clonevector	S height	
F define	S italic	
T definitions	S width	
F found	T description	
F prepare	T boundingbox	

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 defaultlookup		N Gcedilla
F define		N Gdot
F getspecification		N Gecyrillic
F internal		N Gheupturncyrillic
F loadfont		N Gjecyrillic
F makespecification		N Hardsigncyrillic
T methods		N IAcyrillic
F install		N IUcyrillic
D variants		N Icyrillic
F read		N Idot
F register		N Iecyrillic
F registered		N Iicyrillic
F registersplit		N Iishortcyrillic
F resetnullfont		N Iocyrillic
F resolve		N Izhitsacyrillic
T resolvers		N Jecyrillic
F file		N Kacyrillic
F name		N Kcedilla
F spec		N Khacyrillic
defintypeface	function	N Kjecyrillic
encodings	table	N Lcedilla
T agl		N Ljecyrillic
D ctxcodes		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 Tshacyrillic
N Efcyrillic		N Ucyrillic
N Elcyrillic		N Udblacute
N Emcyrillic		N Ushortcyrillic

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
N blackleftpointingpointer	N etnahtafoukhhebrew
N blackrectangle	N etnahtafoukhlefthebrew
N blackrightpointingpointer	N etnahtahebrew
N blacksmilingface	N fathaarabic
N blacksquare	N finalkaf
N blackuppointingtriangle	N finalkafdagesh
N bulletinverse	N finalkafhebrew
N cdot	N finalkafqamats
N compass	N finalkafqamatshebrew
N dagesh	N finalkafsheva
N dalet	N finalmem
N daletdagesh	N finalnun
N dalethatafpatah	N finalpe
N dalethatafpatahhebrew	N finaltsadi
N dalethatafsegol	N fivearabic
N dalethatafsegolhebrew	N forall
N dalethebrew	N fourarabic
N dalethiriq	N gcedilla
N dalethiriqhebrew	N gdot

N hamzadammaarabic	N holamnarrowhebrew
N hamzadammatanarabic	N holamquarterhebrew
N hamzafathaarabic	N ilde
N hamzafathatanarabic	N integralbottom
N hamzalowarabic	N integraltop
N hamzalowkasraarabic	N kaf
N hamzalowkasratanarabic	N kafdagesh
N hatafpatah	N kashidaautoarabic
N hatafpatah16	N kashidaautosidebearing
N hatafpatah23	N kcedilla
N hatafpatah2f	N lamed
N hatafpatahhebrew	N lameddagesh
N hatafpatahnarrowhebrew	N lamedhebrew
N hatafpatahquarterhebrew	N lamedholam
N hatafqamats	N lamedholamdagesh
N hatafqamats1b	N lamedholamdageshhebrew
N hatafqamats28	N laminitialarabic
N hatafqamats34	N lammeemjeeminitialarabic
N hatafqamatshebrew	N lcedilla
N hatafqamatsnarrowhebrew	N logicalnotreversed
N hatafqamatsquarterhebrew	N mahapakhhebrew
N hatafsegol	N mem
N hatafsegol17	N memdagesh
N hatafsegol24	N merkhahebrew
N hatafsegol30	N merkhakefulahebrew
N hatafsegolhebrew	N middot
N hatafsegolnarrowhebrew	N munahhebrew
N hatafsegolquarterhebrew	N nbspace
N he	N ncedilla
N hedagesh	N newsheqelsign
N hehfinalaluttoarabic	N ninearabic
N het	N noonhehinitialarabic
N hiriq	N nun
N hiriq14	N nundagesh
N hiriq21	N odblacute
N hiriq2d	N onearabic
N hiriqhebrew	N overscore
N hiriqnarrowhebrew	N patah
N hiriqquarterhebrew	N patah11

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

N sheva22	N zayindagesh	
N sheva2e	N zdot	
N shevahebrew	N zeroarabic	
N shevanarrowhebrew	D unicodes	
N shevaquarterhebrew	D cache	
N shin	F is_known	
N shindagesh	D known	
N shindageshshindot	F load	
N shindageshsindot	F make_unicode_vector	
N shinshindot	D math	
N shinsindot	N version	
N siluqhebrew	expansions	data table
N sixarabic	formats	data table
N tav	getalternate	function
N tavadages	getdiscexpansion	function
N tavadagesh	getkern	function
N tcedilla	getmultiple	function
N tchehinitialarabic	getsubstitution	function
N tet	getters	table
N tetdagesh	T alternate	
N tevirhebrew	F opentype	
N thousandsseparatorarabic	T kern	
N threearabic	F opentype	
N tildecmb	F type1	
N tipehahebrew	T multiple	
N tsadi	F opentype	
N tsadidagesh	T substitution	
N tsere	F opentype	
N tsere12	goodies	table
N tsere1e	D colorschemes	
N tsere2b	D data	
N tserehebrew	D designsizes	
N tserenarrowhebrew	D filenames	
N tserequarterhebrew	F getcompositions	
N twoarabic	T list	
N udblacute	F compositions	
N vav	F designsizes	
N vavdagesh	F expansions	
N vavdagesh65	F featureset	

- F treatments
- F typefaces
- F load
- F prepare_features
- F register
- F registerpostprocessor
- F report

handlers table

- T afm
 - B addkerns
 - B addligatures
 - B addtexligatures
 - B autoprefixed
 - D cache
 - D features
 - F getkern
- T helpdata
 - D bothkerned
 - D leftkerned
 - D ligatures
 - D rightkerned
 - D texligatures
- F load
- F setfeatures
- B syncspace
- N version
- T otf
 - F addfeature
 - D cache
- T chainhandlers
 - F normal
 - F verbose
- F collectlookups
- T coverup
 - T actions
 - F alternate
 - F kern
 - F ligature
 - F multiple

- S defaultbasealternate
- S defaultnodealternate
- D enhancers
- D features
- F fileformat
- F getalternate
- F getgsub
- F getkern
- F getmultiple
- F getsubstitution
- T glists
- T handlers
 - F devanagari_remove_joiner
 - F devanagari_reorder_matra
 - F devanagari_reorder_pre_t
 - F devanagari_reorder_reph
 - F gpos_context
 - F gpos_contextchain
 - F gpos_cursive
 - F gpos_mark2base
 - F gpos_mark2ligature
 - F gpos_mark2mark
 - F gpos_pair
 - F gpos_single
 - F gsub_alternate
 - F gsub_context
 - F gsub_contextchain
 - F gsub_ligature
 - F gsub_multiple
 - F gsub_reversecontextchain
 - F gsub_single
- F load
- F packoutlines
- T readers
 - F addunicodetable
 - D cache
 - F cff
 - F checkhash
 - F cmap

F gpos	N version	
F gsub	F scriptandlanguage	
F head	F setcontextchain	
F hhea	F setdynamics	
F hmtx	F setfeatures	
F kern	T statistics	
F loadfont	D usedfeatures	
F loadshapes	T tables	
F loca	D baselines	
F math	D features	
F maxp	D languages	
F name	D scripts	
F os/2	F unpackoutlines	
F pack	N version	
F post	T pfb	
F rehash	T tfm	
T streamreader	D features	
F close	F setfeatures	
F getposition	N version	
F look	T vf	
F open	T combinations	
F read2dot14	F combine	
F readbyte	T combiner	
F readbytes	D commands	
F readcardinal	D helpers	
F readcardinal1	D math	
F readcardinal2	D predefined	
F readcardinal3	N version	
F readcardinal4	D whatever	
F readchar	hashes	table
F readfixed4	D characters	
F readinteger	D csnames	
F readinteger1	D descriptions	
F readinteger2	D dynamics	
F readinteger4	D emwidths	
F readstring	D exheights	
F readtag	D extensibles	
F setposition	D features	
F size	D identifiers	

D parameters		F loadline	
T processes		F makenameparser	
D properties		D overloads	
D quads		F reset	
D resources		F tounicode	
T setdynamics		F tounicode16	
T shapes		F tounicode16sequence	
D spaces		metapost	table
D spacings		F boundingbox	
D unicates		F boxtomp	
D variants		F draw	
D xheights		F fill	
helpers	table	F maxbounds	
F addprivate		F output	
F dimenfactor		F paths	
F expandglyph		F widthline	
F fontpatternhassize		F zeroline	
F getdigitwidth		mp	table
F getparameters		D cache	
F getprivatenode		B inline	
F hasprivate		N version	
F indextoslot		names	data ta
F name		nulldata	data ta
F nametoslot		protrusions	data ta
F setdigitwidth		readers	table
F splitfontpattern		F afm	
F tochar		F check_lua	
infofont	function	F check_tfm	
iterators	table	F dfont	
F characters		F lua	
F descriptions		F opentype	
F glyphs		F otf	
loggers	table	F pfb	
F add_placeholders		D sequence	
D category_to_placeholder		F tfm	
F format		F ttc	
F onetimemessage		F ttf	
F register		select	table
F reportdefinedfonts		T data	

- F default
- F features
- F file
- F goodies
- F name
- F selectfont
- F simplefonts
- F spec
- F style
- F registerfallback
- F searchfiles
- setdiscexpansion** function
- specifiers** table
 - D contextmerged
 - F contextnumber
 - D contextnumbers
 - D contextsetups
 - F contexttostring
 - F definecontext
 - F mergecontext
 - F presetcontext
 - F registercontext
 - F showcontext
 - F splitcontext
 - D synonyms
 - D variants
- symbols** table
 - F uselibrary
- tables** table
- tracers** table
- treatments** table
 - F applyfixes
 - D data
 - S filename
 - F ignoredfile
 - F report
 - F trace
- typefaces** data table

F calculatemultipar
F fetchmultipar
F pair
F path
F point

lines	function
load	function
open	function
save	function
suffix	function

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

jquery table

- F clone
- F define
- F defineset
- F insert

general table

- F getidentity
- F setupidentity

help table

- F collect
- F reference
- F register

javascripts table

- F addtopreamble
- F code
- D codes
- F flushpreambles
- D functions
- D preambles
- F setpreamble
- F storecode
- F storepreamble
- F usepreamblenow
- F usescripts

linkedlists data table

pages table

- F setpagetransition
- F setupcanvas

references table

- F setcloseddocument
- F setclosepage
- F setopendocument
- F setopenpage

renderings data table

soundclips data table

cachedsetups	data table	F MPrest
cachesetup	function	F MPrs
checkedspecification	function	F MPul
complete	data table	F MPur
constants	data table	F MPw
corenamespaces	data table	F MPx
definecommand	function	F MPxy
doifelsemessage	function	F MPxywhd
elements	data table	F MPy
formats	data table	F Romannumerals
getcheckedparameters	function	F abjadnodotnumerals
getmessage	function	F abjadnumerals
hashedsetups	data table	F addcounter
implement	function	F addfeature
interfacedcommand	function	F addgrapheme
interfaces	table	F addlinklistelement
invalidkey	function	F addreplacements
is_command	function	F addtojavascriptpreamble
message	function	F addtolist
namespaces	table	F addvalidinterfacekeys
F define		F allinputpaths
F list		F alphabetic
registernamespace	function	F analysefloatmethod
scanners	table	F analyzeitemgroup
F Alphabetic		F analyzelist
F Character		F analyzeregister
F Characters		F applytobox
F MPLIBconvertoutlinetext		F applytofirstcharacter
F MPc		F assignbuffer
F MPd		F autofinishstructurelevels
F MPH		F autonextspace
F MPll		F autonextstructurelevel
F MPLr		F autosetups
F MPLs		F autostarttext
F MPn		F autostoptext
F MPp		F averagecharwidth
F MPpardata		F bitmapimage
F MPplus		F boxtostring
F MPpos		F bposcolumn
F MPposset		F bposcolumnregistered

F btxauthorregister	F btxsingularorplural
F btxcollectlistentries	F btxtoregister
F btxcurrentfirstnames	F btxusedataset
F btxcurrentinitials	F btxuservariable
F btxcurrentjuniors	F buildtextaccent
F btxcurrentsurnames	F character
F btxcurrentvons	F characters
F btxdetail	F chardescription
F btxdirect	F checkcountersetup
F btxdoif	F checkedconversion
F btxdoifelse	F checkedpagefloat
F btxdoifelsecombiinlist	F checkinjector
F btxdoifelsesameasprevious	F checkinterfacechain
F btxdoifelseuservariable	F checknextinjector
F btxdoifnot	F checkpreviousinjector
F btxexpandedjournal	F checktwopassdata
F btxfetchlistentries	F chemicalcomponent
F btxfield	F chinesenumerals
F btxfieldname	F cleanfontname
F btxfieldtype	F cleanupbox
F btxfirstofrange	F cleanuplayers
F btxflush	F clonefield
F btxflushlistcombi	F collectfloat
F btxflushlistentry	F collecthelp
F btxflushmarked	F colorcomponents
F btxflushpages	F concatcommalist
F btxfoundname	F consultfloat
F btxfoundtype	F convertbtxdatasettoxml
F btxhandlecite	F converteddimen
F btxhandlenocite	F converttmpstopdf
F btxlastofrange	F copyposition
F btxlistvariant	F cos
F btxloaddefinitionfile	F cosd
F btxloadjournallist	F countervalue
F btxloadreplacementfile	F counttwopassdata
F btxoneorrange	F currentcomponent
F btxpreparelistentries	F currentdate
F btxremapauthor	F currentdesignsize
F btxsavedataset	F currentenvironment

F currentsectiontolist
F datasetvariable
F dayname
F decimals
F decrementcounter
F decrementedcounter
F decrementsubcounter
F defineaccents
F defineattribute
F definebreakpoint
F definebreakpoints
F definecharacterspacing
F definechemical
F defineconversion
F definecounter
F definedlayoutcomponent
F definefallbackfamily
F definefield
F definefieldset
F definefilefallback
F definefilesynonym
F definefont_one
F definefont_two
F definefontfamily
F definefontfeature
F definefontsolution
F definehyphenationfeatures
F defineinsertion
F defineintermediatecolor
F definelabels
F definelanguage
F definelinkedlist
F definemarking
F definemetafont
F definemultitonecolorglobal
F definenamespace
F definenote
F defineparallel
F defineparbuilder

F defineregister
F definerule
F definesectionlevels
F defineselectfont
F defineshift
F definesnapmethod
F definespotcolorglobal
F definestructureblock
F definestructureset
F definetransparency
F definetwopasslist
F definetypeface
F defineviewerlayer
F depthnumber
F digits_normal
F digits_reverse
F disableautofontscript
F disabledirectives
F disableexperiments
F disablejobsave
F disableparbuilder
F disableregime
F disablespellchecking
F disablestatetriggering
F disablestream
F disabletrackers
F discardfromlist
F doanalyzeframedbox
F doifcounter
F doifelseblack
F doifelsebuffer
F doifelsecharinfont
F doifelsecommon
F doifelsecontinewithfile
F doifelseconverter
F doifelsecounter
F doifelsecurrentfonthasfeatu
F doifelsedrawingblack
F doifelsefieldcategory

F doifelseinputfile	F dosavepositionplus
F doifelseinset	F dosavepositionwhd
F doifelseintwopassdata	F dosetposition
F doifelseleapyear	F dosetpositionbox
F doifelselisthasentry	F dosetpositionplus
F doifelselisthasnumber	F dosetpositionstrut
F doifelselisthaspage	F dosetpositionwhd
F doifelselisthastitle	F dostarttextfile
F doifelselocfile	F dostoptextfile
F doifelsemarking	F elapsedtime
F doifelsemessage	F enableasciimode
F doifelseobjectreferencefound	F enableautofences
F doifelseolderversion	F enableautofontscript
F doifelseoverlapping	F enablebackgroundalign
F doifelseparallel	F enablebackgroundboxes
F doifelseparentfile	F enablecolor
F doifelsepathexist	F enablecolorintents
F doifelseposition	F enablecrlf
F doifelsepositiononpage	F enabledirectives
F doifelsepositionsonsamepage	F enableexperiments
F doifelsepositionsonthispage	F enablefontcolor schemes
F doifelsepositionsused	F enableinteraction
F doifelserangeonpage	F enableparbuilder
F doifelserreference	F enableregime
F doifelsesame	F enablerules
F doifelsestackedfloats	F enableshifts
F doifelsesynonymshown	F enablespellchecking
F doifelsesynonymused	F enablestatetriggering
F doifelseurldefined	F enablestream
F doifelseutfmathabove	F enabletrackers
F doifelseutfmathaccent	F enabletransparency
F doifelseutfmathbelow	F enableutf
F doifelseutfmathfiller	F enhancelinkedlist
F doifelsevisualizer	F enhancelist
F doiffieldsetelse	F enhancereference
F doifnotcounter	F enhanceregister
F doifnotecontent	F eposcolumn
F doifnoteonsamepageasprevious	F eposcolumnregistered
F doifnotsame	F erasebuffer

F extensiblecode
F featureattribute
F featurelist
F feedback
F fetchallmarks
F fetchmultipar
F fetchmultishape
F fetchonemark
F fetchposboxes
F fetchtwomarks
F figure_check
F figure_done
F figure_dummy
F figure_identify
F figure_include
F figure_mergegoodies
F figure_pop
F figure_push
F figure_reset
F figure_scale
F figurefilename
F figurefilepath
F figurefiletype
F figurerequest
F figurestatus
F figureused
F filterdefaultreference
F filterreference
F finalizebox
F findtwopassdata
F finishexport
F firstcountervalue
F firstinset
F firstsubcountervalue
F flushfloat
F flushlabeledfloat
F flushnotes
F flushpageinjectionsafter
F flushpageinjectionsbefore

F fontcharbyindex
F fontcollectionclone
F fontcollectiondefine
F fontcollectionprepare
F fontcollectionregister
F fontcollectionreport
F fontcollectionreset
F fontlookupgetkey
F fontlookupgetkeyofindex
F fontlookupinitialize
F fontlookupnofound
F forceendjob
F forcequitjob
F formatcolor
F formatgray
F from
F getbidimode
F getbodyfontsizes
F getbuffer
F getbufferctxlua
F getbuffermkvi
F getcheckedinterfaceparameter
F getcurrentprefixspec
F getcurrentreferencemetadata
F getdefaultfieldvalue
F getdocumentargument
F getdocumentfilename
F getelementtag
F getfieldcategory
F getfile
F getfirstcharacter
F getfirsttwopassdata
F getfloatvariable
F getfullstructurenumber
F getinternallistreference
F getlasttwopassdata
F getmarking
F getmathdomain
F getmathitalics

F getprivatechar	F insertattachment
F getprogram	F insertcomment
F getrandomdimen	F insertfield
F getrandomfloat	F insertionnumber
F getrandomnumber	F insertrenderingwindow
F getrandomseed	F installedlanguages
F getreadfilename	F installtexdirective
F getsomefullstructurenumber	F installtextracker
F getsomestructurenumber	F jobfilename
F getspecificstructuretitle	F jobfilesuffix
F getstructurelevel	F languagenumber
F getstructurenumber	F lastcountervalue
F getsubstring	F lastsubcountervalue
F gettexbuffer	F lchexnumber
F gettwopassdata	F lchexnumbers
F gettwopassdatalist	F leapyear
F geturl	F linenumbersstageone
F getvisual	F linenumbersstagetwo
F hboxtovbox	F listgroupindex
F helpaction	F listlabel
F helpreference	F listlocation
F hexstringtonumber	F listnamespaces
F horizontalcode	F listprefixednumber
F hour	F listprefixedpage
F hyphenatedlist	F listrealpage
F hyphenatedurl	F listsize
F immediatemessage	F listtitle
F incrementcounter	F listuserdata
F incrementedcounter	F loadexamodes
F incrementsubcounter	F loadfontgoodies
F initializejob	F loadluamodule
F initializemathdomain	F loadmapfile
F initializemathitalics	F loadmapline
F initializestream	F loadspellchecklist
F initializetexdirectives	F loadtypescriptfile
F initializetextrackers	F loadvisualizer
F injectcurrentreference	F locatefilepath
F injectcurrentreferencehtdp	F locfilename
F injectreference	F lower

F lpdf_addpageresources
F lpdf_addpagesattributes
F lpdf_addtocatalog
F lpdf_addtoinfo
F lpdf_addtonames
F lpdf_collectedresources
F lpdf_color
F luascript
F luathread
F lxmlid
F markcontent
F markingnumber
F markingtitle
F markinjector
F markregionbox
F markregionboxcorrected
F markregionboxtagged
F markvisualfonts
F mathfraction
F mathrenderset
F message
F metapostescaped
F metapostformatted
F metapostgraphformat
F minute
F mixcleanup
F mixfinalize
F mixflushlist
F mixflushrest
F mixgetsplit
F mixsetsplit
F mixstate
F molecule
F month
F monthmnm
F monthname
F mpcolor
F mpflushliteral
F mpflushreset

F mprunvar
F mpsetclippath
F mpsetoutercolor
F mpsetsxsy
F mpsettext
F mptexget
F mptexreset
F mptexset
F mptexsetfrombuffer
F namedstructureuservariable
F namedstructurevariable
F naturalwd
F nbfs
F nextcountervalue
F nextparallel
F nextsubcountervalue
F nofdays
F nofstackedfloats
F notedeltapage
F notelistindex
F notenumberpage
F noteprefixednumber
F notesymbolpage
F notetitle
F ntimes
F number
F numbers
F objectnumber
F objectpage
F octnumber
F octstringtonumber
F operatingsystem
F ordinal
F outputfilename
F overloadbookmark
F overloaderror
F pagestaterealpage
F parpos
F pdfrotation

F pdfstopmirroring
F pdfstoprotation
F pdfstopscaling
F percentageof
F pgfxcolorspec
F pickupbuffer
F pickupmarkedcontent
F pickuppunctuation
F placeparallel
F popfloat
F pophyphenation
F popitaliccorrection
F poplist
F poppath
F poprandomseed
F popreferenceprefix
F popregime
F popsectionblock
F postponeotes
F prefixedconverted
F presetsymbollist
F presettabulate
F prevcountervalue
F previoussubcountervalue
F processbodyfontsizes
F processbuffer
F processcolorcomponents
F processedfile
F processedfiles
F processfile
F processfilemany
F processfilenone
F processfileonce
F processjob
F processlist
F processregister
F processsplit
F processsynonyms
F profilebox

F pushpath
F pushrandomseed
F pushreferenceprefix
F pushregime
F pushsectionblock
F pushstream
F rawcharacter
F rawcountervalue
F rawdate
F rawsubcountervalue
F referencepagedetail
F referencepagestate
F referencerealpage
F registerattachment
F registerbackendsymbol
F registerbodyfontsize
F registerbookmark
F registerbuttons
F registercolorintent
F registeredviewerlayer
F registerfigurepattern
F registerfiguresuffix
F registerhelp
F registerhyphenationexception
F registerhyphenationpattern
F registeritemgroup
F registerlanguagefeatures
F registerlinenumbering
F registermaintextcolor
F registermpyfile
F registernamedlua
F registernamespace
F registerpostponedblock
F registerrendering
F registersection
F registershownsynonym
F registerstructureprocessor
F registersynonym
F registerunit

F replacepospxywhd	F savedlisttitle
F reportstructure	F savefloat
F resavefloat	F savemargindata
F resetcharacteralign	F savenote
F resetcounter	F saveobject
F reseteffect	F savepagedata
F resetfeature	F savepageinjections
F resetfontfeature	F saveparallel
F resetfontsolution	F savespecificfloat
F resetinjector	F savestructureblock
F resetitaliccorrection	F savetaggedtwopassdata
F resetmapfiles	F savetwopassdata
F resetmarking	F savevariable
F resetmathattributes	F second
F resetmathitalics	F selectstructureblock
F resetnullfont	F setactivecatcodes
F resetparallel	F setbreakpoints
F resetpath	F setcharacteralign
F resetprevdepth	F setcharactercasing
F resetreference	F setcharactercleaning
F resetscript	F setcharacterkerning
F resetshownsynonyms	F setcharacterspacing
F resetstructureprocessor	F setcharacterstripping
F resetsubcounter	F setcloseddocumentaction
F resettimer	F setclosepageaction
F resettrackers	F setcolormodel
F resetusedsynonyms	F setcounter
F restartcounter	F setdataset
F restartsubcounter	F setdigitsmanipulation
F restorecounter	F setdirection
F restorecurrentattributes	F setdocumentargument
F restorenote	F setdocumentcommandline
F reuserandomseed	F setdocumentctxfile
F revivefeature	F setdocumentdefaultargument
F romannumerals	F setdocumentenvironments
F rounded	F setdocumentfilename
F runbuffer	F setdocumentfilenames
F runcontextjob	F setdocumentmodes
F safechar	F setdocumentmodules

F setfontfeature	F setpagecolormodel
F setfontofid	F setpagestate
F setfontsolution	F setpagestaterealpageno
F setformat	F setpagetransition
F setformsmethod	F setparbuilder
F sethyphenatedurlcharacters	F setprofile
F sethyphenationfeatures	F setrandomseed
F sethyphenationmethod	F setrealign
F setinitial	F setrealspaces
F setinitialsectionblock	F setreferencearguments
F setinjector	F setreferenceattribute
F setinnerreferencemethod	F setreferenceoperation
F setinsertionlocation	F setregionbox
F setinterfaceconstant	F setregionboxtagged
F setinterfaceelement	F setregistermethod
F setinterfacemessage	F setreplacements
F setinterfacemessages	F setscript
F setinterfacevariable	F setsectionblock
F setinternalreference	F setsectionentry
F setitaliccorrection	F setstructureblockstate
F setjavascriptpreamble	F setstructurelevel
F setjobcomment	F setstructurenumber
F setlanguageexceptions	F setsubcounter
F setlanguagesynonym	F settagaspect
F setlettercatcodes	F settagcombination
F setmarking	F settagdelimitedsymbol
F setmathalphabet	F settagfigure
F setmathalternate	F settaggedmetadata
F setmathattribute	F settaghighlight
F setmathdirection	F settagitem
F setmathdomain	F settagitemgroup
F setmathitalics	F settaglist
F setmathstyle	F settagnotation
F setmpextensions	F settagnotationsymbol
F setnegative	F settagproperty
F setnextinternalreference	F settagproperty_b
F setnextreferenceorder	F settagproperty_n
F setnotestate	F settagregister
F setnotesymbolpage	F settagsorting

F setupcanvas	F startregime
F setupcharacterspacing	F startsectionlevel
F setupexport	F startstream
F setupfontexpansion	F starttag
F setupfontprotrusion	F starttag_c
F setupidentity	F starttag_d
F setupinsertion	F starttag_u
F setupitaliccorrection	F starttext
F setuplinenumbers	F startviewerlayer
F setuserinterface	F stopactualtext
F setvalidinterfacekeys	F stopchemical
F setvisual	F stopcolorset
F setvisualfont	F stopcomponent
F setvisuallayer	F stopenvironment
F setxmpfile	F stopfontsolution
F showassignerror	F stopparbuilder
F showattributes	F stopproduct
F showcounter	F stopproject
F showdebuginfo	F stopregime
F showdirectives	F stopsectionlevel
F showdiscretionaries	F stopstream
F showexperiments	F stoptag
F showhyphenatedinlist	F stoptext
F showhyphenationtrace	F stopviewerlayer
F showinjector	F storejavascriptcode
F showjustification	F storejavascriptpreamble
F showlogcategories	F storenote
F showmessage	F storeregister
F showtrackers	F strdp
F sin	F strhd
F sind	F strht
F splitfilename	F strip
F spotcolorname	F structureautocatcodedget
F spotcolorparent	F structurecatcodedget
F spotcolorvalue	F structuregivencatcodedget
F startactualtext	F structurenumber
F startchemical	F structuretitle
F startcolorset	F structureuservariable
F startcomponent	F structurevariable

F synchronizemarking	F uselua module
F synchronizestream	F usemodules
F synonymmeaning	F usepath
F synonymname	F useproduct
F systemlog	F useproject
F tagmfunctionlab	F usesubpath
F tagmfunctiontxt	F usesymbols
F tan	F usetexfile
F tand	F usetexfileonce
F texdefinition_one	F useurl
F texdefinition_two	F usexmlfile
F textime	F usexmlfileonce
F thefirstcharacter	F usezipfile
F theremainingcharacters	F utfchar
F tochar	F utfmathclass
F transparencycomponents	F utfmathcommand
F truefilename	F utfmathcommandabove
F type	F utfmathcommandbelow
F typebuffer	F utfmathcommandfiller
F typefile	F utfmathfiller
F uchar	F utfmathstretch
F uchexnumber	F vboxlisttohbox
F uchexnumbers	F verbose
F undefinechemical	F vspacing
F unicodechar	F vspacingcollapse
F unihex	F vspacingcollapseonly
F unit_normal	F vspacingdefine
F unit_reverse	F vspacingsetamount
F unloadlanguage	F vspacingsnap
F upper	F way
F useMPLibrary	F weekday
F useanyfile	F weekdayname
F useanyfileonce	F writestatus
F useclfile	F x_table_c
F useclfileonce	F x_table_cleanup
F usecolors	F x_table_construct
F usecomponent	F x_table_create
F useenvironment	F x_table_finish_row
F usefigurebase	F x_table_flush

F x_table_next_row	F xmldoifnotselfempty
F x_table_next_row_option	F xmldoifnottext
F x_table_r	F xmldoifselfempty
F x_table_reflow_height	F xmldoiftext
F x_table_reflow_width	F xmlelement
F x_table_set_construct	F xmlfilter
F x_table_set_reflow_height	F xmlfilterlist
F x_table_set_reflow_width	F xmlfirst
F xmladdindex	F xmlflush
F xmلاfterdocumentsetup	F xmlflushcontext
F xmلاftersetup	F xmlflushdocumentsetups
F xmlall	F xmlflushlinewise
F xmلاppenddocumentsetup	F xmlflushspacewise
F xmلاppendsetup	F xmlfunction
F xmلاpplyselectors	F xmlgetindex
F xmلاtt	F xmlinclude
F xmلاttdef	F xmlincludeoptions
F xmلاttribute	F xmlinclusion
F xmلاttributedef	F xmlinclusions
F xmلاbadinclusions	F xmlindex
F xmلاbeforedocumentsetup	F xmlinfo
F xmلاbeforesetup	F xmlinlineverbatim
F xmلاchainatt	F xmلاinstallldirective
F xmلاchainattdef	F xmلاst
F xmلاchecknamespace	F xmلاload
F xmلاcommand	F xmلاloadbuffer
F xmلاconcat	F xmلاloaddata
F xmلاconcatrange	F xmلاloaddirectives
F xmلاcontext	F xmلاloadregistered
F xmلاcount	F xmلاmain
F xmلاdelete	F xmلاmatch
F xmلاdirect	F xmلاname
F xmلاdirectives	F xmلاnamespace
F xmلاdirectivesafter	F xmلاnonspace
F xmلاdirectivesbefore	F xmلاpos
F xmلاdisplayverbatim	F xmلاprependdocumentsetup
F xmلاdoif	F xmلاprependsetup
F xmلاdoifelse	F xmلاraw
F xmلاdoifelseempty	F xmلاrefatt

F xmlresetdocumentsetups
F xmlresetinjectors
F xmlsave
F xmlsetcommandtonone
F xmlsetcommandtotext
F xmlsetentity
F xmlsetinjectors
F xmlsetsetup
F xmlsnippet
F xmlstartraw
F xmlstarttiming
F xmlstopraw
F xmlstoptiming
F xmlstrip
F xmlstripanywhere
F xmlstripnolines
F xmlstripped
F xmlstrippednolines
F xmltag
F xmltexentity
F xmltext
F xmltobuffer
F xmltobufferverbose
F xmltofile
F xmltoparameters
F xmlverbatim
F xmlwithindex
F year

setconstant	function
setcount	function
setdimen	function
setelement	function
setformat	function
setmacro	function
setmessage	function
setmessages	function
settranslation	function
setuserinterface	function
setvalidkeys	function

tolist
translations
variables
writestatus

fun
dat
dat
fun

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

attach	function
flush	function
off	function
on	function
opt	table
F start	
os	string
status	function
version	string
version_num	number

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

F 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

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

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

F isleftpage

F leftorrightpagection

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

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

convert	function
convertfile	function
convertstring	function
einject	function
eprint	function
escape	function
finalized	function
finject	function
fprint	function
get	function
getvariables	function
htmfile	function
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

tv	function
type	function
urlescape	function
variable	function
variables	table
	S color-background-blue
	S color-background-body
	S color-background-green
	S color-background-main
	S color-background-purple
	S color-background-yellow
	S title-default

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		

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

topdfdoc	function
tosixteen	function
transform	function
transparency	function
transparencycode	function
transparencygroups	table
B none	
transparencyvalue	function
unicode	function
verbose	function

C	function	split	fu
Carg	function	splitat	fu
Cb	function	splitter	fu
Cc	function	stripper	fu
Cf	function	times	fu
Cg	function	tsplitat	fu
Cmt	function	tsplitter	fu
Cp	function	type	fu
Cs	function	utfchartabletopattern	fu
Ct	function	version	fu
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		

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

byteuata	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

registerstartactions	function
registerstopactions	function
registertempfile	function
starttime	number

alt	function	flushnewline	function
applyfunction	function	flushsetups	function
applyselectors	function	flushspacewise	function
att	function	get_id	function
attribute	function	getid	function
badinclusions	function	getindex	function
chainattribute	function	id	function
checkindex	function	idsplitter	userdat
collected	function	include	function
command	function	inclusion	function
concat	function	inclusions	function
concatrange	function	index	function
content	function	info	function
context	function	inlineverbatimim	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
displayverbatimim	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	refatt	function
doifnotempty	function	register	function
doifnottext	function	registerentity	function
doiftext	function	removesetup	function
element	function	resetcdata	function
elements	function	resetsetups	function
entities	data table	resolvedentity	function
filter	function	root	function
filterlist	function	save	function
first	function	serialize	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

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

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

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

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

checkformat	function	graphic_base_pass	f
checktexts	function	initializescriptrunner	f
collapse	boolean	instance	f
colorinitializer	function	intermediate	t
convert	function	T actions	
defaultformat	string	F makempy	
defaultinstance	string	lastlog	s
defaultmethod	string	load	f
directrun	function	makempy	t
escaped	function	N nofconverted	
exectime	table	F processgraphics	
extensiondata	data table	F registerfile	
filterclippath	function	maketext	f
flush	function	metafun	t
flushers	table	F interpolate	
T pdf		F topath	
F comment		method	n
F flushfigure		mptopdf	t
F startfigure		F convertmptstopdf	
F stopfigure		N nofconverted	
F textfigure		n	n
flushliteral	function	nvformat	f
flushnormalpath	function	optimize	b
flushreset	function	parse	f
fonts	table	pdf literals	f
F define		pluginactions	f
T flusher		process	f
F flushfigure		processplugins	f
F startfigure		processspecial	f
F stopfigure		properties	t
N instances		quickanddirty	f
F process		reducetogray	b
format	function	reporterror	f
format_number	function	reset	f
format_string	function	resetlastlog	f
formatnumber	function	resetplugins	f
getclippath	function	runscript	f
getextensions	function	scripterror	f
getjobdata	function	setextensions	f
getstatistics	function		

F get
F reset
F set
F setfrombuffer

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

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

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

pair	function
path	function
print	function
quadruple	function
quoted	function
report	function
size	function
triplet	function
tt_dimensions	function
tt_initialize	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

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

- F alternates
- F autofences
- F classes
- F collapse
- F domains
- F families
- F italics
- F relocate
- F render
- F resize
- F showtree
- F tags
- F unscript
- F variants

process function

processnested function

processors table

- T autofences
- T collapse
- F mlist_to_hlist
- T relocate
- T render
- T resize
- T unscript

processouter function

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

getleader	function
getlist	function
getnext	function
getprev	function
getproperty	function
getsubtype	function
has_attribute	function
has_field	function
has_glyph	function
hpack	function
id	function
insert_after	function
insert_before	function
is_node	function
kerning	function
last_node	function
length	function
ligaturing	function
mlist_to_hlist	function
new	function
next	function
prev	function
protect_glyphs	function
protrusion_skippable	function
remove	function
set_attribute	function
set_properties_mode	function
setfield	function
setproperty	function
slide	function
subtype	function
tail	function
tostring	function
traverse	function
traverse_id	function
type	function
types	function
unprotect_glyphs	function
unset_attribute	function

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

- F keepcounts
- F reset
- F resetcounts
- F setcursive
- F setkern
- F setligaindex
- F setmark
- F setpair

insert_after function

insert_before function

insert_list_after function

installattributehandler function

is_direct function

is_display_math function

is_mirrored data table

is_node function

is_nut function

is_rotated data table

kerncodes data table

kerning function

keys table

- T whatsit

last_node function

leftmarginwidth function

ligaturing function

lines table

- T boxed
- F register
- F setup
- F stage_one
- F stage_two

- D data
- F finalize
- F number
- N scratchbox

link function

linked function

list function

listablefields data table

markers

- F get

mathcodes

maxboxwidth

mlist_to_hlist

new

noadcodes

nodecodes

nopts

nuts

- F append
- F concat
- F copy
- F copy_list
- F copy_properties
- F count
- F current_attr
- F delete
- F dimensions
- F do_ligature_n
- F effective_glue
- F end_of_math
- F fasthpack
- F first_glyph
- F firstcharacter
- F firstcharinbox
- F firstglyph
- F flush_list
- F flush_node
- F free
- F getattr
- F getattribute
- F getboth
- F getbox
- F getchar
- F getdisc
- F getfield
- F getfont
- F getid

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

F setlink
F setnext
F setprev
F setprop
F setunsetattributes
F setvisual
F slide
F somepenalty
F somespace
F tail
F takebox
F theprop
F tonode
F tonodes
F tonut
F tosequence
F toString
F tracedslide
F traverse
F traverse_id
T typesetters
 F fast_hpack
 F hpack
 F tohpack
 F tohpackfast
 F tonodes
 F tovpack
 F tovpackfast
 F vpack
F unprotect_glyphs
F unset_attribute
F unsetattribute
F unsetattributes
F untracedslide
F usedlist
F vianodes
F vianuts
F vpack
F writable_spec

partextdir_is_equal

penaltycodes

plugindata

F finalizer
F initializer
S name
T namespace
 N attribute
 D data
 F enable
 F handler
 F register
 D registered
 D values
F processor

points

pool

F baselineskip
F cleanup
F glyph
F kern
F latelua
F lateluafunction
F lineskip
F pdfdirect
F pdfliteral
F pdfrestore
F pdfsave
F pdfsetmatrix
F register
F rule
F special
F usage
F usernumber

prepend

print

processors

B enabled
F hpack_filter

T actions		showlist
F delayed		showsimplelist
F fdelayed		skipcodes
F immediate		slide
F attach		snapshots
T data		F getparameters
F delayed		F getsamples
protect_glyphs	function	F resetsamples
protrusion_skippable	function	F takesample
pts	function	somepenalty
reference	function	somespace
references	table	stripdiscretionaries
N attribute		stripping
T done		T glyphs
F handler		F set
T stack		striprange
remove	function	tail
repackhlist	function	takebox
replace	function	tasks
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 freezegrp
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
shifts	table	textdir_is_is
D data		textdir_is_opposite
F define		textdir_is_parallel

toinches	function	F glyphs
tomillimeters	function	F message
tonewciceros	function	F messages
tonewdidots	function	F nofsteps
tonode	function	F register
tonodes	function	F reset
tonut	function	F start
topicas	function	F stop
topoints	function	F stop
toscaledpoints	function	T transparencies
tosequence	function	F reset
tostring	function	F set
totable	function	F setlist
totree	function	traverse
toutf	function	traverse_id
tracers	table	typesetters
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
F set		unset_attribute
F setlist		unsetattribute
F fontchar		unsetattributes
T frequencies		usedlist
F register		vianodes
T pool		vianuts
T nodes		visualizebox
F rule		visualizers
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

T width

T setters

T dimensions

T width

writable_spec

function

write

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
toxiceros	function
todidots	function
todimen	function
toevenhex	function
toinches	function
tomillimeters	function
tonewciceros	function
tonewdidots	function
tonumberf	function
tonumberg	function
topics	function
topoints	function
toscaled	function
toscaledpoints	function
toset	function
valid	function

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

cpath	string
extralibpath	function
extralibpaths	function
extraluaopath	function
extraluaopaths	function
helpers	table
libpaths	function
loaded	table
loaders	table
loadlib	function
luapaths	function
path	string
preload	table
searchpath	function
seeall	function

- F flushafter
- F flushbefore
- F save

mixedcolumns table

- F cleanup
- F finalize
- F getlist
- F getrest
- F getsplit
- F setsplit

getlpos	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

resume function
start function
stop function

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

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

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

useddataset	function
usedentries	function
writers	table
F author	
F string	
F author	
F keyword	
F pagenumber	
F range	

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

appendhash	function	findwildcardfile
automount	function	findwildcardfiles
automounted	table	formatofsuffix
booleanvariable	function	formatofvariable
cacheversion	string	formats
checkedvariable	function	generators
cleanedpathlist	function	get_from_content
cleanpath	function	getenv
cleanpathlist	function	getownpath
concatinators	data table	getreadfilename
configbanner	string	hashers
criticalvars	data table	homedir
dangerous	data table	inputstack
datastate	function	installinputfilehandler
defaultsuffixes	table	installinputlinehandler
dowithfilesandreport	function	instance
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 loadererror
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

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

variable	function
variableofformat	function
variableofformatorsuffix	function
wildcardpattern	function

disabletimers	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

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

create	function
tolist	function
tonumber	function
totable	function

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

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

comparers table

F basic

constants table

S defaultdigits

S defaultlanguage

S defaultmethod

N digitmaximum

N digitoffset

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

firsttofsplit function

packch function

packuc function

setlanguage function

sort function

splitters table

F utf

strip function

tracers data table

update 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

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

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

autosingle	function
booleanstring	function
byte	function
bytepairs	function
bytes	function
char	function
characterpairs	function
characters	function
checkedsplit	function
collapsespaces	function
count	function
dump	function
escapedpattern	function
explode	function
find	function
format	function
formatter	function
formatters	function
fullstrip	function
gmatch	function
gsub	function
is_boolean	function
is_empty	function
itself	function
len	function
limit	function
longtostring	function
lower	function
match	function
nspace	table
optionalquoted	function
quote	function
quoted	function
rep	function
replacelines	function
reverse	function
split	function
splitlines	function
splitup	function
strip	function

tformat	function
toHEX	function
toboollean	function
tobytes	function
tocontext	function
todec	function
todimen	function
tohex	function
tonodes	function
topattern	function
totable	function
toutf	function
tracedchar	function
tracedchars	table
unquote	function
unquoted	function
upper	function
utfcharacters	function
utfvalues	function
valid	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 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**fun****descriptions****tab****documents****tab**

D data
F initialize
F preset
F reset

floats**tab****formulas****tab****helpers****tab**

F analyze
F formulnumber
F merged
F page
F prefix
F prefixlastpage
F prefixpage
F simplify
F title
F touserdata

inserts**tab**

D data

F setlocation		F title	
F setup		D tobесaved	
D stored		F userdata	
itemgroups	table	F uservalue	
lists	table	marks	tab
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	tab
D names		F checkpagechange	
F number		F define	
D ordered		F doifonsamepageasprevious	
F page		F get	
F popnesting		F getdeltapage	
F prefix		F getn	
F prefixednumber		F getnumberpage	
F prefixedpage		F getstate	
F process		F getsymbolpage	
D pushed		F hascontent	
F pushnesting		F internal	
F realpage		F internalid	
F reordered		F listindex	
T result		F ordered	
F savedlistnumber		F postpone	

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

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

F typesetnumber		U splitter
F userdata		D properties
B verbose		F registermetadata
sets	table	F restart
F define		F setaspect
F get		F setattributehash
F getall		F setcombination
D setlist		F setfigure
specials	table	F sethighlight
D collected		F setitem
F retrieve		F setitemgroup
F store		F setlist
D tobesaved		F setnotation
synonyms	table	F setnotationsymbol
F analyzed		F setproperty
D collected		F setregister
F compare		F setsorting
F define		F setsynonym
F filter		F settablecell
F finalize		F settabulatecell
F flush		F settagdelimitedsymbol
F isshown		F settagssentencesymbol
F isused		F setupexport
F meaning		F setuserproperties
F prepare		D specifications
F process		F start
F register		F stop
F registershown		F strip
F registerused		D taglist
F resetshown		T usewithcare
F resetused		T images
F sort		
F synonym		
D tobesaved		
tags	table	
F elementtag		
F finishexport		
F getid		
F handler		

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

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

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
txtcacodes	number
type	function
uccode	table
uniform_rand	function
uniformdeviate	function
uprint	function
vrbcacodes	number
write	function

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

egroup	userdata	F box	
bits	table	F count	
N active		F dimen	
N alignment		F token	
N begingroup		hbox	userdata
N character		istoken	function
N close		letter	function
N comment		letters	function
N endgroup		other	function
N endofline		pickup	function
N escape		printlist	function
N ignore		scanners	table
N invalid		F boolean	
N letter		F code	
N mathshift		F conditional	
N open		F count	
N other		F dimen	
N parameter		F dimension	
N space		F glue	
N subscript		F integer	
N superscript		F keyword	
N whitespace		F list	
collectors	table	F lxmlid	
T data		F number	
F defaultwords		F scanclose	
F dowithwords		F scanopen	
F flush		F skip	
F install		F string	
F register		F token	
T registered		F tokens	
F show		F toks	
F test		F word	
compile	function	scantable	function
converters	table	setters	table
S toboolean		F box	
S todimen		F count	
S toglue		F dimen	
S tonumber		F macro	
S tostring		shortcuts	table
egroup	userdata	T bits	

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

F box
F count
F dimen
F macro
T shortcuts
N close
F inspect
N open
F report
F scanboolean
F scanclose
F scancode
F scanconditional
F scandimen
F scandimension
F scaninteger
F scankeyword
F scanlist
F scannumber
F scanopen
F scanstring
F scanword
F toboolean
F todimen
F tonumber
F tostring

U vbox

U vtop

F tonumber

F tostring

vbox userdata
vtop userdata

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

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

F handler
 F set
breakpoints table
 F define
 F handler
 D mapping
 T methods
 T numbers
 F set
 F setreplacement
cases table
 T actions
 F handler
 F register
 F set
characteralign table
 F handler
 F resetcharacteralign
 F setcharacteralign
characters table
 F handler
 T methods
 F replacensp
 F replacenspaces
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

F installhandler
 F processmath
 F set
 F setcolor
 F setmath
 F tomode
firstlines table
 T actions
 F default
 F line
 F word
 F handler
 F set
initials table
 T actions
 F default
 F addanchortoline
 F addtoline
 F calculatedelta
 F checkline
 F handler
 F moveinline
 F normalize
 F set
injectors table
 F check
 T list
 F mark
 F reset
 F set
 F show
italics table
 F forcevariant
 F handler
 F reset
 F set
kerns table
 D factors
 F handler
 F keepligature

F applyspecification	T frenchpunctuation
T methods	T characters
F Word	S name
F Words	N number
F abbreviatedjournal	F reset
F expandedjournal	F set
F lowercase	F setup
F stripperperiod	wrappers table
F uppercase	F handler
T patterns	xtables table
U list	F cleanup
U pair	F construct
F splitspecification	F create
margins table	F finish_row
F finalhandler	F flush
F globalhandler	F initialize_construct
F ha	F initialize_reflow_height
F localhandler	F initialize_reflow_width
F save	F next_row
marksuspects function	F reflow_height
paragraphs table	F reflow_width
F addanchortoline	F set_construct
F addtoline	F set_reflow_height
F calculatedelta	F set_reflow_width
F checkline	
F handler	
F moveinline	
F normalize	
F set	
processors table	
F apply	
F register	
F reset	
F split	
F startapply	
F stopapply	
F stripped	
F tostring	
showsuspects function	

F byte	F lower
F char	F match
F dump	F rep
F find	F reverse
F format	F sub
F gfind	F upper
F gmatch	utf8 table
F gsub	F byte
F len	F char
F lower	F characters
F match	F chrlen
F rep	F count
F reverse	F dump
F sub	F filetype
F upper	F find
grapheme table	F format
F byte	F gfind
F char	F gmatch
F dump	F gsub
F find	F is_valid
F format	F len
F gfind	F length
F gmatch	F lower
F gsub	F magic
F len	F match
F lower	F remapper
F match	F rep
F rep	F replacer
F reverse	F reverse
F sub	F split
F upper	F splitlines
latin1 table	F sub
F byte	F subtituter
F char	F tocodes
F dump	F toeight
F find	F toentities
F format	F tostring
F gfind	F totable
F gmatch	F upper
F gsub	F ustring

[F 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](#)

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

F disable		F compile	
F enable		F loadedluacode	
F savestats		F loadstripped	
F showstats		N nofstrippedbytes	
F showtraceback		N nofstrippedchunks	
files	table	B stripcode	
F close		T strippedchunks	
F getposition		F strippedloadstring	
F look		T suffixes	
F open		S lua	
F read2dot14		S luc	
F readbyte		S lui	
F readbytes		S luj	
F readcardinal		S luv	
F readcardinal1		S tma	
F readcardinal2		S tmc	
F readcardinal3		S tua	
F readcardinal4		S tuc	
F readchar		packers	table
F readfixed4		F hashed	
F readinteger		F new	
F readinteger1		F pack	
F readinteger2		F simplehashed	
F readinteger4		F strip	
F readstring		F unpack	
F readtag		N version	
F setposition		parsers	table
F size		F add_settings_to_array	
F skip		F arguments_to_table	
F skiplong		F array_to_string	
F skipshort		F csvsplitter	
formatters	table	F getparameters	
F formatcolumns		F groupedsplitat	
F list		F hash_to_string	
F stripzeros		F iterator	
garbagecollector	table	F keq_to_hash	
F check		F listitem	
N criterium		F make_settings_to_hash_patte	
B enabled		F mergehashes	
lua	table	F options_to_array	

U settings_to_hash_c	F report	
U unittotex	F reset	
F process_stripped_settings	F show	
F rfc4180splitter	stacker	table
F runtime	F new	
F settings_to_array	storage	table
F settings_to_array_with_repeat	F allocate	
F settings_to_hash	F checked	
F settings_to_hash_strict	F mark	
F settings_to_hash_tolerant	F marked	
F settings_to_set	F setinitializer	
F simple_hash_to_string	F sparse	
F splitmethod	streams	table
F splitthousands	F close	
F stepper	F getposition	
F stripped_settings_to_array	F look	
F unittotex	F open	
F unittoxml	F read2dot14	
report	F readbyte	
sequencers	F readbytes	
F appendaction	F readcardinal	
F appendgroup	F readcardinal1	
F compile	F readcardinal2	
F disableaction	F readcardinal3	
F disablegroup	F readcardinal4	
F enableaction	F readchar	
F enablegroup	F readfixed4	
D functions	F readinteger	
F localize	F readinteger1	
F new	F readinteger2	
F nodeprocessor	F readinteger4	
F prependaction	F readstring	
F prependgroup	F setposition	
F removeaction	F size	
F replaceaction	F skip	
F setkind	F skipbytes	
F tostring	F skiplong	
setters	F skipshort	
F disable	strings	table

- F nice
- T striplinepatterns
 - U collapse
 - U prune
 - U prune and collapse
 - U prune and no empty
 - U retain
 - U retain and collapse
 - U retain and no empty
- F striplines
- F striplong
- F tabtospace
- T tracers

tables table

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

templates table

- F load
- F replace
- F replacer
- F resolve

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

getspecification	function
getvisualizer	function
load	function
makenested	function
makepattern	function
newgrammar	function
newhandler	function
parsedxml	function
pattern	function
register	function
registerescapecommand	function
registerescapepline	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

after	function	D tex	
all	function	D texline	
applylpath	function	D texspace	
assign	function	D verbose	
attribute	function	defaultprotocol	st
badinclusions	function	delete	fu
before	function	delete_element	fu
body	function	each	fu
builtinentities	table	each_element	fu
B amp		elements	fu
B apos		elementtocdata	fu
B gt		empty	fu
B lt		entities	da
B quot		erase	fu
cdata	function	errorhandler	fu
cdatatotext	function	escaped	fu
checkboxom	function	expressions	ta
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	fu
F fontspecification		filter	fu
F padding		finalizers	ta
defaulthandlers	table	F paragraphs	
D file		T tex	
D parsedxml		F all	

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

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

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

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