

MP aes attributes backends basexx bibtex bit32
blobs boolean buffers builders bytemap caches
callback callbacks catcodes characters
chemistry commands containers context
converters coroutine ctxrunner debug dir
directives document documentdata drivers
effects environment experiments figures file
fio floats font fonts functions globaldata
globals graphics gzip helper images
interactions interfaces io job kpse language
languages layouts lfs libraries lmx loaders
logs lpdf lpeg lua luac luatex lxml math
mathematics md5 metapost mime moduledata
modules mp mplib nanojpeg noads node nodes
number objects optional os package
pagebuilders parametersets pdf pdfdecode pdfx
physics pngdecode posit potrace publications
qrcodegen regimes resolvers sandbox scripts
serial set sha2 sio socket sorters sparse
statistics status storage streams string
structures table tex texconditionals texconfig
texconstants texifs texio texpd texpw
texmodes texsystemmodes thirddata token tokens
tracers trackers typesetters updaters url
userdata utf8 utilities vector visualizers
xcomplex xdecimal xmath xml xzip zip zlib

ConTeXt LMTX

global (alias: _G)

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LUAMAJORVERSION	number	documentdata	table
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LUATEXENGINE	string	drivers	table
LUATEXFORMATID	number	effects	table
LUATEXFUNCTIONALITY	number	environment	table
LUATEXVERBOSE	string	error	function
LUATEXVERSION	number	experiments	table
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MP	function	file	table
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aes	table	floats	table
arg	table	font	table
assert	function	fonts	table
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backends	table	getmetatable	function
basexx	table	globaldata	table
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boolean	table	helper	table
buffers	table	images	table
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callback	table	io	table
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chemistry	table	language	table
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converters	table	lmx	table
coroutine	table	load	function
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debug	table	loadfile	function
dimen	function	loadstring	function
dir	table	logs	table

lpdf	table	regimes	table
lpeg	table	require	function
lua	table	resolvers	table
luac	table	sandbox	table
luatex	table	scripts	table
lxml	table	select	function
math	table	serial	table
mathematics	table	set	table
md5	table	setinspector	function
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moduledata	table	sha2	table
modules	table	sio	table
mp	function	socket	table
mplib	table	sorters	table
nanojpeg	table	sparse	table
next	function	statistics	table
noads	table	status	table
node	table	storage	table
nodes	table	streams	table
number	table	string	table
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optional	table	table	table
optionalrequire	function	tex	table
os	table	texconditionals	data table
package	table	texconfig	table
pagebuilders	table	texconstants	data table
pairs	function	texifs	data table
parametersets	table	texio	table
pcall	function	texisdefined	data table
pdf	table	texmodes	data table
pdfdecode	table	texsystemmodes	data table
pdfe	table	thirddata	table
physics	table	toboolean	function
pngdecode	table	todecimal	function
posit	table	token	table
potrace	table	tokens	table
print	function	tonumber	function
publications	table	tostring	function
qrcodegen	table	tracers	table
rawequal	function	trackers	table
rawget	function	type	function
rawlen	function	typesetters	table
rawset	function	unpack	function

updaters	table	xcomplex	table
url	table	xdecimal	table
userdata	table	xmath	table
utf	table	xml	table
utf8	table	xpcall	function
utilities	table	xzip	table
vector	table	zip	table
visualizers	table	zlib	table
warn	function		

aes (extra lua)

decode function
encode function

random function

attributes (context)

alternates table

N attribute
D data
F enable
F handler
F register
D registered
D values

applyoverloads function

checkvalues function

colorintents table

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

colors table

N attribute
F cmyk
F cmyktogray
F cmyktorgb
F colorcomponents
D counts
B couple
F currentmodel
F currentnamedmodel
D data
N default
F defineintermediatecolor
F definemultitonecolor
F defineprocesscolor
F defineprocesscolordirect
F definesimplegray
F definespotcolor
F definetransparency
F enable
F filter
N forced
F forcedmodel
F forcesupport

F formatcolor
F formatgray
F formatluminance
F formatluminanceratio
F getpagecolormodel
F gray
F graytohsb
F handler
T helpers
F complement
F inbetween
F justone
F hsvtorgay
F hsvtorgb
F hwbtorgb
F iccprofile
F isblack
F labtolch
F labtorgb
F labtoxyz
F lchtolab
F lchtorgb
N main
S model
D models
F mpcolor
F mpnamedcolor
F mpoptions
F namedcolorattributes
N none
F popset
F processcolorcomponents
F pushset
F register
D registered
F registerspotcolor
F rgb
F rgbbytes
F rgbtocmyk
F rgbtorgay
F rgbtohsb

F rgbtoxyz		F register	
N selector		D registered	
F setlist		F set	
F setmodel		numbers	data table
F setpagecolormodel		ofnode	function
D sets		private	function
F spec		public	function
F spot		registervalue	function
F spotcolorname		restore	function
F spotcolorparent		save	function
F spotcolorvalue		setcleaner	function
B supported		showcurrent	function
F toattributes		states	table
F transparencycomponents		F disabletriggering	
B triggering		F enabletriggering	
F usecolors		F finalize	
D valid		F initialize	
F value		F process	
D values		F selective	
B weightgray		F simple	
F xyztolab		F stacked	
F xyztorgb		F stacker	
counts	data table	system	function
define	function	tooverloads	function
effects	table	transparencies	table
N attribute		N attribute	
D data		D data	
F enable		F enable	
F handler		F forcesupport	
F register		F handler	
D registered		T names	
D values		N color	
getvalue	function	N colorburn	
getvalues	function	N colordodge	
handlers	table	N darken	
hasvalues	function	N difference	
list	data table	N exclusion	
markasoverload	function	N hardlight	
names	data table	N hue	
negatives	table	N lighten	
N attribute		N luminosity	
D data		N multiply	
F enable		N none	
F handler		N normal	

N overlay		F definedlayoutcomponent
N saturation		F enable
N screen		F forcesupport
N softlight		F handler
N none		B hasorder
F register		D listwise
D registered		F register
B supported		D registered
F toattribute		F resolve_begin
B triggering		F resolve_end
F value		F resolve_reset
D values		F resolve_step
unsetvalue	number	D scopes
values	data table	F setfeatures
viewerlayers	table	F setup
N attribute		F start
F cleanup		F stop
D data		B supported
F define		D values

backends (context)

closeout function

codeinjections table

F registerboxresource

F registerfont

F restoreboxresource

current string

defaults table

T codeinjections

F prerollreference

F setautoprefix

F vfstartcolor

F vfstopcolor

T nodeinjections

F cmykcolor

F destination

F graycolor

F injectknockout

F injectoverprint

F reference

F rgbcolor

F spotcolor

F transparency

T registrations

F transparency

D tables

getcallbackstate function

included table

B context

B date

B id

B metadata

B pdf

initialize function

latelua function

nodeinjections table

nothing function

openout function

registered table

T pdf

T codeinjections

F addbookmarks

F analyzenormalsymbol

F analyzesymbol

F attachmentid

F bitmap

F clonefield

F copyimage

F defaultprofile

F definefield

F definefieldset

F defineviewerlayer

F discardpages

F embedfile

F embedimage

F enabletags

F exportformdata

F fieldsurrounding

F flushmergelayer

F getbookmarks

F getboxresourcebox

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F getinfo

F getlinkstructureparent

F getreferencestructureobject

F getrefobj

F insertrenderingwindow

F jp2

F jpg

F maptag

F mergebookmarks

F mergecomments

F mergefields

F mergereferences

F mergerenditions

F mergeviewerlayers

F newimage

F png

F prerollreference

F presetsymbol

- F presetsymbollist
- F processrendering
- F registerdocumentcloseaction
- F registerdocumentopenaction
- F registeredsymbol
- F registerfiguremask
- F registerfigurerange
- F registerpagecloseaction
- F registerpageopenaction
- F registerpattern
- F registersymbol
- F ruleactionbox
- F ruleactiondraw
- F ruleactionfill
- F ruleactionmp
- F ruleactionstroke
- F saveboxresource
- F scanimage
- F setattachmentsupport
- F setautoprefix
- F setencryption
- F setfieldcalculationset
- F setfigurecolorspace
- F setfiguremask
- F setformat
- F setformsmethod
- F setjobcomment
- F setpagetransition
- F settaggingsupport
- F setupviewerlayer
- F setuserdata
- F setxmpfile
- F startactualtext
- F startalternativetext
- F startlayer
- F startunicodetoactualtext
- F startunicodetoactualtextdirect
- F stopactualtext
- F stopalternativetext
- F stoplayer
- F stopunicodetoactualtext
- F stopunicodetoactualtextdirect
- F supportedformats
- F unicodetoactualtext

- F useviewerlayer
- F validcompactor
- F validfield
- F validfieldcategory
- F validfieldset
- F vfstartcolor
- F vfstopcolor
- F wrapimage
- S name
- T nodeinjections
- F addtags
- F annotation
- F attachfile
- F changestackedlayer
- F cmykcolor
- F comment
- F destination
- F effect
- F getboxresourcedimensions
- F graycolor
- F injectbitmap
- F insertu3d
- F knockout
- F negative
- F overprint
- F positive
- F reference
- F rgbcolor
- F spotcolor
- F startalternate
- F startlayer
- F startstackedlayer
- F stopalternate
- F stoplayer
- F stopstackedlayer
- F transparency
- F typesetfield
- F useboxresource
- T registrations
- F cmykindexcolor
- F cmykspotcolor
- F getspotcolorreference
- F grayindexcolor
- F grayspotcolor

F `rgbindexcolor`
F `rgbspotcolor`
F `spotcolorname`
F `transparency`
T `tables`

registrations	table
setencryption	function
tables	table
writeout	function

basexx (extra lua)

decode16 function

decode64 function

decode85 function

decodeLZW function

decodeRL function

encode16 function

encode64 function

encode85 function

encodeLZW function

encodeRL function

bit32 (context)

arshift function
band function
bnot function
bor function
btest function
bxor function

extract function
lrotate function
lshift function
replace function
rrotate function
rshift function

blobs (context)

append	function
dimensions	function
dispose	function
new	function
pack	function
strdp	function
strhd	function

strht	function
strwd	function
tohpack	function
tonodes	function
tovpack	function
write	function

boolean (context)

tocontext function

tonumber function

buffers (context)

append	function
assign	function
collectcontent	function
empty	function
erase	function
exists	function
get	function
getcontent	function
getctxlua	function
getlines	function
getmkvi	function
gettex	function
loadcontent	function

parallel	table
F define	
F hassomecontent	
F next	
F place	
F reset	
F save	
prepend	function
raw	function
run	function
samplefile	function
splitsamplefile	function
undent	function

builders (context)

checkparcontext	function	F start	
checksidefloat	function	F stop	
hpack	table	F tag	
F qualityactions			parpassidentifier function
F report			passnames data table
F show			profiling table
kernel	table	F add	
F collapsing		F adddrivers	
F hyphenating		F boxlinehandler	
F kerning		F distance	
F ligaturing		F fixedprofile	
F mlisttohlist		F get	
paragraphs	table	F getrivers	
T constructors		F list	
N attribute		F pagehandler	
F define		F pagelinehandler	
F disable		F profilebox	
F enable		F profilelines	
F handler		F set	
T methods		F setlines	
F basic		registerpaspasscallback function	
F default		vpack table	
F hpack		F qualityactions	
F oneline		F report	
D names		vspacing table	
D numbers		D categories	
F set		F checkstrutdepth	
F start		F collapsevbox	
F stop		T data	
T expansion		D map	
F trace		D skip	
F kepttogether		D snapmethods	
F registertogether		F definesnapmethod	
T solutions		B fixed	
T splitters		F flushcontributions	
F define		F forcepageflush	
F optimize		F forcestrutdepth	
T registered		F getnofpreviouslines	
F reset		F inject	
F set		F injectdisable	
F split		F injectnowhite	

F injectpenalty

F injectskip

F interceptsamepagecontent

F pagehandler

F pageoverflow

F popatsame

F pushatsame

F setmap

F setskip

F snapbox

F synchronizepage

F tocategories

F tocategory

F vboxhandler

bytemap (context)

bounds	function
clip	function
copy	function
dimensions	function
domain	function
downgrade	function
downsample	function
getbyte	function
getbytes	function
getvalue	function
hasbytegray	function
hasbyterange	function
hasbytergb	function

new	function
newdomain	function
process	function
reduce	function
reset	function
setgray	function
setgrayadd	function
setgraymin	function
setrgb	function
slicegray	function
slicerange	function
slicergb	function

cache (context)

base	string	loadcontent	function
collapsecontent	function	loaddata	function
configfiles	function	more	string
contentstate	function	savecontent	function
defaults	table	savadata	function
getfirstreadablefile	function	setfirstwritablefile	function
getreadablepaths	function	setluanames	function
getwritablepath	function	treehash	function
hashed	function	usedpaths	function
is_writable	function		

callback (basic tex)

find	function	list	function
getindex	function	names	function
getoptions	function	register	overloaded function
getoptionvalues	function	setoptions	function
getstate	function	setstate	function
getstatevalues	function	testonly	function
known	function	usage	function

callbacks (context)

freeze	function	N local_box
functions	table	N make_extensible
F start_page_number		N math_rule
F stop_page_number		N missing_character
getcomment	function	N mlist_to_hlist
getstates	function	N open_data_file
known	function	N packed_vbox
list	table	N paragraph_context
N alignment		N paragraph_pass
N append_adjust		N post_linebreak
N append_line		N pre_dump
N append_migrate		N pre_linebreak
N append_to_vlist		N pre_output
N balance_boundary		N process_character
N balance_check		N process_jobname
N balance_insert		N quality_font
N begin_paragraph		N register_extensible
N buildpage		N show_build
N define_font		N show_error_message
N find_format_file		N show_loners
N find_log_file		N show_lua_call
N get_attribute		N show_vsplitt
N get_math_dictionary		N show_warning_message
N get_noad_class		N show_whatsit
N glyph_run		N start_file
N handle_overload		N start_run
N handle_uinsert		N stop_file
N handle_uleader		N stop_run
N hpack		N tail_append
N hpack_quality		N test_only
N hyphenate		N trace_memory
N insert_distance		N vpack
N insert_par		N vpack_quality
N intercept_lua_error		N wrapup_run
N intercept_tex_error		
N italic_correction		names table
N kerning		optimizer function
N ligaturing		optionbits table
N linebreak		optioncodes table
N linebreak_check		N direct
N linebreak_quality		N trace
		pop function

push	function	N fundamental
register	function	N private
report	function	N selective
statebits	table	N set
statecodes	table	N touched
N disabled		N tracing
N frozen		

catcodes (context)

names data table

numbers data table

register function

characters (context)

addcharacternames	function	T after_postscript	
adobename	function	T after_subscript	
bidirectional	data table	T anudatta	
blockrange	function	T before_half	
blocks	data table	T before_main	
can_have_space	data table	T before_postscript	
casemap	table	T before_subscript	
categories	data table	T below_mark	
category	function	T consonant	
categorytags	data table	T dependent_vowel	
classifiers	table	T halant	
collapsed	data table	T independent_vowel	
combined	data table	T nukta	
contextname	function	T post_mark	
csletters	data table	T pre_mark	
data	data table	T ra	
decomposed	data table	T stress_tone_mark	
description	function	T twopart_mark	
descriptions	data table	T vowel_modifier	
detailtags	data table	initialize	function
directions	table	is_character	data table
emoji	table	is_command	data table
F compact		is_hyphenator	data table
F known		is_letter	data table
F resolve		is_mark	data table
emojized	function	is_nothing	data table
encodes	data table	is_punctuation	data table
entities	data table	is_spacing	data table
fallbacks	data table	is_symbol	data table
filters	data table	lcchars	data table
fractions	table	lccode	function
fromnumber	function	lccodes	data table
fschars	data table	lettered	function
fscodes	data table	lhash	data table
getrange	function	linebreaks	data table
graphemes	data table	lower	function
hangul	data table	mathlists	data table
indicgroups	table	mirrors	table
T above_mark		otfscripts	data table
T after_half		ranges	data table
T after_main		registerentities	function

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

chemistry (context)

component	function	S line
define	function	S lrn
definitions	data table	S lrt
format	string	S mark
inlinechemical	function	S mir
instance	string	S mov
method	string	S move
molecule	function	S number
moleculeparser	userdata	S oe
start	function	S off
stop	function	S r
syntax	table	S rb
T alkyl		S rbd
S category		S rd
T keys		S rdb
S ad		S rdd
S adj		S rh
S arrow		S rm
S au		S rn
S b		S rot
S bb		S rrn
S bd		S rrt
S bw		S rt
S c		S rz
S cc		S sb
S ccd		S sd
S cd		S sr
S cz		S sub
S dash		S tb
S db		S z
S diff		S zln
S dir		S zlt
S dr		S zn
S ed		S zrn
S ep		S zrt
S es		S zt
S et		S keyword
S hb		N max
S label		T boat
S ldb		S category
S ldd		T keys

S adj	S rt
S arrow	S rz
S b	S sb
S bb	S sr
S c	S sub
S cc	S z
S ccd	S zln
S cd	S zlt
S dash	S zn
S diff	S zrn
S eb	S zrt
S label	S zt
S line	S keyword
S lr	N max
S lrb	T carbon
S lrbd	S category
S lrd	S keyword
S lrh	N max
S lrn	T chair
S lrt	S category
S lrz	S keyword
S lsr	N max
S lsub	T chem
S mark	N arguments
S mov	F direct
S move	T closecomplex
S number	S direct
S off	T eight
S r	S category
S rb	T keys
S rbd	S ad
S rd	S adj
S rh	S arrow
S rn	S au
S rr	S b
S rrb	S c
S rrbd	S cc
S rrd	S ccd
S rrh	S cd
S rrn	S crz
S rrt	S dash
S rrz	S db
S rsr	S diff
S rsub	S dr

S eb	S rz
S ed	S s
S er	S sb
S hb	S sr
S label	S ss
S line	S sub
S lr	S z
S lrb	S zln
S lrbd	S zlt
S lrd	S zn
S lrh	S zrn
S lrn	S zrt
S lrt	S zt
S lrz	S keyword
S lsr	N max
S lsub	T equals
S mark	S direct
S mid	T equilibrium
S mids	N arguments
S midz	F direct
S mir	T five
S mov	S category
S move	S keyword
S number	N max
S off	T fivefront
S r	S category
S rb	S keyword
S rbd	N max
S rd	T four
S rh	S category
S rm	S keyword
S rn	N max
S rot	T gives
S rr	N arguments
S rrb	F direct
S rrbd	T mesomeric
S rrd	N arguments
S rrh	F direct
S rrn	T minus
S rrt	S direct
S rrz	T mp
S rsr	N arguments
S rsub	F direct
S rt	T newmaneclipsed

S category	S direct	
S keyword	T restore	
N max	S direct	
T newmanstagger	T save	
S category	S direct	
S keyword	T seven	
N max	S category	
T nine	S keyword	
S category	N max	
S keyword	T six	
N max	S category	
T one	S keyword	
S category	N max	
S keyword	T sixfront	
N max	S category	
T opencomplex	S keyword	
S direct	N max	
T pb	T space	
S direct	S direct	
T pe	T three	
S direct	S category	
T plus	S keyword	
S direct	N max	
T reset	undefine	function

containers (context)

cleannname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

A	function	cn-a	function
A:es	function	cn-c	function
A:ru	function	cn-d	function
A:sl	function	convert	function
AK	function	decimals	function
Alphabetic	function	define	function
Alphabetic:es	function	gregorian_to_hebrew	function
Alphabetic:ru	function	gregorian_to_jalali	function
Alphabetic:sl	function	hebrewnumerals	function
Character	function	helpers	table
Characters	function	hexstringtonumber	function
I	function	i	function
KA	function	isleapyear	function
KR	function	jalali_to_gregorian	function
R	function	lchexnumber	function
RK	function	lchexnumbers	function
Romannumerals	function	leapyear	function
Russiannumerals	function	lower	function
Sloveniannumerals	function	max	function
Spanishnumerals	function	maxchrs	function
Word	function	nicenumber	function
Words	function	nofdays	function
a	function	number	function
a:es	function	numbers	function
a:ru	function	octnumber	function
a:sl	function	octstringtonumber	function
abjadnodotnumerals	function	ordinal	function
abjadnumerals	function	r	function
alphabetic	function	romannumerals	function
alphabetic:es	function	russiannumerals	function
alphabetic:ru	function	sequences	data table
alphabetic:sl	function	settime	function
character	function	sloveniannumerals	function
characters	function	spaceddigits	function
chineseallnumerals	function	spanishnumerals	function
chinesecapnumerals	function	textime	function
chinesedatenumerals	function	toabjad	function
chinesenumerals	function	tochinese	function
chr	function	tohebrew	function
chrs	function	toroman	function
cn	function	totime	function

uchexnumber
uchexnumbers
upper
verbose

D data

function
function
function
table

F translate

weekday
word
words

function
function
function

coroutine (basic lua)

close function
create function
isyieldable function
resume function

running function
status function
wrap function
yield function

ctxrunner (context)

load	function	prepfiles	data table
preparedfile	function	resolve	function

debug (basic lua)

getinfo function

sethook function

traceback function

dir (context)

collectpattern	function
current	function
expandlink	function
expandname	function
found	function
glob	function
globdirs	function

globfiles	function
globpattern	function
ls	function
makedirs	function
mkdirs	function
pop	function
push	function

directives (context)

data	data table
default	function
disable	function
done	table
enable	function
list	function
name	string

register	function
report	function
reset	function
show	function
value	function
values	function

document (context)

arguments	data table	pdf_cleanup_procsets	function
files	table	pdf_identify_content	function
functions	table	pdf_serialize_content	function
getargument	function	pdf_strip_content	function
getfilename	function	pdf_strip_page	function
options	table	setargument	function
T cmdline		setcommandline	function
D environments		setdefaultargument	function
D modes		setenvironments	function
D modules		setfilename	function
T ctxfile		setfilenames	function
D environments		setmodes	function
D modes		setmodules	function
D modules		variables	data table
pdf_cleanup_cidsets	function		

documentdata (context)

variable function

drivers (context)

applyanchor	function	F rule
applyorientation	function	F simplerule
convert	function	F specialrule
converters	table	F updatefontstate
F analyze		T whatsit
F engine		S name
F lmtx		T json
F resyncbox		T actions
enable	function	F cleanup
finalize	function	F convert
gethpos	function	F finalize
gethvrpos	function	F initialize
getpos	function	F outputfilename
getrpos	function	F prepare
getvpos	function	F wrapup
helpers	table	T flushers
initialize	function	F character
install	function	F popleaderlevel
instances	table	F pushleaderlevel
T empty		F rule
T actions		F setstate
F convert		F simplerule
F prepare		F specialrule
T flushers		F updatefontstate
F popleaderlevel		T whatsit
F pushleaderlevel		S name
T whatsit		T lua
S name		T actions
T js		F cleanup
T actions		F convert
F cleanup		F finalize
F convert		F initialize
F finalize		F outputfilename
F initialize		F prepare
F outputfilename		F wrapup
F prepare		T flushers
F wrapup		F character
T flushers		F popleaderlevel
F character		F pushleaderlevel
F popleaderlevel		F rule
F pushleaderlevel		F simplerule

F specialrule	T pdf	
F updatefontstate	T actions	
T whatsit	F cleanup	
S name	F convert	
T mpo	F finalize	
T actions	F initialize	
F finalize	F outputfilename	
F initialize	F prepare	
T flushers	F wrapup	
F character	T flushers	
F popleaderlevel	F character	
F pushleaderlevel	F flushimage	
F rule	F fontchar	
F simplerule	F group	
F specialrule	F literal	
T whatsit	F popleaderlevel	
S name	F poporientation	
T mps	F pushleaderlevel	
T actions	F pushorientation	
F cleanup	F restore	
F convert	F rule	
F finalize	F save	
F initialize	F setmatrix	
F outputfilename	F setstate	
F prepare	F simplerule	
F wrapup	F space	
T flushers	F specialrule	
F character	F startclipping	
F popleaderlevel	F startmatrix	
F pushleaderlevel	F startmirroring	
F rule	F startrotation	
F simplerule	F startscaling	
F specialrule	F stopclipping	
F updatefontstate	F stopmatrix	
T whatsit	F stopmirroring	
S name	F stoprotation	
T none	F stopscaling	
T actions	F updatefontstate	
T flushers	T whatsit	
F popleaderlevel	S name	
F pushleaderlevel	lmtxversion	number
T whatsit	outputfilename	function
S name	report	function

effects (context)

getoctaveloops	function
getoctavemethods	function
getoctavestatus	function
getoctavevariants	function
newoctave	function
octave	function

octavebytemap	function
perlinnoise	function
simplexangle	function
simplexdetail	function
simplexnoise	function
stepoctave	function

environment (context)

argument	function	luafilechunk	function
arguments	data table	luatexengine	string
basicengines	data table	luatexfunctionality	number
currentrun	number	luatexverbose	string
definefilefallback	function	luatexversion	number
definefilesynonym	function	maxnofruns	number
engineflags	data table	oldhome	string
filename	string	originalarguments	data table
filenames	table	outputfilename	string
files	table	ownbin	string
filesynonyms	data table	ownmain	string
forcedruns	number	ownname	string
getargument	function	ownpath	string
globfiles	function	prerollrun	boolean
homedir	string	rawarguments	data table
initex	boolean	reconstructcommandline	function
initexmode	boolean	relativepath	function
initializearguments	function	setargument	function
initializefilenames	function	splitarguments	function
inputfilebarename	string	suffix	string
inputfilename	string	texfile	function
inputfilesuffix	string	texmfos	string
jobfilefullname	string	texos	string
jobfilename	string	texroot	string
jobfilesuffix	string	truefilename	function
kindofrun	number	uselua module	function
lmtxmode	number	usemodules	function
loadexamodes	function	validengines	data table
loadluafile	function	version	string
luafile	function		

experiments (context)

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

figures (context)

applyratio	function	F resetdata	
badname	function	F resetstore	
bases	data table	F scan	
bitmapimage	function	F serialize	
boxnumber	number	T sizes	
bytepalette	function	B art	
cachepaths	data table	B bleed	
check	function	B crop	
checkers	data table	B media	
conversions	data table	B none	
converters	data table	B trim	
current	function	F storedata	
defaultdepth	number	F totable	
defaultheight	number	T types	
defaultsearch	boolean	N jbig2	
defaultwidth	number	N jp2	
done	function	N jpg	
dummy	function	N none	
exists	data table	N pdf	
exists	function	N png	
formats	data table	N stream	
found	data table	F wrap	
get	function	include	function
getinfo	function	includers	data table
getpdfinfo	function	initialize	function
getrealpage	function	loaded	data table
guess	function	localpaths	data table
guessfromstring	function	magics	data table
hash	function	mergegoodies	function
identifiers	data table	nofmissing	number
identify	function	nofprocessed	number
images	table	order	data table
F check		palettes	table
F checksize		paths	data table
F copy		patterns	data table
F create		pop	function
F embed		preferquality	boolean
F embedfromstore		programs	data table
F fetchdata		push	function
T keys		qrcode	function
F print		registerpattern	function

registerresource	function	setconversion	function
registersuffix	function	setlookups	function
remappers	data table	setorder	function
resources	data table	setpaths	function
scale	function	suffixes	data table
set	function	used	data table

file (basic lua)

addsuffix	function
basename	function
checksum	function
collapsepath	function
copy	function
dirname	function
expandname	function
extname	function
is_qualified_path	function
is_readable	function
is_rootbased_path	function
is_writable	function
isreadable	function
iswritable	function
join	function
joinpath	function
loadchecksum	function
nameonly	function
nametotable	function
needs Updating	function

needsupdating	function
pathpart	function
readdata	function
removesuffix	function
replacesuffix	function
reslash	function
robustname	function
savechecksum	function
savedata	function
size	function
splitbase	function
splitname	function
splitpath	function
suffix	function
suffixes	function
suffixesonly	function
suffixonly	function
syncmtimes	function
withinbase	function

fio (extra lua)

getposition	function
read2dot14	function
readbytes	function
readbytetable	function
readcardinal1	function
readcardinal1le	function
readcardinal2	function
readcardinal2le	function
readcardinal3	function
readcardinal3le	function
readcardinal4	function
readcardinal4le	function
readcardinaltable	function
readcline	function
readcstring	function
readfixed2	function
readfixed4	function
readinteger1	function

readinteger1le	function
readinteger2	function
readinteger2le	function
readinteger3	function
readinteger3le	function
readinteger4	function
readinteger4le	function
readintegertable	function
setposition	function
skipposition	function
writecardinal1	function
writecardinal1le	function
writecardinal2	function
writecardinal2le	function
writecardinal3	function
writecardinal3le	function
writecardinal4	function
writecardinal4le	function

floats (context)

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

font (basic tex)

addcharacters	function	getmathspec	function
addquality	function	getparameterfields	function
current	function	gettextcharacterfields	function
define	function	id	function
getfont	function	max	function
getfontdimen	function	nextid	function
getfontfields	function	setfont	function
getfontspec	function	setfontdimen	function
getmathcharacterfields	function	xscaled	function
getmathindex	function	yscaled	function

fonts (context)

analyzers	table	F beforepassingfonttotex
D features		D cache
D initializers		F calculatescale
D methods		F checkedfeatures
F setstate		F checkedfilename
D states		F collectprocessors
B useunicodemarks		F currentfonthasfeature
callbacks	table	D designsizes
F compile		F enhanceparameters
F devirtualize		T enhancers
checkers	table	T afm
F getmissing		F apply
D mapping		F patch
F missing		T patches
F placeholder		F register
cid	table	F report
F getmap		F register
F loadfile		F report
collections	table	T otf
F checkenabled		F addfeature
F clonevector		F apply
F define		F enhance
T definitions		F patch
F direct		T patches
F found		F register
F prepare		F report
F process		F register
F register		F report
F registermain		T tfm
F report		F apply
F reset		F patch
T rscales		T patches
T vectors		F register
constructors	table	F report
F addcharacters		F register
F addcoreunicodes		F report
F aftercopyingcharacters		N factor
F applyfinalizers		T features
F applymanipulators		D afm
F assignmathparameters		D otf
F beforecopyingcharacters		D tfm

F finalize	S defaultbasealternate
F getfeatureaction	S defaultnodealternate
F getmathparameter	D features
F getprivate	F featuresinitializer
T handlers	F featuresprocessor
T afm	T fixers
B autoprefixed	F getactualtext
D cache	F getalternate
D features	F getgsub
F getkern	F getkern
T helpdata	F getmultiple
D bothkerned	F getstreamhash
D leftkerned	F getsubstitution
D ligatures	T handlers
D rightkerned	F ctx_camelcasing
D texligatures	F devanagari_remove_joiners
F load	F devanagari_reorder_matras
T readers	F devanagari_reorder_pre_base_reordering_consonants
F getinfo	F devanagari_reorder_reph
F loadfont	F gpos_context
F loadshapes	F gpos_contextchain
F setfeatures	F gpos_cursive
B syncspace	F gpos_mark2base
N version	F gpos_mark2ligature
T otf	F gpos_mark2mark
F addfeature	F gpos_pair
F basemodeinitializer	F gpos_single
D cache	F gsub_alternate
F collectlookups	F gsub_context
T coverup	F gsub_contextchain
T actions	F gsub_ligature
F alternate	F gsub_multiple
F chainposition	F gsub_reversecontextchain
F chainsubstitution	F gsub_single
F kern	F trigger_space_kerns
F ligature	T helpers
F multiple	F blockligatures
F pair	F pardirstate
F single	F txtfirststate
F substitution	F load
F register	F loadoutlinedata
S stepkey	F loadstreamdata
F dataset	F modeinitializer
F datasetpositionprocessor	D mpscache

D pdfcache	T gsubhandlers
F plugininitializer	F alternate
F pluginprocessor	F chainedcontext
T plugins	F context
T text	F extension
D pngcache	F ligature
B pngenabled	F multiple
T readers	F reversechainedcontextsingle
F addunicodetable	F single
F avar	F gvar
F cbdt	F head
F cblc	T helpers
F cff	F axistofactors
F cff2	F cleanname
T cffencoder	F getaxisscale
F checkhash	F getfactors
F cmap	F getscales
F colr	F gotodatatable
F compact	F normalizedaxis
F condense	T normalizedaxisishash
F cpal	F readvariationdata
F dsig	F reportskippedtable
F ebdt	F setvariabledata
F eblc	F hhea
F ebsc	F hmtx
F expand	F hvar
F extend	F kern
F fvar	F loadfont
F gdef	F loadshapes
F getcomponents	F loca
F getinfo	F math
F glyf	F maxp
F gpos	F mvar
T gposhandlers	F name
F chainedcontext	F os/2
F context	F pack
F cursive	F parsecharstrings
F extension	F post
F marktobase	F potracetocff
F marktoligature	F registerextender
F marktomark	F rehash
F pair	F sbix
F single	F stat
F gsub	T streamreader

F close	F writecardinal1
F getposition	F writecardinal1le
F getsize	F writecardinal2
F look	F writecardinal2le
F open	F writecardinal3
F read2dot14	F writecardinal3le
F readbyte	F writecardinal4
F readbytes	F writecardinal4le
F readbytetable	F writeinteger1
F readcardinal	F writeinteger1le
F readcardinal1	F writeinteger2
F readcardinal1le	F writeinteger2le
F readcardinal2	F writeinteger3
F readcardinal2le	F writeinteger3le
F readcardinal3	F writeinteger4
F readcardinal3le	F writeinteger4le
F readcardinal4	F writestring
F readcardinal4le	F stripredundant
F readcardinaltable	F svg
F readchar	N tableversion
F readcline	F unifymissing
F readcstring	F unpack
F readfixed2	F vhea
F readfixed4	F vmtx
F readinteger	F vorg
F readinteger1	F vvar
F readinteger1le	F woff2otf
F readinteger2	F registerpalette
F readinteger2le	F registerplugin
F readinteger3	F reorderlookups
F readinteger3le	F scriptandlanguage
F readinteger4	F setdynamics
F readinteger4le	F setfeatures
F readintegertable	T statistics
F readsignedbyte	D usedfeatures
F readstring	D svgcache
F readtag	B svgenabled
F setposition	T tables
F size	D baselines
F skip	D features
F skiplong	D featuretypes
F skipposition	D languages
F skipshort	D scripts
F writebyte	F texthandler

T vectors	F combine	
T arab	T combiner	
T gpos	D commands	
N curs	D helpers	
N kern	D math	
N mark	D predefined	
N mkmk	N version	
T gsub	D whatever	
N calt	F hashfeatures	
N ccmp	F hashinstance	
N cswh	T hashmethods	
N dlig	F normal	
N fina	F virtual	
N init	F initializefeatures	
N isol	D loadedfonts	
N liga	N noffontsloaded	
N medi	N nofsharedfonts	
N mset	N nofsharedhashes	
N rclt	N nofsharedvectors	
N rlig	N privateoffset	
N version	D privateslots	
T pfb	F readanddefine	
F filterencoding	F registerfeature	
F filtermetadata	F registerscriptset	
F loadvector	F resetfeature	
N version	B resolvevirtualtoo	
T tfm	F scale	
D cache	F scaled	
D features	F setfactor	
N maxnestingdepth	F setfeature	
N maxnestingsize	F setmathparameter	
T readers	F setname	
F loadpk	B sharefonts	
F loadtfm	F trytosharefont	
F loadtfmvf	N version	
F loadvf	current	function
F pktopdf	currentid	function
F potracetopdf	definers	table
F showpk	F addlookup	
F reencode	F analyze	
F setfeatures	F applypostprocessors	
N version	F checkedmode	
T vf	F checkedscript	
T combinations	S defaultlookup	

- F define
- F getspecification
- F internal
- F loadfont
- F makespecification
- T methods
 - F install
 - D variants
- F read
- F register
- F registered
- F registerfallbackfont
- F registersplit
- F resetnullfont
- F resolve
- T resolvers
 - F file
 - F name
 - F spec

definetypface function

dropins table

- F clone
- F getshape
- F getshapes
- F nextid
- F provide
- F registerglyph
- F registerglyphs
- F swap
- F swapone

effects table

encodings table

- T agl
 - D ctxcodes
 - D extras
 - D synonyms
 - D unicodes
- D cache
- F is_known
- D known
- F load
- F make_unicode_vector
- D math
- N version

- enhanceid** function
- expansions** data table
- formats** data table
- getalternate** function
- getindices** function
- getkern** function
- getmultiple** function
- getsubstitution** function
- getters** table

- T alternate
 - F opentype
- T kern
 - F opentype
 - F type1
 - F type3
- T multiple
 - F opentype
- T substitution
 - F opentype

goodies table

- D colorschemes
- T data
 - T common-math.lfg
 - S author
 - S comment
 - S copyright
 - B initialized
 - T mathematics
 - T tweaks
- T presets
 - F addmathkerns
 - F braille
 - F eulertocalligraphic
 - F fallbacks
 - F moderntocalligraphic
 - F moveintegrals
 - F moveitalics
 - F pagellaradical
 - F rsfstoscript
 - F rsfsuprighttoscript
 - F scripttocalligraphic
 - F smalldigits
 - F wipeanchors
 - F wipeitalics

- F xitsarabic
- S name
- S version
- T dejavu-math
 - S author
 - S comment
 - S copyright
 - B initialized
 - T mathematics
 - T alternates
 - T dotless
 - S comment
 - S feature
 - N value
 - T bigslots
 - T parameters
 - N AccentBaseDepth
 - N AccentTopShiftUp
 - N DelimiterDisplayPercent
 - N DelimiterDisplayShortfall
 - N DelimiterPercent
 - N DelimiterShortfall
 - N DisplayOperatorMinHeight
 - N FlattenedAccentTopShiftUp
 - N FractionRuleThickness
 - S PrimeBaselineDropMax
 - S PrimeShiftUp
 - S PrimeShiftUpCramped
 - N SubscriptShiftDown
 - S SubscriptShiftDownWithSuperscript
 - N SuperscriptShiftUp
 - T tweaks
 - T aftercopying
 - S name
 - S version
- T dejavu-text
 - S author
 - S comment
 - S copyright
 - T extensions
 - B initialized
 - S name
 - S version
- D designsizes

- D filenames
- F getcompositions
- T list
- F load
- F prepare_features
- F register
- F registerpostprocessor
- F report
- T suffixes

handlers	table
hashes	table

- D characters
- D classes
- D csnames
- D descriptions
- D dynamics
- D emwidths
- D exheights
- D features
- D identifiers
- D italics
- D lastmathids
- D marks
- D mathparameters
- D modes
- D originals
- D parameters
- T processes
- D properties
- D quads
- D resources
- T setdynamics
- T shapes
- D spaces
- D spacings
- T streams
- D unicodes
- D unislots
- D variants
- D xheights

helpers	table
----------------	-------

- F addextraprivate
- F addprivate
- F appendcommands

F appendcommandtable
 F checkflags
 F checkmerge
 F checksteps
 F collectanchors
 F combineglyphs
 D commands
 F composecharacters
 F descriptiontoslot
 F dimenfactor
 F expandglyph
 D extraprivates
 F fontpatternhassize
 F getcoloredglyphs
 F getdigitwidth
 F getinstancespec
 F getparameters
 F getprivatecharornode
 F getprivatenode
 F getprivates
 F getprivateslot
 F glyphdimenfactor
 F hasprivate
 F indextoslot
 F isprivate
 F mathscriptslots
 F name
 F nametoslot
 F newprivateslot
 F prependcommands
 F prependcommandtable
 F privateslot
 F registerglyphbox
 F scalecommands
 F setboxdirectly
 F setboxglyph
 F setboxglyphs
 F setdigitwidth
 F setmetaglyph
 F setmetaglyphs
 D sharedprivates
 F splitfontpattern
 F tochar
 T vfinjectors

F startcolor
 F stopcolor
 T vfspecials
 T backgrounds
 T outlines

infofont function
iterators table

F characters
 F descriptions
 F glyphs
loggers table
 F format
 F onetimemessage
 F register
 F reportdefinedfonts
 F reportusedfeatures

mappings table

F addtounicode
 F fromunicode16
 F getentry
 F loadfile
 F loadline
 F makenameparser
 D overloads
 F reset
 F tounicode
 F tounicode16
 F tounicode16sequence

metapost table

F baseline
 F boundingbox
 F boxtomp
 F boxtompdimensions
 F boxtompposition
 F draw
 F fill
 F glyph
 F maxbounds
 F paths
 F widthline
 F zeroline

mode function
names data table
nulldata data table

privateoffsets	table	F registerfallback	
B keepnames		F registerfiles	
N mathbase		F registerfontalternative	
N mathextrabase		F registerfontfamily	
N textbase		F textfallback	
N textextrabase		F typeface	
protrusions	data table	F typescript	
readers	table	F userdata	
F afm		specifiers	table
F check_lua		D contextmerged	
F check_tfm		F contextnumber	
F lua		D contextnumbers	
F ofm		D contextsetups	
F opentype		F contexttostring	
F otf		F definecontext	
F pfb		F mergecontext	
D sequence		F presetcontext	
F tfm		F registercontext	
F ttc		T scriptsets	
F ttf		T af	
F woff		S language	
registersanitizer	function	N number	
reserveid	function	S script	
select	table	T always	
D alternatives		S autolanguage	
F bodyfont		S autoscript	
D data		B checkmissing	
F default		B compoundhyphen	
D defaults		B curs	
F definefallbackfamily		B kern	
F definefontfamily		B mark	
F definefontfamilypreset		B mkmk	
D extras		S mode	
F fallback		N number	
D fallbacks		S script	
F features		S textcontrol	
F filefallback		B wipemath	
F fontdata		T arabic	
F fontfallback		B analyze	
F fontsynonym		S autolanguage	
F goodies		S autoscript	
F mathfallback		B calt	
D methods		B ccmp	
D presets		B clig	

B curs	B pstf
B dlig	B psts
B fina	B rphf
B init	S script
B isol	B vatu
B kern	T bengali-two
S language	B abvm
B liga	B abvs
B mark	B akhn
B medi	B blwf
B mkmk	B blwm
S mode	B blws
N number	B calt
B rlig	B cjct
S script	B dist
T ba	B half
S language	B haln
N number	S indic
S script	B init
T bandw:overlay	B kern
B ccmp	S language
B dist	B locl
N number	S mode
T bengali-one	B nukt
B abvm	N number
B abvs	B pres
B akhn	B pstf
B blwf	B psts
B blwm	B rphf
B blws	S script
B calt	B vatu
B cjct	T boldened
B dist	S effect
B half	N number
B haln	T boldened-10
S indic	S effect
B init	N number
B kern	T boldened-15
S language	S effect
B locl	N number
S mode	T boldened-20
B nukt	S effect
N number	N number
B pres	T boldened-25

S effect	B liga
N number	B mark
T boldened-30	B mkmk
S effect	S mode
N number	N number
T ca	S script
S language	S textcontrol
N number	B wipemath
S script	T cy
T camelcasing	S language
B camelcasing	N number
N number	S script
T cn	T cz
S language	S language
N number	N number
S script	S script
T color	T de
B ccmp	S language
S color	N number
B dist	S script
N number	T default
T color:bitmap	S autolanguage
B ccmp	S autoscript
B dist	B checkmissing
N number	B compoundhyphen
B sbix	B curs
T color:overlay	B itlc
B ccmp	B kern
B colr	B liga
B dist	B mark
N number	B mkmk
T color:svg	S mode
B ccmp	N number
B dist	S script
N number	S textcontrol
B svg	B wipemath
T complete	T deo
S autolanguage	S language
S autoscript	N number
B checkmissing	S script
B compose	T devanagari-one
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B calt	S goodies
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B dist	N number
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B haln	T es
S indic	S language
B kern	N number
S language	S script
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B rkrf	N number
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S script	N number
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B haln	B blwm
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F MPpos	
F MPp	

F arraycompare	F boxlinelp
F arrayequals	F boxlinels
F arrayvalue	F boxlinemaxdp
F ascender	F boxlinemaxht
F askedreference	F boxlinemaxwd
F assignbuffer	F boxlinend
F async	F boxlinenh
F attachinsertion	F boxlinenw
F attachinsertions	F boxlinerrh
F atwordboundary	F boxlinerp
F autofinishstructurelevels	F boxliners
F autoinsertnextspace	F boxlines
F automigrationcodestring	F boxlinewd
F autonextstructurelevel	F boxoptioncodestring
F autorule	F boxrangedp
F autosetups	F boxrangeht
F autostarttext	F boxrangewd
F autostoptext	F boxtostring
F badnessmodecodestring	F bposcolumn
F balanceshapeextra	F bposcolumnregistered
F benchmarktimer	F bs
F bf	F btxabbreviatedjournal
F bi	F btxaddentry
F bitmapimage	F btxaddjournal
F bitwise	F btxauthor
F bitwiseand	F btxauthorfield
F bitwiseflip	F btxauthortoregister
F bitwisetil	F btxcmdstring
F bitwisetil	F btxcollectlistentries
F bitwisetil	F btxcurrentfirstnames
F bitwisetil	F btxcurrentinitials
F bitwisetil	F btxcurrentjuniors
F bitwisetil	F btxcurrentsurnames
F bitwisetil	F btxcurrentvons
F blockcolumnset	F btxdetail
F blockligatures	F btxdirect
F boolcase	F btxdoif
F boxdir	F btxdoifelse
F boxline	F btxdoifelsecitedone
F boxlinedp	F btxdoifelsecombiinlist
F boxlineht	F btxdoifelsematches
F boxlineil	F btxdoifelsesameasprevious
F boxlinein	F btxdoifelseuservariable
F boxlineir	F btxdoifnot
F boxlinelh	

F btxentrytobuffer	F checkedemoji
F btxentrytostring	F checkedpagefloat
F btxexpandedjournal	F checkinjector
F btxfetchlistentries	F checkinterfacechain
F btxfield	F checkmarkedpages
F btxfirstofrange	F checknesting
F btxflush	F checkstrutdepth
F btxflushlistcombi	F chemicalcomponent
F btxflushlistentry	F chinesenumerals
F btxflushlisttag	F chr
F btxflushmarked	F classoptioncodestring
F btxflushpages	F cleancolumnset
F btxhandlecite	F cleanfontname
F btxhandlenocite	F cleanupattributes
F btxlastofrange	F cleanupbox
F btxlistvariant	F cleanuplayers
F btxloaddefinitionfile	F clonefield
F btxloadjournalist	F closein
F btxloadreplacementfile	F closeout
F btxmissing	F codedef
F btxoneorrange	F collectedmath
F btxpreparelistentries	F collectfloat
F btxremapauthor	F collecthelp
F btxsavedataset	F columnsetbalancefirst
F btxsavejournalist	F columnsetbalancelast
F btxsetdataset	F columnsetbalancepage
F btxsetentry	F columnsetcolumnwidth
F btxsetregister	F columnsetdisablewide
F btxsetspecification	F columnsetenablewide
F btxshortcut	F columnsetgoto
F btxshowauthorremapping	F columnsethascontent
F btxsingularorplural	F columnsethspace
F btxtoregister	F columnsetlastfuture
F btxusedataset	F columnsetlastmvl
F btxuservariable	F columnsetlimit
F build_page_after_shipout	F columnsetnoto
F build_page_before_shipout	F columnsetresetdirect
F build_page_setup	F columnsetresetshapeextra
F capheight	F columnsetreshape
F charactercontrolcodestring	F columnsetsblockrows
F chardescription	F columnsetsetshapeextra
F checkcolumnset	F columnsetshape
F checkcountersetup	F columnsetshapebalancecheck
F checkedconversion	F columnsetshapebalanceextend

F columnsetshapecolumn	F day
F columnsetshapecount	F daymnem
F columnsetshapeindex	F dayname
F columnsetshapepage	F decimals
F columnsetshapetbalancerange	F decrementcounter
F columnsetshapslots	F decrementsubcounter
F columnsetshapspread	F deferredenhancelist
F columnsetshapevsize	F deferredenhancereference
F columnsetshapeworst	F deferredenhanceregister
F columnsetshowgrid	F defineaccents
F columnsetshowshape	F defineattribute
F columnsetshowtracedgrid	F defineboundary
F columnsetstate	F definebreakpoint
F columnsetstatus	F definebreakpoints
F combineglyphs	F definecharacterspacing
F component	F definechemical
F concatcommalist	F definecolumnset
F consultfloat	F defineconversion
F continueifinputfile	F definecounter
F convertbtxdatasettoxml	F definedlayoutcomponent
F converteddimen	F definefallbackfamily
F converttmpstopdf	F definefield
F copyboxfromcache	F definefieldset
F copyboxline	F definefilefallback
F copyposition	F definefilesynonym
F cos	F definefont_one
F cosd	F definefont_two
F ctxfunction	F definefontcolorpalette
F ctxluamatch	F definefontfamily
F ctxluamatchfile	F definefontfamilypreset
F ctxresetter	F definefontfeature
F ctxscanner	F definefontscriptset
F currentcomponent	F definefontsolution
F currentdate	F definehyphenationfeatures
F currentdesignsize	F defineinsertion
F currentenvironment	F defineintermediatecolor
F currentfontinstancespec	F definelabcolorglobal
F currentposthyphenchar	F definelabcolorlocal
F currentprehyphenchar	F definelabels
F currentproduct	F definelanguage
F currentproject	F definelinkedlist
F currentsectiontolist	F definemathpreset
F datasetsize	F definemultitonecolorglobal
F datasetvariable	F definenamespace

F definenote	F doifcounter
F defineparallel	F doifelse
F defineparbuilder	F doifelseblack
F defineprocesscolordummy	F doifelseboxincache
F defineprocesscolorglobal	F doifelsebuffer
F defineprocesscolorlocal	F doifelsebufferempty
F defineprogram	F doifelsecharinfo
F definereference	F doifelseconverter
F defineregister	F doifelsecounter
F definesectionlevels	F doifelsecurrentfontfeature
F definespotcolorglobal	F doifelsedimenstring
F definestructureblock	F doifelsedrawingblack
F definestructureset	F doifelsefieldcategory
F definesubcolumnset	F doifelsefieldset
F definetransparency	F doifelsefiledefined
F definetransparencyglobal	F doifelsefileexist
F definetypeface	F doifelsefirstchar
F defineviewerlayer	F doifelsefirstsectionpage
F delayedcolumnsetsheet	F doifelsefontfeature
F depthnumber	F doifelsefontpresent
F depthofstring	F doifelseindented
F descender	F doifelseinelement
F detachinsertions	F doifelseinputfile
F diagnostic	F doifelseleapyear
F digits_normal	F doifelselistsentry
F digits_reverse	F doifelselistsnumber
F directboxfromcache	F doifelselistspage
F disableautofontscript	F doifelselistsastitle
F disablecollectingmath	F doifelsemarkedcontent
F disabledirectives	F doifelsemarkedpage
F disableexperiments	F doifelsemessage
F disablejobsave	F doifelseobjectfound
F disableparbuilder	F doifelseobjectreferencefound
F disableregime	F doifelseoldversion
F disablespellchecking	F doifelseoverlapping
F disablestatetriggering	F doifelseparallel
F disablestream	F doifelseparentfile
F disabletrackers	F doifelsepathexist
F discardfromlist	F doifelsependingpagecontent
F discoptioncodestring	F doifelseposition
F disposeboxesincache	F doifelsepositiononpage
F disposeluatable	F doifelsepositionsonsamepage
F doanalyzeframedbox	F doifelsepositionsonthispage
F doif	F doifelsepositionsused

F doifelserangeonpage	F droptablegroup
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F doifelserereferencechecked	F elapsedtime
F doifelserereferenced	F embedimagefromstore
F doifelserightttoleftinbox	F enablealignmentcharacter
F doifelsesame	F enablealignskips
F doifelsesomething	F enableasciimode
F doifelsespaces	F enableautofences
F doifelsestackedfloats	F enableautofontscript
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F doifelsesynonymshown	F enablebackgroundboxes
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F doifelseutfmathaccent	F enablecolorintents
F doifelseutfmathfiller	F enablecrlf
F doifelseutfmathlimop	F enabledirectives
F doifelsevalidhashedfiles	F enabledriver
F doifelsevisualizer	F enableexperiments
F doifmarkedpage	F enablefontcolor schemes
F doifnot	F enablehidecontent
F doifnotcounter	F enablemathalignrelocate
F doifnotecontent	F enablematrixornaments
F doifnoteonsamepageasprevious	F enablematrixrules
F doifnotsame	F enableparbuilder
F doifnotthing	F enableregime
F doifposition	F enablescriptunstacking
F doifsame	F enablesidefloatchecker
F doifsomething	F enablespellchecking
F doifunknownfontfeature	F enablestacking
F domainattribute	F enablestatetriggering
F doreshapeframedbox	F enablestream
F doresyncframedbox	F enableswapping
F dosaveposition	F enabletighten
F dosavepositionplus	F enabletrackers
F dosavepositionwhd	F enabletransparency
F dosetposition	F enableutf
F dosetpositionbox	F enhancelinkedlist
F dosetpositionplus	F enhancelist
F dosetpositionstrut	F enhanceregister
F dosetpositionstrutkind	F enhancesynonym
F dosetpositionwhd	F environment
F dostarttextfile	F eposcolumn
F dostoptextfile	F eposcolumnregistered
F doublescriptmodecodestring	F erasebuffer

F execute	F flushpostponedblocks
F exportbox	F flushpostponednotes
F exportformdata	F flushstream
F exportreferences	F flushstreamcopy
F expression	F fontchar
F extendregister	F fontcharbyindex
F extendregisterlate	F fontcollectionclone
F extensiblecode	F fontcollectiondefine
F fakeword	F fontcollectionprepare
F featureattribute	F fontcollectionregister
F feedback	F fontcollectionreport
F fetchlanguagetext	F fontcollectionreset
F fetchmultipar	F fontlookupgetkey
F fetchposboxes	F fontlookupgetkeyofindex
F fetchterminaldata	F fontlookupinitialize
F figure_flush_registered_pages	F fontlookupnofound
F figure_mergegoodies	F forceendjob
F figure_nof_registered_pages	F forcepageflush
F figure_register_page	F forcequitjob
F figuresetdimensions	F forcestrutdepth
F filebasename	F format
F filedirname	F formatcolor
F filenameonly	F formatgray
F filesuffix	F formatluminance
F filterdefaultreference	F formatluminanceratio
F filterreference	F formatone
F finalizeobjectbox	F framedoutline
F finalizeshipoutbox	F from
F findregisterinternal	F frozenparcodestring
F finishcolumnsetflush	F frule
F finishexport	F getMPdata
F firstinset	F getbidimode
F firstsectionpage	F getbodyfontsizes
F firstsubcountervalue	F getboxcountfromcache
F flagcodestring	F getboxdpfromcache
F flushcolumnsetareas	F getboxfromcache
F flushcolumnsetcolumn	F getboxhtdpfromcache
F flushfloat	F getboxhtfromcache
F flushlabeledfloat	F getboxwdfromcache
F flushnoterange	F getbuffer
F flushnotes	F getbuffercontent
F flushpageblocks	F getbuffercxtlua
F flushpageinjectionsafter	F getbuffermkvi
F flushpageinjectionsbefore	F getbuffertex

F getcharactercasingcategory	F getrandomnumber
F getclubpenalties	F getrandomseed
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F getcurrentreferencelabel	F getreferencesectionnumber
F getcurrentreferencemetadata	F getrivers
F getdefaultfieldvalue	F getsetupstring
F getdisplaywidowpenalties	F getshapeparameter
F getdocumentargument	F getsomefullstructurenumber
F getdocumentfilename	F getsomestructurenumber
F getfieldcategory	F getspecificstructuretitle
F getfile	F getstructurelevel
F getfirstcharacter	F getstructurenumber
F getfloatvariable	F getsubstring
F getfromluatable	F getsynchronizemarking
F getfullstructurenumber	F geturl
F getinterlinepenalties	F getvisual
F getinternalcachedlistreference	F getwidowpenalties
F getinternallistreference	F globalpopmacro
F getinternalorderreference	F globalpushmacro
F getmathblobindex	F gluetoinesinbox
F getmathblobmapping	F glyphoptioncodestring
F getmathcharone	F gobblenestd
F getmathchartwo	F gotocolumnsetslot
F getmathmathblob	F grabbuffer
F getmathtextblob	F groupcodestring
F getmathvariant	F groupsetgroup
F getmessage	F grph_nodes_initialize
F getmpextensions	F grph_nodes_register
F getnaturaldimensions	F grph_nodes_reset
F getnaturalwd	F grph_nodes_resolve
F getnofpreviouslines	F handlemathhang
F getnotestate	F hboxtovbox
F getobjectdimensions	F heightofstring
F getobjectreference	F helpaction
F getobjectreferencepage	F helpreference
F getparshape	F hour
F getparwrapper	F hpackbox
F getprivatechar	F hpackedbox
F getprivateglyphslot	F hsplit
F getprivatemathchar	F hyphenateddigits
F getprivateslot	F hyphenatedlist
F getprogram	F hyphenationcodestring
F getrandomdimen	F ic
F getrandomfloat	F idxfromluatable

F if_common	F injectcurrentreferencehtdp
F ifallmodes	F injectdisable
F ifbitwiseand	F injectnowhite
F ifblobindexdone	F injectreference
F ifboxhaslist	F injectvpenalty
F ifcommon	F injectvskip
F ifeof	F injectvspacing
F ifgluelineinbox	F injectzerobaselineskip
F ifinset	F inlinechemical
F iflua	F inputfilebarename
F ifmode	F inputfilename
F ifmodes	F inputfilerealsuffix
F ifmvl	F inputfilesuffix
F ifpositunum	F insertattachment
F ifsetups	F insertcomment
F ifsystemmode	F insertfield
F iftext	F insertionnumber
F ifxml	F insertrenderingwindow
F ifxmlatt	F inspectluatable
F ifxmlattempy	F installedlanguages
F ifxmlempty	F installtexdirective
F ifxmlselfempty	F installtexexperiment
F ifxmltext	F installtextracker
F ignorefile	F interceptsamepagecontent
F ignoretagsinexport	F it
F immediatemessage	F jobfilefullname
F includesvgbuffer	F jobfilename
F includesvgfile	F jobfilesuffix
F incrementcounter	F jobposd
F incrementsubcounter	F jobposh
F inhibitprimitive	F jobposp
F initializeexport	F jobposw
F initializejob	F jobposx
F initializemathcollapsing	F jobposy
F initializemathfencing	F languagecharwidth
F initializemathitalics	F languagenumber
F initializemathkernpairs	F lastblobindex
F initializemathnumbers	F lastnodeequals
F initializemathspacing	F lastnodeid
F initializestream	F lastnodeidstring
F initializetexdirectives	F lastnodesubtypestring
F initializetexexperiments	F lastparwrapper
F initializetextrackers	F lastrpos
F injectcurrentreference	F lastsavedboxresourceindex

F lastsavedimageresourceindex	F loadluamodule
F lastsavedimageresourcepages	F loadmapfile
F lastsectionpage	F loadmapline
F lastsubcountervalue	F loadspellchecklist
F lastunitstring	F loadtexfile
F lastxpos	F loadtexfileonce
F lastypos	F loadtypescriptfile
F lateindent	F loadvisualizer
F latelua	F loadxmlfile
F lateundent	F loadxmlfileonce
F lchexnumber	F localanchorx
F lchexnumbers	F localanchory
F leapyear	F localboxindent
F limited	F localboxindex
F linebuffering	F localboxlefthang
F linedir	F localboxleftoffset
F lineprofilebox	F localboxleftskip
F linesegment	F localboxlinenumber
F listanchorcodestring	F localboxlinewidth
F listbookmark	F localboxlocalwidth
F listexternal	F localboxmarkonce
F listgroupindex	F localboxovershoot
F listlabel	F localboxparfillleftskip
F listlocation	F localboxparfillrightskip
F listnamespaces	F localboxparinitleftskip
F listprefixednumber	F localboxparinitrightskip
F listprefixedpage	F localboxprogress
F listrawnnumber	F localboxrighthang
F listrawrealpage	F localboxrightoffset
F listrawuserpage	F localboxrightskip
F listsigncodestring	F localpopmacro
F listsize	F localpushmacro
F listtitle	F locatefilepath
F listuserdata	F loopcs
F lmt_parameters_define	F loopcsn
F lmt_parameters_preset	F lousiness
F lmt_parameters_reset	F luacardinal
F loadcldfile	F luacount
F loadcldfileonce	F luadimen
F loadexamodes	F luaexpression
F loadfontgoodies	F luafloat
F loadlibrary	F luainteger
F loadluafile	F luanumber
F loadluafileonce	F luarandom

F luascript	F mpblobtext
F luathread	F mpcolor
F lxmlid	F mpgetblob
F manipulated	F mpgettext
F markblobindexdone	F mpgraphic
F markcontent	F mpgraphictexttoks
F markedpageparameter	F mpoptions
F markedpages	F mpoutlinetoks
F markingnumber	F mppopvariables
F markingtitle	F mppushvariables
F markinjector	F mprunset
F markpage	F mpruntab
F markregionbox	F mprunvar
F markregionboxcorrected	F mpsetclippath
F markregionboxtagged	F mpsetoutercolor
F markregionboxtaggedkind	F mpsetsxxy
F markregionboxtaggedn	F mpsettext
F markvisualfonts	F mptexget
F mathclassvalue	F mptexreset
F mathcontrolcodestring	F mptexset
F mathhorizontalcode	F mptexsetfrombuffer
F mathoptioncodestring	F mptexttoks
F mathrenderset	F mvloptioncodestring
F mathvariantcode	F namedstructureuservariable
F mathvariantcount	F namedstructurevariable
F mathvariantslot	F naturalwd
F maxbufferwidth	F negatedcolorcomponent
F message	F newarray
F metapostescaped	F newhashedtable
F metapostformatted	F newindexedtable
F metapostgraphformat	F newluatable
F minute	F newparwrapper
F mixcleanup	F newrepeatablerandom
F mixfinalize	F newstacking
F mixflushlist	F nextparallel
F mixflushrest	F nextsubcountervalue
F mixgetsplit	F nodimen
F mixsetsplit	F nofbufferlines
F mixstate	F nofconversions
F modecodestring	F nofdays
F molecule	F nofdetachedinsertions
F month	F noflinesinbox
F monthnmn	F nofmathvariants
F monthname	F nofstackedfloats

F nologbuffering	F pdfbackendsetname
F normalizecodestring	F pdfbackendsetpageattribute
F normalizedbodyfontsize	F pdfbackendsetpageresource
F normalizeparcodestring	F pdfbackendsetpagesattribute
F notedeltapage	F pdfbackendsetpattern
F noteinternal	F pdfbackendsetshade
F notelistindex	F pdfcolor
F noteprefixednumber	F pdfextension
F notetitle	F pdffeedback
F ntb_split_section_check	F pdflastobj
F ntb_split_section_fetch	F pdfliteral
F ntb_split_section_locate	F pdfobj
F ntb_split_section_reset	F pdfrefobj
F ntimes	F pdfsetuserdata
F number	F pdfvariable
F numbers	F percentageof
F objectreference	F pfabs
F objectreferencepage	F pfacos
F octnumber	F pfacosh
F openin	F pfasin
F openout	F pfasinh
F operatingsystem	F pfatan
F ordinal	F pfatanh
F outputfilename	F pfatantwo
F overloadbookmark	F pfceil
F overloadlowercase	F pfcos
F overloadsattribute	F pfcosh
F overloaduppercase	F pfdeg
F pageblockrealpage	F pfexp
F pageofinternal	F pffloor
F pageoverflow	F pflog
F pagestaterealpage	F pfmod
F pagestaterealpageorder	F pfpow
F parcontextcodestring	F pfrad
F pardir	F pfrem
F parpasscallback	F pfround
F parpassidentifier	F pfsin
F parpos	F pfsinh
F partriggercodestring	F pfsqrt
F pdfbackendcurrentresources	F pftan
F pdfbackendsetcatalog	F pftanh
F pdfbackendsetcolorspace	F pgfxcolorspec
F pdfbackendsetextgstate	F pickupbuffer
F pdfbackendsetinfo	F pickupmarkedcontent

F pickuppunctuation	F processsplit
F placeparallel	F processsynonyms
F popfloat	F product
F pophyphenation	F profilebox
F poplist	F profilemacro
F poplocalanchors	F project
F poplogfile	F pruneboxesincache
F popparagraphtweak	F purefontname
F poppath	F pushfloat
F poprandomseed	F pushhyphenation
F popreferenceprefix	F pushlist
F popregime	F pushlocalanchors
F poprunstate	F pushlogfile
F popsectionblock	F pushparagraphtweak
F positunum	F pushpath
F positunumdef	F pushrandomseed
F postlistbox	F pushreferenceprefix
F postlistcopy	F pushregime
F postponenotes	F pushrunstate
F prefixedconverted	F pushsectionblock
F prelistbox	F pushstream
F prelistcopy	F putboxincache
F preparecolumnsetflush	F putincolumnset
F prerolledpages	F putincolumnsetdirect
F presetcolumnsetsheets	F putnextboxincache
F presetcolumnsetspreadsheets	F qrbuffer
F presetmathematics	F qrstring
F presetmathfontalternate	F rawMPdata
F presetsymbollist	F rawcharacter
F previoussubcountervalue	F rawsetupstring
F privatecharacter	F rawsubcountervalue
F privatecharactercode	F read
F processbodyfontsizes	F readfromterminal
F processbuffer	F readline
F processcollectedmath	F readlinedirect
F processedfile	F recolorbox
F processedfiles	F referencecolumn
F processfile	F referencepagedetail
F processfilemany	F referencepagestate
F processfilenone	F referenceposx
F processfileonce	F referenceposy
F processjob	F referencerealpage
F processlist	F registeranchorbox
F processregister	F registerattachment

F registerbackendsymbol	F registertransliteration
F registerbackground	F registerunit
F registerbodyfontsize	F registerunitshortcut
F registerbookmark	F registerunknownbodysize
F registerboxglyph	F registerusedsynonym
F registerbuttons	F registeruserdata
F registercolorintent	F registerverbosemathlabel
F registercolumnsetarea	F removelastline
F registercolumnsetsheet	F renderingvar
F registercolumnsetspreadsheets	F reorderfloats
F registerengineclass	F replacefeature
F registerfallbackfont	F replacepospxywhd
F registerfiguremask	F replacewildcard
F registerfigurepattern	F reportstructure
F registerfigurerange	F resavefloat
F registerfiguresuffix	F reservedautoregiontag
F registerfilescheme	F resetMPinstance
F registerfontalternative	F resetalternate
F registerfontfamily	F resetbackgroundrowdata
F registerforcedbreak	F resetboxesincache
F registergroupset	F resetcharacteralign
F registerhashedfiles	F resetcolumnset
F registerhelp	F resetcomparingtext
F registerhyphenationexception	F resetcounter
F registerhyphenationpattern	F reseteffect
F registeritemgroup	F resetfeature
F registerlabel	F resetfontfeature
F registerlanguagefeatures	F resetfontsolution
F registerlinenumbering	F resetforcedbreak
F registermaintextcolor	F resetinjector
F registermpextensible	F resetlogfile
F registernamedlua	F resetmapfiles
F registernamespace	F resetmathattributes
F registerobject	F resetnullfont
F registerpattern	F resetparallel
F registerpostponedblock	F resetpath
F registerreferencedobject	F resetreference
F registerrendering	F resetscript
F registersection	F resetstructureprocessor
F registershownsynonym	F resetsubcounter
F registersnaprange	F resetsynchronizemarking
F registerstructureprocessor	F resetsynonyms
F registersynchronize	F resettimer
F registersynonym	F resettrackers

F resolvedemoji	F setadaptive
F restartcounter	F setalternate
F restartsubcounter	F setautoprefix
F restorecounter	F setbackgroundrowdata
F restorecurrentattributes	F setboxglyph
F restorenote	F setboxline
F restoreobject	F setbreakpoints
F reuserandomseed	F setcharacteralign
F reversevboxcontent	F setcharacteraligndetail
F revivefeature	F setcharactercasing
F rightmathkern	F setcharactercleaning
F romannumerals	F setcharacterkerning
F rotateparshape	F setcharacterspacing
F rounded	F setcharacterstripping
F roundedfill	F setcloseddocumentaction
F roundedoutline	F setclosepageaction
F ruby	F setcolormodel
F ruleoptioncodestring	F setcolumnsetarea
F runcontextjob	F setcolumnsetlines
F safechar	F setcolumnsetmvl
F samplefile	F setcolumnsetpresent
F saveboxresource	F setcolumnsetproperties
F savebuffer	F setcolumnsetstart
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F savecurrentattributes	F setcomparingtext
F savecurrentvalue	F setcounter
F savedlistnumber	F setdataset
F savedlistprefixednumber	F setdestinationattribute
F savedlisttitle	F setdigitsmanipulation
F savefloat	F setdirection
F saveimageresource	F setdocumentargument
F savemargindata	F setdocumentcommandline
F savenote	F setdocumentctxfile
F savepagedata	F setdocumentdefaultargument
F savepageinjections	F setdocumentenvironments
F saveparallel	F setdocumentfilename
F savepos	F setdocumentfilenames
F savespecificfloat	F setdocumentmodes
F savestructureblock	F setdocumentmodules
F scangivendimensions	F seteffect
F scriptsmodecodestring	F setelementbackendtag
F second	F setelementnature
F selectstructureblock	F setextrafontkerns
F set_extensible_data	F setfieldcalculationset

F setfigureconversion	F setmathvariant
F setfigurelookuporder	F setmetaglyph
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F setfontsolution	F setnextreferenceorder
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F setsizecolumnspan	F setowncounter
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F setinterfacevariable	F setprofile
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F setitaliccorrection	F setrealign
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F setjobcomment	F setreferencelinkmethod
F setlanguageexceptions	F setregionbox
F setlanguageoptions	F setregionboxtagged
F setlanguagepatterns	F setregistermethod
F setlanguagesynonym	F setreplacements
F setlinefiller	F setruby
F setlineprofile	F setrule
F setlocalalignanchor	F setscript
F setlocalmarkanchor	F setsectionblock
F setlocalsyncanchor	F setsectionentry
F setluatable	F setshadow
F setmathalphabet	F setshift
F setmathattribute	F setsofthyphens
F setmathfontalternate	F setsplitlisthtdp
F setmathfontstyle	F setstacking
F setmathsnapping	F setstructureblockstate

F setstructurelevel	F setuplinenumbering
F setstructurenumber	F setupsynctex
F setsubcounter	F setupusermetadata
F settagcodepoint	F setupviewerlayer
F settagcombination	F setvisual
F settagcombinationpair	F setvisualfont
F settagconstruct	F setvisuallayer
F settagdelimitedsymbol	F setvisuals
F settagdescriptionindex	F setvsizecolumnset
F settagfigure	F setxmpfile
F settagfloat	F shiftmatrixornaments
F settagformulacontent	F shiftparshape
F settaggedmetadata	F shipoutpage
F settaggingcomment	F showarray
F settaggingoption	F showassignerror
F settaggingpresets	F showattributes
F settaghighlight	F showbits
F settagitem	F showboxinbuffer
F settagitemgroup	F showbtxdatasetauthors
F settaglist	F showbtxdatasetcompleteness
F settagmarginanchor	F showbtxdatasetfields
F settagmarginintext	F showbtxentry
F settagmpgraphic	F showbtxfields
F settagnotation	F showbtxhashedauthors
F settagnotationsymbol	F showbtxtables
F settagparagraph	F showbtxvariants
F settagproperty	F showchardata
F settagpublication	F showcounter
F settagregister	F showdirectives
F settagsetreferencedescription	F showdiscretionaries
F settagsorting	F showexperiments
F settagsubsentencesymbol	F showfontparameters
F settagsynonym	F showhyphenatedinlist
F settagtablecell	F showhyphenationtrace
F settagtabulatecell	F showinjector
F settransliteration	F showjustification
F setupbookmarks	F showlogcategories
F setupcanvas	F showluatables
F setupcharacterspacing	F showluatokens
F setupcomparingtext	F showmacrostack
F setupexport	F showmessage
F setupfontexpansion	F showpagelist
F setupfontprotrusion	F showparagraphshape
F setupinsertion	F showprofiledmacros

F showstructure	F startsectionlevel
F showtrackers	F startstream
F silliness	F starttext
F simplealign	F startviewerlayer
F simplecases	F step
F simplematrix	F stopactualtext
F sin	F stopalternativetext
F sind	F stopchemical
F sl	F stopclipping
F spaceddigits	F stopcollectingmath
F special	F stopcolorset
F specificationoptioncodestring	F stopcomponent
F specifiedfont	F stopenvironment
F specifiedfontsize	F stopfontsolution
F specifiedfontspec	F stopgraphicgroup
F splitfilename	F stoplocalcomponent
F splitsamplefile	F stopmarkpages
F spotcolorname	F stopmatrix
F spotcolorparent	F stopmirroring
F spotcolorvalue	F stoppageblock
F squid_check	F stopparbuilder
F startactualtext	F stopprerollpageblock
F startalternativetext	F stopproduct
F startchemical	F stopproject
F startclipping	F stopregime
F startcollectingmath	F stoprotation
F startcolorset	F stopscaling
F startcomponent	F stopsectionlevel
F startenvironment	F stopstream
F startfontsolution	F stoptext
F startgraphicgroup	F stopviewerlayer
F startlocalcomponent	F storejavascriptcode
F startmarkpages	F storejavascriptpreamble
F startmatrix	F storenote
F startmirroring	F storeregister
F startpageblock	F strc_tags_document_pop
F startparbuilder	F strc_tags_document_push
F startprerollpageblock	F strc_tags_get_element_tag
F startproduct	F strc_tags_parcounter_pop
F startproject	F strc_tags_parcounter_push
F startregime	F strc_tags_set_aspect
F startrotation	F strc_tags_set_element_user_properties
F startruby	F strc_tags_start
F startscaling	F strc_tags_start_chained

F strc_tags_start_detail	F tand
F strc_tags_start_ignore	F textdir
F strc_tags_start_userdata	F textime
F strc_tags_stop	F tf
F stringtoorientation	F thebox
F structureautocatcodedget	F thefirstcharacter
F structureblockuservariable	F themaxboxwidth
F structurecatcodedget	F theremainingcharacters
F structuregivencatcodedget	F tightfitcompensation
F structurenumber	F timestring
F structuretitle	F tobigpoints
F structureuservariable	F tobit
F structurevariable	F tobits
F subcountervalue	F tochar
F subsubcountervalues	F tohexa
F subtocolumnsetmvl	F toorientation
F subtocolumnsetmvlbalance	F totalofstring
F subtractfeature	F tounicharnum
F svghashed	F towholebigpoints
F sync	F transliterate
F synccolor	F transliteratebuffer
F synccolorclone	F transliterated
F synccolorcount	F transliteratedbuffer
F synchronizelocalanchors	F transliterationexception
F synchronizemarking	F traverseblock
F synchronizesteps	F traversemath
F synchronizestream	F triggerpagebuilder
F syntexblockfilename	F truefilename
F syntexdisable	F truefontname
F syntexpause	F type
F syntexpopline	F typebuffer
F syntexpushline	F typefile
F syntexresetfilename	F uchar
F syntexresume	F uchexnumber
F syntexsetfilename	F uchexnumbers
F synonymmeaning	F undefinechemical
F synonymname	F unicodechar
F synonympages	F unihex
F systemlog	F unit
F tabl_ntb_get_sec	F unloadlanguage
F tabl_ntb_set_sec	F unsupportedcs
F tagmfunctionlab	F useMPLibrary
F tagmfunctionlabattribute	F useanyfile
F tan	F useanyfileonce

F useboxresource	F widthuptohere
F usecolors	F write
F usecomponent	F writeline
F useenvironment	F writestatus
F usefigurebase	F writestring
F usefile	F x_table_c
F useimageresource	F x_table_cleanup
F usejavascriptpreamble	F x_table_construct
F usejavascriptscripts	F x_table_create
F uselibrary	F x_table_finish_row
F uselist	F x_table_flush
F uselumodule	F x_table_init_construct
F useluatable	F x_table_init_reflow_height
F usemathpluginlibrary	F x_table_init_reflow_height_option
F usemodules	F x_table_init_reflow_width
F usepath	F x_table_init_reflow_width_option
F useproduct	F x_table_next_row
F useproject	F x_table_next_row_option
F usereferences	F x_table_r
F useregister	F x_table_reflow_height
F usesubpath	F x_table_reflow_width
F usesymbols	F x_table_set_construct
F usetransliteration	F x_table_set_reflow_height
F useurl	F x_table_set_reflow_width
F usezipfile	F xmladdindex
F utfchar	F xmlaftersesetup
F utflower	F xmlall
F utfmathclass	F xmlappendsetup
F utfmathcommand	F xmlapplyselectors
F utfmathcommandfiller	F xmlatt
F utfmathfiller	F xmlattdef
F utfmathstretch	F xmlattribute
F utfshape	F xmlattributedef
F utfstrip	F xmlbadinclusions
F utfupper	F xmlbeforesesetup
F uuid	F xmlchainatt
F vboxlisttohbox	F xmlchainattdef
F verbose	F xmlchecknamespace
F vpackbox	F xmlcommand
F vpackedbox	F xmlconcat
F way	F xmlconcatrange
F weekday	F xmlcontext
F weekdayname	F xmlcount
F widthofstring	F xmlcssmappedstylevalue

F xmlcssstylevalue	F xmlindex
F xmldelete	F xmlinlineverbatim
F xmldepth	F xmlinstalldirective
F xmldirect	F xmllast
F xmldirectives	F xmllastatt
F xmldirectivesafter	F xmllastmatch
F xmldirectivesbefore	F xmllastpar
F xmldisplayverbatim	F xmlloadbuffer
F xmldoif	F xmlloaddata
F xmldoifatt	F xmlloaddirectives
F xmldoifelse	F xmlloadentities
F xmldoifelseatt	F xmlloadfile
F xmldoifelseempty	F xmlmain
F xmldoifelseselfempty	F xmlmatch
F xmldoifelsetext	F xmlname
F xmldoifempty	F xmlnamespace
F xmldoifnot	F xmlnonamespace
F xmldoifnotatt	F xmlpar
F xmldoifnotempty	F xmlparam
F xmldoifnotselfempty	F xmlpath
F xmldoifnottext	F xmlpopmatch
F xmldoifselfempty	F xmlpos
F xmldoiftext	F xmlprependsetup
F xmlelement	F xmlpure
F xmlfileline	F xmlpushmatch
F xmlfilename	F xmlraw
F xmlfilter	F xmlrawtex
F xmlfilterlist	F xmlrefatt
F xmlfirst	F xmlregisterns
F xmlflush	F xmlreapname
F xmlflushcontext	F xmlreapnamespace
F xmlflushlinewise	F xmlremovesetup
F xmlflushpure	F xmlresetinjectors
F xmlflushsetups	F xmlresetsetups
F xmlflushspacewise	F xmlsave
F xmlflushtext	F xmlsetatt
F xmlformulatobuffer	F xmlsetattribute
F xmlfunction	F xmlsetcommandtonone
F xmlgetindex	F xmlsetcommandtotext
F xmlinclude	F xmlsetentity
F xmlincludeoptions	F xmlsetinjectors
F xmlinclusion	F xmlsetpar
F xmlinclusionbase	F xmlsetparam
F xmlinclusions	F xmlsetsetup

- F xmlsnippet
- F xmlstartraw
- F xmlstarttiming
- F xmlstopraw
- F xmlstoptiming
- F xmlstrip
- F xmlstripanywhere
- F xmlstripeverything
- F xmlstripnolines
- F xmlstripped
- F xmlstrippednolines
- F xmltag
- F xmltexatt
- F xmltexentity
- F xmltext
- F xmltobuffer
- F xmltobuffertextonly
- F xmltobufferverbose
- F xmltofile
- F xmltoparameters
- F xmlverbatim
- F xmlwithindex
- F year

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- F cleanname
- F content
- F define
- F is_usable
- F is_valid
- F read
- B usecache
- F write

context function

- F bc
- F bgroup
- T catcodes
 - N context
 - N ctx
 - N ctxcatcodes
 - N plain
 - N protect
 - N prt
 - N prtcacodes
 - N tex

- N texcatcodes
- N text
- N txt
- N txtcatcodes
- N verbatim
- N vrb
- N vrbcatcodes
- F char
- F concat
- D conditionals
- T core
 - F BC
 - F EQ
 - F FL
 - F HL
 - F LABELTEXT
 - F LL
 - F LuaSnippet
 - F LuaSnippetBoundary
 - F LuaSnippetComment
 - F LuaSnippetCommentText
 - F LuaSnippetName
 - F LuaSnippetNameBase
 - F LuaSnippetNameCore
 - F LuaSnippetNameLibraries
 - F LuaSnippetQuote
 - F LuaSnippetSpecial
 - F LuaSnippetString
 - F ML
 - F MPLIBsetCtextX
 - F MPLIBsetNtextX
 - F MPLIBsettextX
 - F MetapostSnippet
 - F MetapostSnippetBoundary
 - F MetapostSnippetComment
 - F MetapostSnippetCommentText
 - F MetapostSnippetConstructor
 - F MetapostSnippetName
 - F MetapostSnippetNameMetafun
 - F MetapostSnippetNamePlain
 - F MetapostSnippetNamePrimitive
 - F MetapostSnippetQuote
 - F MetapostSnippetSpecial
 - F MetapostSnippetString

F NC	F btxsetauthorfield
F NR	F btxsetauthorvariant
F ParsedXmlSnippetCdata	F btxsetbacklink
F ParsedXmlSnippetComment	F btxsetbefore
F ParsedXmlSnippetDoctype	F btxsetcategory
F ParsedXmlSnippetElement	F btxsetcombis
F ParsedXmlSnippetInstruction	F btxsetconcat
F ParsedXmlSnippetKey	F btxsetcount
F ParsedXmlSnippetValue	F btxsetcurrentlistentry
F TexSnippet	F btxsetcurrentlistindex
F TexSnippetBoundary	F btxsetdataset
F TexSnippetComment	F btxsetfirst
F TexSnippetCommentText	F btxsetfirstinternal
F TexSnippetGroup	F btxsetfirstnames
F TexSnippetName	F btxsetfirstpage
F TexSnippetSpecial	F btxsetinitials
F VL	F btxsetinternal
F XmlSnippet	F btxsetjuniors
F XmlSnippetBoundary	F btxsetlanguage
F XmlSnippetCdata	F btxsetlastinternal
F XmlSnippetComment	F btxsetlastpage
F XmlSnippetEntity	F btxsetlefttext
F XmlSnippetEqual	F btxsetnoflistentries
F XmlSnippetKey	F btxsetnumber
F XmlSnippetName	F btxsetoverflow
F XmlSnippetString	F btxsetrighttext
F applyprocessor	F btxsetsecond
F beginhbox	F btxsetsuffix
F beginvbox	F btxsetsurnames
F beginvtop	F btxsettag
F bf	F btxsetvons
F bgroup	F btxstartauthor
F blank	F btxstartcite
F btxchecklistentry	F btxstartciteauthor
F btxciteauthorsetup	F btxstartcombientry
F btxcitesetup	F btxstartlistentry
F btxflushauthor	F btxstartsubcite
F btxhandlecombientry	F btxstopauthor
F btxhandlelistentry	F btxstopcite
F btxlistauthorsetup	F btxstopciteauthor
F btxlistsetup	F btxstopcombientry
F btxnumberingsetup	F btxstoplistentry
F btxpagesetup	F btxstopsubcite
F btxsetafter	F btxsubcitesetup

F buff_finish	F digitsnegative
F chemicalinline	F digitsplus
F chemicalspecial	F digitsplusminus
F color	F digitspositive
F colordefagc	F digitspower
F colordefagt	F digitspowerminus
F colordefalc	F digitspowerplus
F colordefalt	F digitsseparatorspace
F colordeffgc	F digitssignspace
F colordeffgt	F digitsspace
F colordefflc	F digitsszeropadding
F colordefflt	F doactivateinjector
F colordefrgc	F doboxfigureobject
F colordefrgt	F docheckfigurebuffer
F colordefrlc	F docheckfigurecld
F colordefrlt	F docheckfiguremprun
F convertnumber	F docheckfiguremps
T cs	F docheckfiguretex
F atendofgroup	F dodisplayverbatimbeginline
F bgroup	F dodisplayverbatimemptyline
F clf_step	F dodisplayverbatiminitialize
F droptablegroup	F dodisplayverbatimnewline
F egroup	F dodisplayverbatimstart
F firstofoneargument	F dodisplayverbatimstop
F firstoftwoarguments	F doexternalfigurerepeat
F gobbleoneargument	F dofastdefinetypeface
F hbox	F dofinishreference
F par	F doflushparallel
F secondoftwoarguments	F dofromfiledescription
F space	F dofromfileliteral
F vbox	F dofromurldescription
F vtop	F dofromurlliteral
F ctxreport	F doinlineverbatimbeginline
F definebodyfont	F doinlineverbatimemptyline
F definefontfallback	F doinlineverbatimnewline
F definefontsynonym	F doinlineverbatimstart
F definetypeface	F doinlineverbatimstop
F digitsdigit	F domarkinjector
F digitsfinalcomma	F donestedtypingstart
F digitsfinalperiod	F donestedtypingstop
F digitshighspace	F doscalefigure
F digitsintermediatecomma	F dosetfastregisterentry
F digitsintermediateperiod	F dosetfigureobject
F digitsminus	F dostarthead

F dostarttexdefinition	F processfilenone
F dostarttext	F processfileonce
F dostophead	F pushcatcodetable
F doverbatimspace	F registerentry
F dummyxcell	F registeronepage
F egroup	F registerpacked
F emptyreference	F registerpagerange
F enablemode	F registersection
F endhbox	F registerseeword
F endvbox	F relocateexternalfigure
F endvtop	F resetfontfallback
F environment	F rlap
F errmessage	F rotate
F expandreferencearguments	F setcatcodetable
F expandreferenceoperation	F setfalsevalue
F finalizeautostructurelevel	F sethboxregister
F finishjob	F setruby
F flushboxregister	F setsectionblock
F getbuffer	F settabulateentry
F getvalue	F settabulatelastentry
F gobbletwoarguments	F setupsystem
F goto	F setupwithargument
F highordinalstr	F setvboxregister
F ignoreparskip	F setvtopregister
F input	F space
F labeltext	F startLuaSnippet
F loadfontgoodies	F startMetapostSnippet
F loadfoundtypescriptfile	F startParsedXmlSnippet
F luasetup	F startTexSnippet
F m	F startXmlSnippet
F makelinenumber	F startbuffer
F mathematics	F startcolumns
F mathord	F startfontclass
F mathrel	F startfoundexternalfigure
F nointerlineskip	F starthboxregister
F nostarthead	F startreadingfile
F nostophead	F startregisterentries
F overstrike	F startregisterentry
F page	F startregisteroutput
F page_mvl_set_area	F startregisterpages
F par	F startregistersection
F pdfliteral	F startregisterseewords
F popcatcodetable	F starttabulate
F processfilemany	F starttext

F starttitle	F unitsP
F startuserdata	F unitsPS
F startvboxregister	F unitsPU
F startvtopregister	F unitsPUS
F startxtable	F unitsPclose
F startxtitle	F unitsPopen
F stopLuaSnippet	F unitsQ
F stopMetapostSnippet	F unitsRPM
F stopParsedXmlSnippet	F unitsRTO
F stopTexSnippet	F unitsRabout
F stopXmlSnippet	F unitsS
F stopbuffer	F unitsU
F stopcolumns	F unitsUS
F stopfontclass	F usemodule
F stopfoundexternalfigure	F validtext
F stophboxregister	F xmldataafter
F stopreadingfile	F xmldatabefore
F stopregisterentries	F xmldataobeyedline
F stopregisterentry	F xmldataobeyedspace
F stopregisteroutput	F xmlinjector
F stopregisterpages	F xmlprocessbuffer
F stopregistersection	F xmlsetup
F stopregisterseewords	F xmltexcommand
F stoptabulate	F xmlvalue
F stoptext	F cssdimension
F stoptitle	F ctxescape
F stopuserdata	F ctxescaped
F stopvboxregister	T delayed
F stopvtopregister	F direct
F stopxtable	F egroup
F stopxtitle	F escape
F synonymentry	F escaped
F tabulaterow	F firstofoneargument
F tabulaterowbold	F firstoftwoarguments
F tabulaterowtyp	T formatted
F tabulaterowtype	F monobold
F texsetup	F verbatim
F typ	F fprint
F unitsC	T functions
F unitsN	F callonce
F unitsNspace	T known
F unitsNstart	F register
F unitsNstop	F reserve
F unitsO	F unregister

F getlogger	T registers
F glyph	F newbox
F gobbleoneargument	F newchar
T hashedtables	F newcount
F latelua	F newdimen
F loadfile	F newmuskip
F loadviafile	F newskip
T luatables	F newtoks
F dispose	F rule
F get	F runfile
F getfrom	F runstring
F idxfrom	F safechar
F inspect	F secondoftwoarguments
F new	F setconditional
F set	F setfontid
F show	F setmode
F use	F setsystemmode
T metafun	F settracing
F color	F settrialtypesettingmethod
T delayed	F space
F start	F sprint
F stop	F startcollecting
D modes	F step
T nc	F stepwise
F newindexer	F stopcollecting
F newtexthandler	D systemmodes
F newverbosehandler	T templates
T nodes	F tobuffer
F flush	T tocontext
F store	F boolean
F nr	F function
T nuts	F nil
F flush	F number
F store	F string
F par	F table
F popcatcodes	D tokenizedcs
F poplogger	F tolines
F printlines	F trialtypesetting
F printtable	F unprotect
F protect	F utfchar
T protected	T verbatim
T puretext	F LuaSnippetBoundary
F pushcatcodes	F LuaSnippetComment
F pushlogger	F LuaSnippetCommentText

```

F LuaSnippetName
F LuaSnippetNameBase
F LuaSnippetNameCore
F LuaSnippetNameLibraries
F LuaSnippetQuote
F LuaSnippetSpecial
F LuaSnippetString
F MetapostSnippetBoundary
F MetapostSnippetComment
F MetapostSnippetCommentText
F MetapostSnippetConstructor
F MetapostSnippetName
F MetapostSnippetNameMetafun
F MetapostSnippetNamePlain
F MetapostSnippetNamePrimitive
F MetapostSnippetQuote
F MetapostSnippetSpecial
F MetapostSnippetString
F ParsedXmlSnippetCdata
F ParsedXmlSnippetComment
F ParsedXmlSnippetDoctype
F ParsedXmlSnippetElement
F ParsedXmlSnippetInstruction
F TexSnippetBoundary
F TexSnippetComment
F TexSnippetCommentText
F TexSnippetGroup
F TexSnippetName
F TexSnippetSpecial
F XmlSnippetBoundary
F XmlSnippetCdata
F XmlSnippetComment
F XmlSnippetEntity
F XmlSnippetEqual
F XmlSnippetKey
F XmlSnippetName
F XmlSnippetString
F ctxreport
F viafile
converters           table
F A
F A:es
F A:ru
F A:sl

```

```

F AK
F Alphabetic
F Alphabetic:es
F Alphabetic:ru
F Alphabetic:sl
F Character
F Characters
F I
F KA
F KR
F R
F RK
F Romannumerals
F Russiannumerals
F Sloveniannumerals
F Spanishnumerals
F Word
F Words
F a
F a:es
F a:ru
F a:sl
F abjadnodotnumerals
F abjadnumerals
F alphabetic
F alphabetic:es
F alphabetic:ru
F alphabetic:sl
F character
F characters
F chineseallnumerals
F chinesecapnumerals
F chinesedatenumerals
F chinesenumerals
F chr
F chrs
F cn
F cn-a
F cn-c
F cn-d
F convert
F decimals
F define
F gregorian_to_hebrew

```

F gregorian_to_jalali		F close	
F hebrewnumerals		F create	
T helpers		F isyieldable	
F hexstringtonumber		F resume	
F i		F running	
F isleapyear		F status	
F jalali_to_gregorian		F wrap	
F lchexnumber		F yield	
F lchexnumbers		ctxrunner	table
F leapyear		F load	
F lower		F preparedfile	
F max		D prepfiles	
F maxchrs		F resolve	
F nicenumber		debug	table
F nofdays		F getinfo	
F number		F sethook	
F numbers		F traceback	
F octnumber		dimen	function
F octstringtonumber		dir	table
F ordinal		F collectpattern	
F r		F current	
F romannumerals		F expandlink	
F russiannumerals		F expandname	
D sequences		F found	
F settime		F glob	
F sloveniannumerals		F globdirs	
F spaceddigits		F globfiles	
F spanishnumerals		F globpattern	
F textime		F ls	
F toabjad		F makedirs	
F tochinese		F mkdirs	
F tohebrew		F pop	
F toroman		F push	
F totime		directives	table
F uchexnumber		D data	
F uchexnumbers		F default	
F upper		F disable	
T verbose		T done	
D data		F enable	
F translate		F list	
F weekday		S name	
F word		F register	
F words		F report	
coroutine	table	F reset	

F show		T helpers	
F value		F initialize	
F values		F install	
document	table	T instances	
D arguments		N lmtxversion	
T files		F outputfilename	
T functions		F report	
F getargument		effects	table
F getfilename		F getoctaveloops	
T options		F getoctavemethods	
F pdf_cleanup_cidsets		F getoctavestatus	
F pdf_cleanup_procsets		F getoctavevariants	
F pdf_identify_content		F newoctave	
F pdf_serialize_content		F octave	
F pdf_strip_content		F octavebytemap	
F pdf_strip_page		F perlinnoise	
F setargument		F simplexangle	
F setcommandline		F simplexdetail	
F setdefaultargument		F simplexnoise	
F setenvironments		F stepoctave	
F setfilename		environment	table
F setfilenames		F argument	
F setmodes		D arguments	
F setmodules		D basicengines	
D variables		N currentrun	
documentdata	table	F definefilefallback	
F variable		F definefilesynonym	
dofile	function	D engineflags	
drivers	table	S filename	
F applyanchor		T filenames	
F applyorientation		T files	
F convert		D filesynonyms	
T converters		N forcedruns	
F analyze		F getargument	
F engine		F globfiles	
F lmtx		S homedir	
F resynabox		B initex	
F enable		B initexmode	
F finalize		F initializearguments	
F gethpos		F initializefilenames	
F gethvrpos		S inputfilebarename	
F getpos		S inputfilename	
F getrpos		S inputfilesuffix	
F getvpos		S jobfilefullname	

S jobfilename		F register	
S jobfilesuffix		F report	
N kindofrun		F reset	
N lmtxmode		F show	
F loadexamodes		F value	
F loadluafile		F values	
F luafile		figures	table
F luafilechunk		F applyratio	
S luatexengine		F badname	
N luatexfunctionality		D bases	
S luatexverbose		F bitmapimage	
N luatexversion		N boxnumber	
N maxnofruns		F bytepalette	
S oldhome		D cachepaths	
D originalarguments		F check	
S outputfilename		D checkers	
S ownbin		D conversions	
S ownmain		D converters	
S ownname		F current	
S ownpath		N defaultdepth	
B prerollrun		N defaultheight	
D rawarguments		B defaultsearch	
F reconstructcommandline		N defaultwidth	
F relativepath		F done	
F setargument		F dummy	
F splitarguments		D exists	
S suffix		F exists	
F texfile		D formats	
S texmfos		D found	
S texos		F get	
S texroot		F getinfo	
F truefilename		F getpdfinfo	
F useluamodule		F getrealpage	
F usemodules		F guess	
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F getdocumentargument	F getsomefullstructurenumber
F getdocumentfilename	F getsomestructurenumber

F getspecificstructuretitle	F iflua
F getstructurelevel	F ifmode
F getstructurenumber	F ifmodes
F getsubstring	F ifmvl
F getsynchronizemarking	F ifpositunum
F geturl	F ifsetups
F getvisual	F ifsystemmode
F getwidowpenalties	F iftext
F globalpopmacro	F ifxml
F globalpushmacro	F ifxmlatt
F gluetoinesinbox	F ifxmlattempty
F glyphoptioncodestring	F ifxmlempty
F gobblenested	F ifxmlselfempty
F gotocolumnsetslot	F ifxmltext
F grabbuffer	F ignorefile
F groupcodestring	F ignoretagsinexport
F groupsetgroup	F immediatemessage
F grph_nodes_initialize	F includesvgbuffer
F grph_nodes_register	F includesvgfile
F grph_nodes_reset	F incrementcounter
F grph_nodes_resolve	F incrementsubcounter
F handlemathhang	F inhibitprimitive
F hboxtovbox	F initializeexport
F heightofstring	F initializejob
F helpaction	F initializemathcollapsing
F helpreference	F initializemathfencing
F hour	F initializemathitalics
F hpackbox	F initializemathkernpairs
F hpackedbox	F initializemathnumbers
F hsplit	F initializemathspacing
F hyphenateddigits	F initializestream
F hyphenatedlist	F initializetexdirectives
F hyphenationcodestring	F initializetexexperiments
F ic	F initializetextrackers
F idxfromluatable	F injectcurrentreference
F if_common	F injectcurrentreferencehtdp
F ifallmodes	F injectdisable
F ifbitwiseand	F injectnowhite
F ifblobindexdone	F injectreference
F ifboxhaslist	F injectvpenalty
F ifcommon	F injectvskip
F ifeof	F injectvspacing
F ifgluelineinbox	F injectzerobaselineskip
F ifinset	F inlinechemical

F inputfilebarename	F lateundent
F inputfilename	F lchexnumber
F inputfilerealsuffix	F lchexnumbers
F inputfilesuffix	F leapyear
F insertattachment	F limited
F insertcomment	F linebuffering
F insertfield	F linedir
F insertionnumber	F lineprofilebox
F insertrenderingwindow	F linesegment
F inspectluatable	F listanchorcodestring
F installedlanguages	F listbookmark
F installtexdirective	F listexternal
F installtexexperiment	F listgroupindex
F installtextracker	F listlabel
F interceptsamepagecontent	F listlocation
F it	F listnamespaces
F jobfilefullname	F listprefixednumber
F jobfilename	F listprefixedpage
F jobfilesuffix	F listrawnumber
F jobposd	F listrawrealpage
F jobposh	F listrawuserpage
F jobposp	F listsigncodestring
F jobposw	F listsize
F jobposx	F listtitle
F jobposy	F listuserdata
F languagecharwidth	F lmt_parameters_define
F languagenumber	F lmt_parameters_preset
F lastblobindex	F lmt_parameters_reset
F lastnodeequals	F loadcldfile
F lastnodeid	F loadcldfileonce
F lastnodeidstring	F loadexamodes
F lastnodesubtypestring	F loadfontgoodies
F lastparwrapper	F loadlibrary
F lastrpos	F loadluafile
F lastsavedboxresourceindex	F loadluafileonce
F lastsavedimageresourceindex	F loadluamodule
F lastsavedimageresourcepages	F loadmapfile
F lastsectionpage	F loadmapline
F lastsubcountervalue	F loadspellchecklist
F lastunitstring	F loadtexfile
F lastxpos	F loadtexfileonce
F lastypos	F loadtypescriptfile
F lateindent	F loadvisualizer
F latelua	F loadxmlfile

F loadxmlfileonce	F markingtitle
F localanchorx	F markinjector
F localanchory	F markpage
F localboxindent	F markregionbox
F localboxindex	F markregionboxcorrected
F localboxlefthang	F markregionboxtagged
F localboxleftoffset	F markregionboxtaggedkind
F localboxleftskip	F markregionboxtaggedn
F localboxlinenumber	F markvisualfonts
F localboxlinewidth	F mathclassvalue
F localboxlocalwidth	F mathcontrolcodestring
F localboxmarkonce	F mathhorizontalcode
F localboxovershoot	F mathoptioncodestring
F localboxparfillleftskip	F mathrenderset
F localboxparfillrightskip	F mathvariantcode
F localboxparinitleftskip	F mathvariantcount
F localboxparinitrightskip	F mathvariantslot
F localboxprogress	F maxbufferwidth
F localboxrighthang	F message
F localboxrightoffset	F metapostescaped
F localboxrightskip	F metapostformatted
F localpopmacro	F metapostgraphformat
F localpushmacro	F minute
F locatefilepath	F mixcleanup
F loopcs	F mixfinalize
F loopcsn	F mixflushlist
F lousiness	F mixflushrest
F luacardinal	F mixgetsplit
F luacount	F mixsetsplit
F luadimen	F mixstate
F luaexpression	F modecodestring
F luafloat	F molecule
F luainteger	F month
F luanumber	F monthnmnm
F luarandom	F monthname
F luascript	F mpblobtext
F luathread	F mpcolor
F lxmlid	F mpgetblob
F manipulated	F mpgettext
F markblobindexdone	F mpgraphic
F markcontent	F mpgraphictexttoks
F markedpageparameter	F mpoptions
F markedpages	F mpoutlinetoks
F markingnumber	F mppopvariables

F mppushvariables	F ntb_split_section_check
F mprunset	F ntb_split_section_fetch
F mpruntab	F ntb_split_section_locate
F mprunvar	F ntb_split_section_reset
F mpsetclippath	F ntimes
F mpsetoutercolor	F number
F mpsetsxxy	F numbers
F mpsettext	F objectreference
F mptexget	F objectreferencepage
F mptexreset	F octnumber
F mptexset	F openin
F mptexsetfrombuffer	F openout
F mptexttoks	F operatingsystem
F mvloptioncodestring	F ordinal
F namedstructureuservariable	F outputfilename
F namedstructurevariable	F overloadbookmark
F naturalwd	F overloadlowercase
F negatedcolorcomponent	F overloadattribute
F newarray	F overloaduppercase
F newhashedtable	F pageblockrealpage
F newindexedtable	F pageofinternal
F newluatable	F pageoverflow
F newparwrapper	F pagestaterealpage
F newrepeatablerandom	F pagestaterealpageorder
F newstacking	F parcontextcodestring
F nextparallel	F pardir
F nextsubcountervalue	F parpasscallback
F nodimen	F parpassidentifier
F nobufferlines	F parpos
F noconversions	F partriggercodestring
F nofdays	F pdfbackendcurrentresources
F nofdetachedinsertions	F pdfbackendsetcatalog
F noflinesinbox	F pdfbackendsetcolorspace
F nofmathvariants	F pdfbackendsettextgstate
F nofstackedfloats	F pdfbackendsetinfo
F nologbuffering	F pdfbackendsetname
F normalizecodestring	F pdfbackendsetpageattribute
F normalizedbodyfontsize	F pdfbackendsetpageresource
F normalizeparcodestring	F pdfbackendsetpagesattribute
F notedeltapage	F pdfbackendsetpattern
F noteinternal	F pdfbackendsetshade
F notelistindex	F pdfcolor
F noteprefixednumber	F pdfextension
F notetitle	F pdffeedback

F pdflastobj	F poprandomseed
F pdfliteral	F popreferenceprefix
F pdfobj	F popregime
F pdfrefobj	F poprunstate
F pdfsetuserdata	F popsectionblock
F pdfvariable	F positunum
F percentageof	F positunumdef
F pfabs	F postlistbox
F pfacos	F postlistcopy
F pfacosh	F postponenotes
F pfasin	F prefixedconverted
F pfasinh	F prelistbox
F pfatan	F prelistcopy
F pfatanh	F preparecolumnsetflush
F pfatantwo	F prerolledpages
F pfceil	F presetcolumnsetsheets
F pfcos	F presetcolumnsetspreadsheets
F pfcosh	F presetmathematics
F pfdeg	F presetmathfontalternate
F pfexp	F presetsymbolist
F pffloor	F previoussubcountervalue
F pflog	F privatecharacter
F pfmod	F privatecharactercode
F pfpow	F processbodyfontsizes
F pfrad	F processbuffer
F pfrem	F processcollectedmath
F pfround	F processedfile
F pfsin	F processedfiles
F pfsinh	F processfile
F pfsqrt	F processfilemany
F pftan	F processfilenone
F pftanh	F processfileonce
F pgfxcolorspec	F processjob
F pickupbuffer	F processlist
F pickupmarkedcontent	F processregister
F pickuppunctuation	F processsplit
F placeparallel	F processsynonyms
F popfloat	F product
F pophyphenation	F profilebox
F poplist	F profilemacro
F poplocalanchors	F project
F poplogfile	F pruneboxesincache
F popparagraphtweak	F purefontname
F poppath	F pushfloat

F pushhyphenation
F pushlist
F pushlocalanchors
F pushlogfile
F pushparagraphtweak
F pushpath
F pushrandomseed
F pushreferenceprefix
F pushregime
F pushrunstate
F pushsectionblock
F pushstream
F putboxincache
F putincolumnset
F putincolumnsetdirect
F putnextboxincache
F qrcodebuffer
F qrcodestring
F rawMPdata
F rawcharacter
F rawsetupstring
F rawsubcountervalue
F read
F readfromterminal
F readline
F readlinedirect
F recolorbox
F referencecolumn
F referencepagedetail
F referencepagestate
F referenceposx
F referenceposy
F referencerealpage
F registeranchorbox
F registerattachment
F registerbackendsymbol
F registerbackground
F registerbodyfontsize
F registerbookmark
F registerboxglyph
F registerbuttons
F registercolorintent
F registercolumnsetarea
F registercolumnsetsheet

F registercolumnsetspreadsheets
F registerengineclass
F registerfallbackfont
F registerfiguremask
F registerfigurepattern
F registerfigurerange
F registerfiguresuffix
F registerfilescheme
F registerfontalternative
F registerfontfamily
F registerforcedbreak
F registergroupset
F registerhashedfiles
F registerhelp
F registerhyphenationexception
F registerhyphenationpattern
F registeritemgroup
F registerlabel
F registerlanguagefeatures
F registerlinenumbering
F registermaintextcolor
F registermpextensible
F registernamedlua
F registernamespace
F registerobject
F registerpattern
F registerpostponedblock
F registerreferencedobject
F registerrendering
F registersection
F registershownsynonym
F registersnaprange
F registerstructureprocessor
F registersynchronize
F registersynonym
F registertransliteration
F registerunit
F registerunitshortcut
F registerunknownbodysize
F registerusedsynonym
F registeruserdata
F registerverbosemathlabel
F removelastline
F renderingvar

F reorderfloats	F revivefeature
F replacefeature	F rightmathkern
F replacepospxywhd	F romannumerals
F replacewildcard	F rotateparshape
F reportstructure	F rounded
F resavefloat	F roundedfill
F reservedautoregiontag	F roundedoutline
F resetMPinstance	F ruby
F resetalternate	F ruleoptioncodestring
F resetbackgroundrowdata	F runcontextjob
F resetboxesincache	F safechar
F resetcharacteralign	F samplefile
F resetcolumnset	F saveboxresource
F resetcomparingtext	F savebuffer
F resetcounter	F savecounter
F reseteffect	F savecurrentattributes
F resetfeature	F savecurrentvalue
F resetfontfeature	F savedlistnumber
F resetfontsolution	F savedlistprefixednumber
F resetforcedbreak	F savedlisttitle
F resetinjector	F savefloat
F resetlogfile	F saveimageresource
F resetmapfiles	F savemargindata
F resetmathattributes	F savenote
F resetnullfont	F savepagedata
F resetparallel	F savepageinjections
F resetpath	F saveparallel
F resetreference	F savepos
F resetscript	F savespecificfloat
F resetstructureprocessor	F savestructureblock
F resetsubcounter	F scangivendimensions
F resetsynchronizemarking	F scriptsmodecodestring
F resetsynonyms	F second
F resettimer	F selectstructureblock
F resettrackers	F set_extensible_data
F resolvedemoji	F setadaptive
F restartcounter	F setalternate
F restartsubcounter	F setautoprefix
F restorecounter	F setbackgroundrowdata
F restorecurrentattributes	F setboxglyph
F restorenote	F setboxline
F restoreobject	F setbreakpoints
F reuserandomseed	F setcharacteralign
F reversevboxcontent	F setcharacteraligndetail

F setcharactercasing	F setsizecolumnset
F setcharactercleaning	F setsizecolumnspan
F setcharacterkerning	F sethyphenatedurlcharacters
F setcharacterspacing	F sethyphenationfeatures
F setcharacterstripping	F sethyphenationmethod
F setcloseddocumentaction	F setidentityvariable
F setclosepageaction	F setinitial
F setcolormodel	F setinitialsectionblock
F setcolumnsetarea	F setinjector
F setcolumnsetlines	F setinsertionlocation
F setcolumnsetmvl	F setinsertmigration
F setcolumnsetpresent	F setinterfaceconstant
F setcolumnsetproperties	F setinterfaceelement
F setcolumnsetstart	F setinterfacemessage
F setcomparetext	F setinterfacemessages
F setcomparingtext	F setinterfacevariable
F setcounter	F setinternalreference
F setdataset	F setitaliccorrection
F setdestinationattribute	F setjavascriptpreamble
F setdigitsmanipulation	F setjobcomment
F setdirection	F setlanguageexceptions
F setdocumentargument	F setlanguageoptions
F setdocumentcommandline	F setlanguagepatterns
F setdocumentctxfile	F setlanguagesynonym
F setdocumentdefaultargument	F setlinefiller
F setdocumentenvironments	F setlineprofile
F setdocumentfilename	F setlocalalignanchor
F setdocumentfilenames	F setlocalmarkanchor
F setdocumentmodes	F setlocalsyncanchor
F setdocumentmodules	F setluatable
F seteffect	F setmathalphabet
F setelementbackendtag	F setmathattribute
F setelementnature	F setmathfontalternate
F setextrafontkerns	F setmathfontstyle
F setfieldcalculationset	F setmathsnapping
F setfigureconversion	F setmathvariant
F setfigurelookuporder	F setmetaglyph
F setfigurepaths	F setmpextensions
F setfirstline	F setnaturalwd
F setfontfeature	F setnegative
F setfontofid	F setnextinternalreferences
F setfontsolution	F setnextreferenceorder
F setformat	F setnotestate
F setformsmethod	F setopendocumentaction

F setopenpageaction	F settagfigure
F setowncounter	F settagfloat
F setownsubcounter	F settagformulacontent
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F setpagestate	F settaggingcomment
F setpagestaterealpageno	F settaggingoption
F setpagetransition	F settaggingpresets
F setparagraphmetashape	F settaghighlight
F setparagraphshape	F settagitem
F setparbuilder	F settagitemgroup
F setparwrapper	F settaglist
F setpdfcompression	F settagmarginanchor
F setperiodkerning	F settagmargintext
F setpostlistbox	F settagmpgraphic
F setprelistbox	F settagnotation
F setprofile	F settagnotationsymbol
F setrandomseed	F settagparagraph
F setrealign	F settagproperty
F setrealspaces	F settagpublication
F setreferencelinkmethod	F settagregister
F setregionbox	F settagsetreferencedescription
F setregionboxtagged	F settagsorting
F setregistermethod	F settagssentencesymbol
F setreplacements	F settagssynonym
F setruby	F settagtablecell
F setrule	F settagtabulatecell
F setscript	F settransliteration
F setsectionblock	F setupbookmarks
F setsectionentry	F setupcanvas
F setshadow	F setupcharacterspacing
F setshift	F setupcomparingtext
F setsofthyphens	F setupexport
F setsplitlisthtdp	F setupfontexpansion
F setstacking	F setupfontprotrusion
F setstructureblockstate	F setupinsertion
F setstructurelevel	F setuplinenumbering
F setstructurenumber	F setupsynctex
F setsubcounter	F setupusermetadata
F settagcodepoint	F setupviewerlayer
F settagcombination	F setvisual
F settagcombinationpair	F setvisualfont
F settagconstruct	F setvisualallayer
F settagdelimitedsymbol	F setvisuals
F settagdescriptionindex	F setvsizecolumnset

F setxmpfile	F spaceddigits
F shiftmatrixornaments	F special
F shiftparshape	F specificationoptioncodestring
F shipoutpage	F specifiedfont
F showarray	F specifiedfontsize
F showassignerror	F specifiedfontspec
F showattributes	F splitfilename
F showbits	F splitsamplefile
F showboxinbuffer	F spotcolorname
F showbtxdatasetauthors	F spotcolorparent
F showbtxdatasetcompleteness	F spotcolorvalue
F showbtxdatasetfields	F squid_check
F showbtxentry	F startactualtext
F showbtxfields	F startalternativetext
F showbtxhashedauthors	F startchemical
F showbtxtables	F startclipping
F showbtxvariants	F startcollectingmath
F showchardata	F startcolorset
F showcounter	F startcomponent
F showdirectives	F startenvironment
F showdiscretionaries	F startfontsolution
F showexperiments	F startgraphicgroup
F showfontparameters	F startlocalcomponent
F showhyphenatedinlist	F startmarkpages
F showhyphenationtrace	F startmatrix
F showinjector	F startmirroring
F showjustification	F startpageblock
F showlogcategories	F startparbuilder
F showluatables	F startprerollpageblock
F showluatokens	F startproduct
F showmacrostack	F startproject
F showmessage	F startregime
F showpagelist	F startrotation
F showparagraphshape	F startruby
F showprofiledmacros	F startscaling
F showstructure	F startsectionlevel
F showtrackers	F startstream
F silliness	F starttext
F simplealign	F startviewerlayer
F simplecases	F step
F simplematrix	F stopactualtext
F sin	F stopalternativetext
F sind	F stopchemical
F sl	F stopclipping

F stopcollectingmath	F structurenumber
F stopcolorset	F structuretitle
F stopcomponent	F structureuservariable
F stopenvironment	F structurevariable
F stopfontsolution	F subcountervalue
F stopgraphicgroup	F subsubcountervalues
F stoplocalcomponent	F subtocolumnsetmvl
F stopmarkpages	F subtocolumnsetmvlbalance
F stopmatrix	F subtractfeature
F stopmirroring	F svghashed
F stoppageblock	F sync
F stopparbuilder	F synccolor
F stopprerollpageblock	F synccolorclone
F stopproduct	F synccolorcount
F stopproject	F synchronizelocalanchors
F stopregime	F synchronizemarking
F stoprotation	F synchronizesteps
F stopscaling	F synchronizestream
F stopsectionlevel	F synctexblockfilename
F stopstream	F synctexdisable
F stoptext	F synctexpause
F stopviewerlayer	F synctexpopline
F storejavascriptcode	F synctexpushline
F storejavascriptpreamble	F synctexresetfilename
F storenote	F synctexresume
F storeregister	F synctexsetfilename
F strc_tags_document_pop	F synonymmeaning
F strc_tags_document_push	F synonymname
F strc_tags_get_element_tag	F synonympages
F strc_tags_parcounter_pop	F systemlog
F strc_tags_parcounter_push	F tabl_ntb_get_sec
F strc_tags_set_aspect	F tabl_ntb_set_sec
F strc_tags_set_element_user_properties	F tagmfunctionlab
F strc_tags_start	F tagmfunctionlabattribute
F strc_tags_start_chained	F tan
F strc_tags_start_detail	F tand
F strc_tags_start_ignore	F textdir
F strc_tags_start_userdata	F textime
F strc_tags_stop	F tf
F stringtoorientation	F thebox
F structureautocatcodedget	F thefirstcharacter
F structureblockuservariable	F themaxboxwidth
F structurecatcodedget	F theremainingcharacters
F structuregivencatcodedget	F tightfitcompensation

F timestring	F uselibrary
F tobigpoints	F uselist
F tobit	F useluamodule
F tobits	F useluatable
F tochar	F usemathpluginlibrary
F tohexa	F usemodules
F toorientation	F usepath
F totalofstring	F useproduct
F tounicharnum	F useproject
F towholebigpoints	F usereferences
F transliterate	F useregister
F transliteratebuffer	F usesubpath
F transliterated	F usesymbols
F transliteratedbuffer	F usetransliteration
F transliterationexception	F useurl
F traverseblock	F usezipfile
F traversemath	F utfchar
F triggerpagebuilder	F utflower
F truefilename	F utfmathclass
F truefontname	F utfmathcommand
F type	F utfmathcommandfiller
F typebuffer	F utfmathfiller
F typefile	F utfmathstretch
F uchar	F utfshape
F uchexnumber	F utfstrip
F uchexnumbers	F utfupper
F undefinechemical	F uuid
F unicodechar	F vboxlisttohbox
F unihex	F verbose
F unit	F vpackbox
F unloadlanguage	F vpackedbox
F unsupportedcs	F way
F useMPLibrary	F weekday
F useanyfile	F weekdayname
F useanyfileonce	F widthofstring
F useboxresource	F widthuptohere
F usecolors	F write
F usecomponent	F writeline
F useenvironment	F writestatus
F usefigurebase	F writestring
F usefile	F x_table_c
F useimageresource	F x_table_cleanup
F usejavascriptpreamble	F x_table_construct
F usejavascriptscripts	F x_table_create

F x_table_finish_row	F xmldoifatt
F x_table_flush	F xmldoifelse
F x_table_init_construct	F xmldoifelseatt
F x_table_init_reflow_height	F xmldoifelseempty
F x_table_init_reflow_height_option	F xmldoifelseselfempty
F x_table_init_reflow_width	F xmldoifelsestext
F x_table_init_reflow_width_option	F xmldoifempty
F x_table_next_row	F xmldoifnot
F x_table_next_row_option	F xmldoifnotatt
F x_table_r	F xmldoifnotempty
F x_table_reflow_height	F xmldoifnotselfempty
F x_table_reflow_width	F xmldoifnottext
F x_table_set_construct	F xmldoifselfempty
F x_table_set_reflow_height	F xmldoiftext
F x_table_set_reflow_width	F xmlelement
F xmladdindex	F xmlfileline
F xmlaftersetup	F xmlfilename
F xmlall	F xmlfilter
F xmlappendsetup	F xmlfilterlist
F xmlapplyselectors	F xmlfirst
F xmlatt	F xmlflush
F xmlattdef	F xmlflushcontext
F xmlattribute	F xmlflushlinewise
F xmlattributedef	F xmlflushpure
F xmlbadinclusions	F xmlflushsetups
F xmlbeforesetup	F xmlflushspacewise
F xmlchainatt	F xmlflushstext
F xmlchainattdef	F xmlformulatobuffer
F xmlchecknamespace	F xmlfunction
F xmlcommand	F xmlgetindex
F xmlconcat	F xmlinclude
F xmlconcatrange	F xmlincludeoptions
F xmlcontext	F xmlinclusion
F xmlcount	F xmlinclusionbase
F xmlcssmappedstylevalue	F xmlinclusions
F xmlcssstylevalue	F xmlindex
F xmldelete	F xmlinlineverbatim
F xmldepth	F xmlinstalldirective
F xmldirect	F xmllast
F xmldirectives	F xmllastatt
F xmldirectivesafter	F xmllastmatch
F xmldirectivesbefore	F xmllastpar
F xmldisplayverbatim	F xmlloadbuffer
F xmldoif	F xmlloaddata

F xmlloadaddirectives	F xmlstripped
F xmlloadentities	F xmlstrippednolines
F xmlloadfile	F xmltag
F xmlmain	F xmltexatt
F xmlmatch	F xmltexentity
F xmlname	F xmltext
F xmlnamespace	F xmltobuffer
F xmlnonspace	F xmltobuffertextonly
F xmlpar	F xmltobufferverbose
F xmlparam	F xmltofile
F xmlpath	F xmltoparameters
F xmlpopmatch	F xmlverbatim
F xmlpos	F xmlwithindex
F xmlprependsetup	F year
F xmlpure	T containers
F xmlpushmatch	F cleannamespace
F xmlraw	F content
F xmlrawtex	F define
F xmlrefatt	F is_usable
F xmlregisterns	F is_valid
F xmlremapname	F read
F xmlremapnamespace	B usecache
F xmlremovesetup	F write
F xmlresetinjectors	T context
F xmlresetsetups	F bc
F xmlsave	F bgroup
F xmlsetatt	F char
F xmlsetattribute	F concat
F xmlsetcommandtonone	D conditionals
F xmlsetcommandtotext	F cssdimension
F xmlsetentity	F ctxescape
F xmlsetinjectors	F ctxescaped
F xmlsetpar	F direct
F xmlsetparam	F egroup
F xmlsetsetup	F escape
F xmlsnippet	F escaped
F xmlstartraw	F firstofoneargument
F xmlstarttiming	F firstoftwoarguments
F xmlstopraw	F fprint
F xmlstoptiming	F getlogger
F xmlstrip	F glyph
F xmlstripanywhere	F gobbleoneargument
F xmlstripeverything	F latelua
F xmlstripnolines	F loadfile

F loadviafile	F AK
D modes	F Alphabetic
F newindexer	F Alphabetic:es
F newtexthandler	F Alphabetic:ru
F newverbosehandler	F Alphabetic:sl
F nr	F Character
F par	F Characters
F popcatcodes	F I
F poplogger	F KA
F printlines	F KR
F printtable	F R
F protect	F RK
F pushcatcodes	F Romannumerals
F pushlogger	F Russiannumerals
F rule	F Sloveniannumerals
F runfile	F Spanishnumerals
F runstring	F Word
F safechar	F Words
F secondoftwoarguments	F a
F setconditional	F a:es
F setfontid	F a:ru
F setmode	F a:sl
F setsystemmode	F abjadnodotnumerals
F settracing	F abjadnumerals
F settrialtypesettingmethod	F alphabetic
F space	F alphabetic:es
F sprint	F alphabetic:ru
F startcollecting	F alphabetic:sl
F step	F character
F stepwise	F characters
F stopcollecting	F chineseallnumerals
D systemmodes	F chinesecapnumerals
F tobuffer	F chinesedatenumerals
D tokenizedcs	F chinesenumerals
F tolines	F chr
F trialtypesetting	F chrs
F unprotect	F cn
F utfchar	F cn-a
F viafile	F cn-c
T converters	F cn-d
F A	F convert
F A:es	F decimals
F A:ru	F define
F A:sl	F gregorian_to_hebrew

F gregorian_to_jalali	F running
F hebrewnumerals	F status
F hexstringtonumber	F wrap
F i	F yield
F isleapyear	T ctxrunner
F jalali_to_gregorian	F load
F lhexnumber	F preparedfile
F lhexnumbers	D prepfiles
F leapyear	F resolve
F lower	T debug
F max	F getinfo
F maxchrs	F sethook
F nicenumber	F traceback
F nofdays	F dimen
F number	T dir
F numbers	F collectpattern
F octnumber	F current
F octstringtonumber	F expandlink
F ordinal	F expandname
F r	F found
F romannumerals	F glob
F russiannumerals	F globdirs
D sequences	F globfiles
F settime	F globpattern
F sloveniannumerals	F ls
F spaceddigits	F makedirs
F spanishnumerals	F makedirs
F textime	F pop
F toabjad	F push
F tochinese	T directives
F tohebrew	D data
F toroman	F default
F totime	F disable
F uchexnumber	F enable
F uchexnumbers	F list
F upper	S name
F weekday	F register
F word	F report
F words	F reset
T coroutine	F show
F close	F value
F create	F values
F isyieldable	T document
F resume	D arguments

F getargument	F perlinnoise
F getfilename	F simplexangle
F pdf_cleanup_cidsets	F simplexdetail
F pdf_cleanup_procsets	F simplexnoise
F pdf_identify_content	F stepoctave
F pdf_serialize_content	T environment
F pdf_strip_content	F argument
F pdf_strip_page	D arguments
F setargument	D basicengines
F setcommandline	N currentrun
F setdefaultargument	F definefilefallback
F setenvironments	F definefilesynonym
F setfilename	D engineflags
F setfilenames	S filename
F setmodes	D filesynonyms
F setmodules	N forcedruns
D variables	F getargument
T documentdata	F globfiles
F variable	S homedir
F dofile	B initex
T drivers	B initexmode
F applyanchor	F initializearguments
F applyorientation	F initializefilenames
F convert	S inputfilebarename
F enable	S inputfilename
F finalize	S inputfilesuffix
F gethpos	S jobfilefullname
F gethvrpos	S jobfilename
F getpos	S jobfilesuffix
F getrpos	N kindofrun
F getvpos	N lmtxmode
F initialize	F loadexamodes
F install	F loadluafile
N lmtxversion	F luafile
F outputfilename	F luafilechunk
F report	S luatexengine
T effects	N luatexfunctionality
F getoctaveloops	S luatexverbose
F getoctavemethods	N luatexversion
F getoctavestatus	N maxnofruns
F getoctavevariants	S oldhome
F newoctave	D originalarguments
F octave	S outputfilename
F octavebytemap	S ownbin

S ownmain	D converters
S ownname	F current
S ownpath	N defaultdepth
B prerollrun	N defaultheight
D rawarguments	B defaultsearch
F reconstructcommandline	N defaultwidth
F relativepath	F done
F setargument	F dummy
F splitarguments	D exists
S suffix	F exists
F texfile	D formats
S texmfos	D found
S texos	F get
S texroot	F getinfo
F truefilename	F getpdfinfo
F useluamodule	F getrealpage
F usemodules	F guess
D validengines	F guessfromstring
S version	F hash
F error	D identifiers
T experiments	F identify
D data	F include
F default	D includers
F disable	F initialize
F enable	D loaded
F list	D localpaths
S name	D magics
F register	F mergegoodies
F report	N nofmissing
F reset	N nofprocessed
F show	D order
F value	D paths
F values	D patterns
T figures	F pop
F applyratio	B preferquality
F badname	D programs
D bases	F push
F bitmapimage	F qrcode
N boxnumber	F registerpattern
F bytepalette	F registerresource
D cachepaths	F registersuffix
F check	D remappers
D checkers	D resources
D conversions	F scale

F set	F suffixonly
F setconversion	F syncmtimes
F setlookups	F withinbase
F setorder	T fio
F setpaths	F getposition
D suffixes	F read2dot14
D used	F readbytes
T file	F readbytetable
F addsuffix	F readcardinal1
F basename	F readcardinal1lle
F checksum	F readcardinal2
F collapsepath	F readcardinal2le
F copy	F readcardinal3
F dirname	F readcardinal3le
F expandname	F readcardinal4
F extname	F readcardinal4le
F is_qualified_path	F readcardinaltable
F is_readable	F readcline
F is_rootbased_path	F readcstring
F is_writable	F readfixed2
F isreadable	F readfixed4
F iswritable	F readinteger1
F join	F readinteger1le
F joinpath	F readinteger2
F loadchecksum	F readinteger2le
F nameonly	F readinteger3
F nametotable	F readinteger3le
F needs Updating	F readinteger4
F needsupdating	F readinteger4le
F pathpart	F readintegertable
F readdata	F setposition
F removesuffix	F skipposition
F replacesuffix	F writecardinal1
F reslash	F writecardinal1lle
F robustname	F writecardinal2
F savechecksum	F writecardinal2le
F savedata	F writecardinal3
F size	F writecardinal3le
F splitbase	F writecardinal4
F splitname	F writecardinal4le
F splitpath	T floats
F suffix	F analysemethod
F suffixes	F checkedpagefloat
F suffixesonly	F collect

F consult	F mode
F flush	D names
F getvariable	D nulldata
F hasstacked	D protrusions
F nofstacked	F registersanitizer
F pop	F reserveid
F push	F toeffect
F resave	T functions
F save	F dummy
F stacked	F getmetatable
T font	T globaldata
F addcharacters	N CONTEXTLMTXMODE
F addquality	N LUAFORMAT
F current	N LUAMAJORVERSION
F define	N LUAMINORVERSION
F getfont	S LUATEXENGINE
F getfontdimen	N LUATEXFORMATID
F getfontfields	N LUATEXFUNCTIONALITY
F getfontspec	S LUATEXVERBOSE
F getmathcharacterfields	N LUATEXVERSION
F getmathindex	N LUAVERSION
F getmathspec	F SAVEDREQUIRE
F getparameterfields	F assert
F gettextcharacterfields	F collectgarbage
F id	F dimen
F max	F dofile
F nextid	F error
F setfont	F getmetatable
F setfontdimen	T graphics
F xscaled	T backgrounds
F yscaled	F fetchmultipar
T fonts	F pair
F current	F path
F currentid	F point
F definetypface	T bitmaps
F enhanceid	F flush
D expansions	F load
D formats	T loaders
F getalternate	F jpeg
F getindices	F jpg
F getkern	F png
F getmultiple	F new
F getsubstitution	F placeholder
F infofont	F tocontext

F bpsize	F inspect
T colorspace	T interactions
T identifiers	D attachments
F bitmap	T fields
F jp2	F clone
F jpeg	F define
F jpg	F defineset
F png	F insert
F identify	T general
F registerpdfcompactor	F getidentity
F registerpdffont	F getidentityvariable
T synchronizers	T help
F collapse	F collect
F collect	F reference
F extend	F register
F getbottom	T javascripts
F getd	F addtopreamble
F geth	F code
F getkind	D codes
F getsizes	F flushpreambles
F gettask	D functions
F gettop	D preambles
F getw	F setpreamble
F getx	F storecode
F gety	F storepreamble
F prune	F usepreamblenow
T gzip	F usescripts
F compress	D linkedlists
F compressed	T pages
F decompress	F setpagetransition
F load	F setupcanvas
F save	T references
F suffix	F setcloseddocumentaction
T helper	F setclosepageaction
F getprofile	F setopendocumentaction
F mathnested	F setopenpageaction
F mathprocess	D renderings
F mathstep	T interfaces
F snapindeed	T arrays
F snaplist	D cachedsetups
F traversecharmethod	F cachesetup
F traverseglyphmethod	T cardinals
F traversehorizontal	F checkedspecification
F traversevertical	D complete

D constants	D usednamespaces
D corenamespaces	D variables
S currentinterface	F writestatus
S currentresponse	T io
F definecommand	F ask
F defined	F bytes
F doifelsemessage	F characters
D elements	F close
T floats	F copydata
D formats	F exists
F getmessage	S fileseparator
F getnamespace	F flush
F getsetupstring	F gobble
D hashedsetups	F input
F implement	F lines
T integers	F loadchunk
F interfacedcommand	F loaddata
T interfaces	F loadlines
F knownscanner	F newreader
F message	F noflines
F nameofscanner	F open
T namesofscanners	F output
T namespaces	S pathseparator
F define	F popen
F list	F read
T numbers	F readall
F registernamespace	F readnumber
F registerscanner	F readstring
D scanners	F savedata
F setconstant	F size
F setcount	U stderr
F setdimen	U stdin
F setelement	U stdout
F setformat	F tmpfile
F setmacro	F type
F setmessage	F write
F setmessages	F ipairs
F settranslation	T job
D setupstrings	F comment
F setvariable	T datasets
F showmessage	D collected
D storedscanners	F extend
F tolist	F getdata
D translations	F setdata

D tobesaved
 F disablesave
 T embedded
 D collected
 D tobesaved
 T fileobjreferences
 D collected
 D tobesaved
 T files
 D collected
 F context
 B forcerun
 F run
 D tobesaved
 F getrandomseed
 F initialize
 T linkedlists
 D collected
 D tobesaved
 F load
 F loadother
 T meshedup
 D collected
 D tobesaved
 T objects
 D collected
 F get
 F number
 F page
 F save
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 D tobesaved
 B pack
 N packversion
 T pagestates
 D collected
 F countervalue
 F extend
 F realpage
 F realpageorder
 F setstate
 D tobesaved
 T parwrappers
 D collected

D tobesaved
 T positions
 F b_column
 F b_region
 F c
 D collected
 F column
 F columnofpos
 F copy
 F depth
 F e_column
 F e_region
 F enhance
 F extra
 F get
 F getcolumndata
 F getfree
 F gethpos
 F gethvrpos
 F getpos
 F getreserved
 F getrpos
 F getsync
 F gettobesaved
 F getvpos
 F hangafter
 F hangindent
 F height
 F hsize
 N lastr
 N lastx
 N lasty
 F leftskip
 F lowerleft
 F lowerright
 F markregionbox
 F n
 F onsamepage
 F overlapping
 F p
 F page
 F paragraph
 F parindent
 F position

F r	F current
F region	F gethjcode
F registerhandlers	F has_language
F replace	F hyphenate
F rightskip	F hyphenation
F set	F hyphenationmin
F setall	F id
F setregionbox	F new
F setspec	F patterns
F settobesaved	F postexhyphenchar
D tobesaved	F posthyphenchar
F upperleft	F preexhyphenchar
F upperright	F prehyphenchar
F used	F sethjcode
F whd	F setwordhandler
F width	T languages
F x	F addgoodiesdata
F xy	F addgoodiesfile
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F register	F associate
F save	D associated
T structure	F association
D collected	D counters
T components	F current
T namestack	D data
T tobesaved	D decimals
T branches	F define
S name	F explicithyphen
S type	F exportlanguage
T variables	F flatten
D checksums	T frequencies
D collected	F averagecharwidth
F getchecksum	F getdata
F makechecksum	F getdata
F restore	F getmetadata
F save	F getnumber
F setchecksum	F goodiefiles
D tobesaved	T hjcounts
N version	F hyphenate
T kpse	T hyphenators
T language	T dictionaries
F clean	D featuresets
F clearhyphenation	F handler
F clearpatterns	T methods

F expanded	F serializediscretionary
B none	F setexceptions
F original	F setgoodieshandler
F tex	F setoptions
F traditional	F setpatterns
F popmethod	F setsynonym
F pushmethod	F setwordhandler
F setmethod	F showdiscretionaries
F setup	F strippedgoodiewords
F showhyphenationtrace	F tolang
T traditional	T transliteration
F definefeatures	F exception
F gettrace	F handler
F hyphenate	F register
F injecthyphens	F set
F installmethod	F use
F lasttrace	F unload
F loadpatterns	T urls
F registerexception	D characters
F registerpattern	N lefthyphenmin
F setfeatures	D mapping
F installed	B packslashes
F installhandler	N righthyphenmin
T labels	F setcharacters
F define	N version
F split	F visualizediscretionaries
F loadable	T words
F loadwords	F check
T logger	T data
F report	F disable
F noflattened	F enable
D numbers	T enablers
F pdflanguage	B enables
F postexhyphenchar	F found
F posthyphenchar	F load
F preexhyphenchar	T methods
F prehyphenchar	N threshold
D registered	T layouts
T registeredactions	F getcanvas
T replacements	F getpagedimensions
F add	F setupcanvas
F addlist	T status
F handler	F isleftpage
F set	F leftorrightpageaction

T lfs	F get
F attributes	F getvariables
F chdir	F htmfile
F currentdir	T html
F dir	F a
F isdir	F td
F isfile	F th
F isfound	F include
F isreadabledir	T inherited
F isreadablefile	S color-background-four
F iswriteabledir	S color-background-one
F iswriteablefile	S color-background-three
F link	S color-background-two
F mkdir	S title
F mkdirs	F initialize
F modification	F inject
F readlink	F lmxfile
F rmdir	F loadedfile
F setexecutable	F make
F symlink	F new
F symlinktarget	F popupfile
F touch	F print
F walkdir	F pv
T libraries	F report
D basiclua	F reset
D basictex	F result
D builtin	F set
D extralua	F show
D extratex	F stripcss
D functions	F tv
D globals	F type
D obsolete	F urlescape
D optional	F variable
T lmx	T variables
F color	S color-background-blue
F convert	S color-background-body
F convertfile	S color-background-green
F convertstring	S color-background-main
F einject	S color-background-purple
F eprint	S color-background-yellow
F escape	S title-default
F finalized	F load
F finject	D loaders
F fprint	F loadfile

F loadstring	F texerrormessage
T logs	F writer
F application	T lpdf
F categories	F action
F direct	F adddocumentcolorspace
F disable	F adddocumenttextgstate
F enable	F adddocumentpattern
F finalactions	F adddocumentshade
F flush	F addtocatalog
F loggingerrors	F addtoinfo
F messenger	F addtonames
F new	F addtopageattributes
F newline	F addtopageresources
F poplogfile	F addtopagesattributes
F poptarget	F addxmpinfo
T private	F annotationspecification
F enablepagetiming	F array
F getpagetiming	F attachmentsymbols
F pushlogfile	F boolean
F pushtarget	F border
F registerfinalactions	F checkedkey
F report	F checkedresources
F reporter	F checkedvalue
F resetlogfile	F circularshade
F setformats	F close
F setformatters	F cmykcode
F setlogfile	F collectedresources
F setmessenger	F color
F setprocessor	F colorspace
F settarget	D colorspaceconstants
F settimedlog	F colorspec
F settranslations	F colorvalue
F show	F colorvalues
F start_page_number	F commentsymbols
F start_run	F compressdata
F startererrorlogging	F compresslevel
F startfilelogging	F constant
F status	F copyarray
F stop_page_number	F copyboolean
F stoperrorlogging	F copyconstant
F stopfilelogging	F copydictionary
F subdirect	F copyfloat
F subreport	F copyinteger
F system	F copynumber

F copystring	F pageplugin
F copyunicode	F parsecontent
F deferredobject	F producer
F delayedobject	T resolvers
F destinationspecification	F destinations
F dictionary	F embeddedfiles
F docstring	F javascripts
T encodingvalues	F layers
N base16	F pages
N base85	F structure
N decoded	F widgets
N encoded	F unload
N plain	F verboseobject
N utf16be	F escaped
N utf16le	F finalizedocument
T endpoints	F finalizepage
S Div	F finalizesignature
S Part	F finishtransparencycode
S Sect	T flags
T epdf	T annotations
F allcontent	N AutoView
F analyzefonts	N Hidden
F contentplugin	N Invisible
F contenttostring	N Locked
F contenttotext	N LockedContents
D encryptioncodes	N NoRotate
F expanded	N NoView
F expandwidths	N NoZoom
F fontplugin	N Print
F getpagecontent	N Printable
F getstructure	N ReadOnly
T helpers	N ToggleNoView
F tounicodetable	N auto
T image	N hidden
F close	N printable
F copy	T widgets
F new	N Comb
F open	N CommitOnSelChange
F query	N DoNotScroll
F load	N DoNotSpellCheck
F mergewidths	N Edit
D objectcodes	N FileSelect
F objectrange	N MultiLine
F objecttype	N NoExport

N NoToggleToOff	F gettrailerid
N Password	F getversion
N PopUp	F getxformname
N PushButton	F graycode
N Radio	T h_hex_2
N RadiosInUnison	S
N ReadOnly	S
N Required	S
N RichText	S
N Sort	S
N file	S (
N fixed	S)
N nocheck	S \
N protected	T h_hex_4
N readonly	F hasmatrix
N required	F immediateobject
N sorted	F includeimage
N unavailable	F initialize
F flushfonts	T injectors
F flushgroup	F bitmap
F flushobject	F jp2
F flushstreamfileobject	F jpg
F flushstreamobject	F png
T fonts	F injectxmpinfo
F color_direct	F insertxmpinfo
F color_indirect	F lastreferredpage
D formats	F layerreference
F frombytes	F limited
F fromeight	F linearshade
F frompdfdoc	F literal
F fromsixteen	F majorversion
F getcatalog	F makenametree
F getcompression	F minorversion
F getfontname	F nofontregistries
F getfontobjectnumber	F nopages
F getformatoption	F null
F getinfo	F number
F getmatrix	F object
F getnofpages	F objectcompresslevel
F getpageproperties	F pagereference
F getpagereference	F patternstream
F getpagetags	F pdfcolor
F getpos	F pdftimestamp
F gettaggingstatus	T permissions

N access	F topdfdoc
N add	F topermissions
N assemble	F tosixteen
N extract	F transparency
N fillin	F transparencycode
N modify	T transparencygroups
N print	B none
N quality	F transparencyvalue
F preparesignature	F unicode
F print	T usedcharacters
F procset	T usedfontnames
B protectresources	N dejavusansmonoboldttf-1-0-0
F quads	T usedfontobjects
F rectangle	N dejavusansmonoboldttf-1-0-0
F reference	D usedfontstreams
F registerannotation	T usedindices
F registerdestination	T dejavusansmonoboldttf-1-0-0
F registerdocumentfinalizer	F verbose
F registerfontmethod	T lpeg
F registerinitializer	F B
F registerpagefinalizer	F C
F registerpattern	F Carg
F registersignature	F Cb
F replacempinfo	F Cc
F reserveobject	F Cf
F rgbcode	F Cg
F rotationcm	F Cmt
F setcompression	F Cp
F setencryption	F Cs
F setpageorder	F Ct
F setpagestate	F P
F setpagetag	F R
F setutfstringmode	F S
F setversion	F UP
F sharedobject	F UR
F shareobject	F US
F shareobjectreference	F V
F splitsixteen	F afterprefix
F spotcode	F anywhere
F stream	F append
F string	F balancer
F supportedformats	F beforesuffix
F tocidset	F checkedsplit
F toeight	F containsws

F counter	F getcurrenttime
F endstripper	F getdebuginfo
F finder	F getexitcode
F firstofsplit	F getfunctionstable
F frontstripper	F getnibble
F instringchecker	F getnumerickeys
F is_peg	F getpreciseseconds
F keeper	F getpreciseticks
F locale	F getruntime
F match	F getstacktop
F oneof	F getstartupfile
D patterns	F getstringkeys
F pcode	F getversion
F print	N lastbytecode
F ptree	D messages
F replacer	F newindex
F secondofsplit	F newtable
F setmaxstack	D numbers
F setutfcasers	F protectglobal
F split	F registercode
F splitat	F registeredcodes
F splitter	F registerglobal
F stripper	F registerinitexfinalizer
F times	F registername
F tsplitat	F setbytecode
F tsplitter	F setexitcode
F type	F setnibble
F utfR	S startupfile
F utfchartabletopattern	F subnibble
F utfreplacer	S version
S version	T luac
T lua	F inspect
F addnibble	F print
T bytecode	T luatex
D bytedata	F abort
T bytedone	F cleanup
F callbytecode	F cleanuptempfiles
F comparekeys	F currentfile
F finalizeinitex	F currentlevel
N firstbytecode	F currenttotal
F get_functions_table	F poprunstate
F getallkeys	F pushrunstate
F getbytecode	F registerdumpactions
F getcheckedkeys	F registerpageactions

F registerstartactions	F direct
F registerstopactions	T directives
F registertempfile	F after
N starttime	F before
T syntex	F handle
F blockfilename	F load
F collect	F setup
F disable	F displayverbatim
F enable	F doif
F finish	F doifelse
F isenabled	F doifelseempty
F pause	F doifelsetext
F popline	F doifempty
F pushline	F doifnot
F registerdisabler	F doifnotempty
F registerenabler	F doifnottext
F resetfilename	F doiftext
F resume	F element
F setfilename	F elements
F setup	D entities
F start	F fileline
F stop	F filename
F wrapup	F filter
F wrapup	F filterlist
T lxml	F first
F addindex	F flush
F all	F flushlinewise
F applyfunction	F flushsetups
F applyselectors	F flushspacewise
F att	F get_id
F attribute	F getid
F badinclusions	F getindex
F chainattribute	F id
F checkindex	U idsplitter
F collected	F ifatt
F command	F ifattempty
F concat	F include
F concatrange	F inclusion
F content	F inclusions
F context	F index
F convert	F inlineverbatim
F count	F installsetup
F delete	F last
F depth	F lastatt

F lastmatch	F setparameter
F lastpar	F setsetup
F load	F snippet
F loadbuffer	T sorters
F loaddata	F add
T loaded	F compare
F main	F flush
F match	F reset
F name	F show
F namespace	F sort
F nonspace	F splitid
T obsolete	F startraw
F get_id	F startunesaped
F par	F stopraw
F param	F stopunesaped
F parameter	F store
F path	F strip
F popmatch	F stripped
F pos	F tag
F position	F texatt
F pure	F text
F pushmatch	F tobuffer
F raw	F tofile
F rawroot	F toparameters
F rawtex	F toverbatim
F refatt	F verbatim
F register	F withinindex
F registerentity	D xmltexhandler
F removesetup	T math
F replace	F abs
F resetcdata	F acos
F resetsetups	F asin
F resolvedentity	F atan
F root	F atan2
F save	F ceil
F serialize	F ceiling
F setaction	F cos
F setatt	F cosd
F setattribute	F cosh
F setcdata	F deg
F setcommandtonone	F div
F setcommandtotext	F even
F setpar	F exp
F setparam	F floor

F fmod	D classnames
F frexp	D codes
N huge	F define
N initialseed	T dictionaries
F ldexp	D data
F log	D defaults
F log10	D groups
F max	F groupset
N maxinteger	F groupsetgroup
F min	F name
N mininteger	D names
F mod	F registercharacter
F modf	F registergroup
F odd	F registergroupset
N pi	D sets
F pow	D variants
F rad	F dimensions
F random	F disablecollecting
F randomseed	T domainlabels
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F setrandomseedi	N default
F sin	F enablecollecting
F sind	F extensiblecode
F sinh	D extensibles
F sqrt	N extrabase
F tan	T fallbacks
F tand	F apply
F tanh	F install
F tointeger	F fallbackstyleattr
F type	F familyname
F ult	F functiontype
T mathematics	D gaps
F addfallbacks	F getblobindex
F addvariant	F getboth
D alphabets	F getdomainname
D alternatives	F gettextensibledata
F beforepassingfonttotex	F getmathblob
F big	F getoptionallabel
D boldmap	F getstyle
T categories	F gettextblob
D functions	F getverboselabel
D charactersets	F horizontalcode
F checkaftercopyingfont	F initializeparameters
D classes	F makefont

D mapremap	F addequals
F markblobindexdone	F addfourier
F overloadparameters	F addmirrors
F preset	F addparts
T presets	F addprivates
T less	F addrules
T more	F addscripts
T zero	F bigslots
N privatebase	F checkaccents
F registerextensible	F checkspacing
F registersimplematrix	F copyaccents
F registerverboselabel	T datasets
F remapalphabets	T accentdimensions
F renderextensible	T accent
T renderings	T over
D mappings	T under
D numbers	T addarrows
D sets	T addscripts
F renderset	T checkspacing
F resetattributes	T copyaccents
F scaleparameters	T fixprimes
F setextensibledata	T fixslashes
F setmathsymbol	T wipecues
D sets	F dimensions
F setsnapping	F extendaccents
F setvariant	F fallbacks
D styles	F fixaccents
F syncboth	F fixellipses
F syncname	F fixintegrals
F syncstyle	F fixoldschool
T tagging	F fixprimes
B mfenced	F fixradicals
F toengineclass	F fixslashes
F toname	F fixvariants
F tostyle	F flattenaccents
F tweakaftercopyingfont	F fontname
F tweakbeforecopyingfont	F inspect
T tweaks	F keepbases
F accentdimensions	F kernpairs
F action	F kerns
F addactuarian	T kernsets
F addarrows	T .,
F addbars	F margins
F addcomposites	F message

F moveitalics	T md5
F movelimits	F HEX
F parameters	F dec
F radicalbodymargins	F hex
F radicaldegreeanchors	F sum
F replace	F sumHEXA
F replacealphabets	F sumhexa
F replacerules	T metapost
F setoptions	F checkformat
F setovershoots	F checktracingonline
F showinfo	F cm
F simplifykerns	T codes
F sortvariants	N addto
F staircase	N ampersand
T subsets	N and
T acenorsuvxz	N assignment
T bhklt	N atleast
T d	N begingroup
T dotless	N btex
T f	N capsule
T gjqy	N colon
T horizontalfences	N comma
T i	N controls
T integrals	N curl
T letterlike	N cycle
T mw	N definedmacro
T p	N delimiters
F substitute	N endgroup
F topanchors	N equals
F tweaks	N etex
F version	N everyjob
F wipeanchors	N exittest
F wipecues	N expandafter
F wipeitalics	N fiorelse
F wipevariants	N if
F utfmathaccent	N input
F utfmathclass	N interim
F utfmathcommand	N internal
F utfmathfiller	N iteration
F utfmathstretch	N leftbrace
F variantcode	N leftbracket
F variantcount	N leftdelimiter
F virtualize	N let
D virtualized	N macrodef

N macrospecial	N typename
N maketext	N unary
N message	N undefinedcs
N mode	N until
N newbytemap	N void
N newinternal	N with
N nullary	N within
N numeric	N write
N of	F colorinitializer
N ofbinary	F convert
N onlyset	F currentmpx
N parametertype	F currentmpxstatus
N pathconnect	S defaultformat
N pathjoin	S defaultinstance
N plusorminus	S defaultmethod
N primarybinary	F directrun
N primarydef	F escaped
N property	T exectime
N protection	D extensiondata
N relax	F filterclippath
N repeatloop	F flush
N rightbrace	T flushers
N rightbracket	T pdf
N rightdelimiter	F flushfigure
N runscript	F startfigure
N save	F stopfigure
N scantokens	F textfigure
N secondarybinary	F tocomment
N secondarydef	F flushnormalpath
N semicolon	T fonts
N setbounds	F define
N shipout	F format_number
N show	F format_string
N slash	F formatnumber
N step	F getbackendoption
N stop	F getbendtolerance
N str	F getbuffer
N string	F getclippath
N tag	F getextensions
N tension	F getextradata
N tertiarybinary	F gethashentries
N tertiarydef	F getinstancebyname
N thingstoadd	F getinstanceinfo
N to	F getinstancenames

F getjobdata	F pushformat
F getmovetolerance	F pushscriptrunner
F getparameter	F pushvariable
F getparameterpreset	F pushvariables
F getparameterset	B quitonerror
F getrecord	B reducetogray
F getstatistics	F registerdirect
F gettext	F registerscript
F gettolerance	F registertokens
F graphic	F remappedtext
F graphic_base_pass	F remaptext
F hascurvature	F reportererror
F includesvgbuffer	F reportsvgfonts
F includesvgfile	F reset
F installplugin	F resetbackendoptions
F isobject	F resetlastlog
T knownparameters	F resetplugins
S lastlog	F run
F load	F runinternal
F maketext	F runscript
F mesh	F scanparameters
T metafonts	F scriptindex
T metafun	F setbendtolerance
F interpolate	F setbuffer
F topath	F setextensions
T mptopdf	F setlogging
F convertmpstopdf	F setmovetolerance
N nofconverted	F setoutercolor
N n	F setparameter
F newlogger	F setparameterset
N nofruns	F setrecord
F nofscriptruns	F setttext
F nvformat	F settolerance
F pdfliterals	F setvariable
F pluginactions	B showlog
F popformat	F showsvgpage
F popscriptrunner	F simple
F popvariable	F splitprescript
F popvariables	F startgraphic
F preparetexttextsdata	F startsvghashing
F process	F stopgraphic
F processing	F stopsvghashing
F processplugins	F svformat
T properties	B svgcachefile

F svgcolorremapper	N structured
T svgfactors	N suffixedmacro
N %	N tokenlist
N bp	N transform
N cm	N unknownboolean
N em	N unknownnep
N ex	N unknownpath
N in	N unknownpen
N mm	N unknownpicture
N pc	N unknownstring
N pt	N unsuffixedmacro
N px	N vacuous
F svgglyphtomp	F typesvgpage
F svgshapestomp	F unload
F svgshapestopdf	F untagvariable
F svgsplitcolor	T variables
F svgtomp	T mime
F svgtopdf	F b64
F sxsy	F decode
T tex	T decodet
F get	F base64
F reset	F quoted-printable
F set	F dot
F setfrombuffer	F encode
B texerrors	T encodet
F texexp	F base64
F theclippath	F quoted-printable
F tographic	F eol
F totable	F normalize
T types	F qp
N boolean	F qpwrp
N cmykcolor	F report
N color	F stuff
N dependent	F unb64
N independent	F unqp
N known	F wrap
N nep	T wrapt
N numeric	F base64
N pair	F default
N path	F quoted-printable
N pen	F text
N picture	F wrp
N protodependent	T moduledata
N string	T modules

D anch-loc	D font-chk
D anch-pgr	D font-cid
D anch-snc	D font-col
D back-exp	D font-con
D back-exp-imp-fnt	D font-ctx
D back-exp-imp-mth	D font-def
D back-exp-imp-ref	D font-dsp
D back-exp-imp-tag	D font-enc
D back-imp-lua	D font-enh
D back-imp-mps	D font-fbk
D back-imp-pdf	D font-fmp
D back-imp-pdp	D font-hsh
D back-inc	D font-imp-checks
D blob-ini	D font-imp-combining
D buff-imp-default	D font-imp-compound
D buff-imp-escaped	D font-imp-digits
D buff-imp-lua	D font-imp-dimensions
D buff-imp-mp	D font-imp-effects
D buff-imp-nested	D font-imp-italics
D buff-imp-parsed-xml	D font-imp-ligatures
D buff-imp-tex	D font-imp-math
D buff-imp-xml	D font-imp-notused
D buff-ini	D font-imp-properties
D buff-par	D font-imp-quality
D buff-ver	D font-imp-reorder
D char-enc	D font-imp-scripts
D chem-ini	D font-imp-spacekerns
D chem-str	D font-imp-tex
D cldf-com	D font-imp-text
D cldf-ver	D font-imp-tracing
D colo-icc	D font-imp-tweaks
D colo-ini	D font-imp-unicode
D cont-run	D font-ini
D core-con	D font-lig
D core-ctx	D font-log
D core-dat	D font-lua
D core-sys	D font-map
D driv-shp	D font-mpf
D file-mod	D font-mps
D file-syn	D font-nod
D font-afk	D font-ogr
D font-agl	D font-one
D font-aux	D font-onr
D font-cff	D font-osd

D font-ota	D lang-dis
D font-otc	D lang-exc
D font-otd	D lang-hup
D font-oth	D lang-hyp
D font-oti	D lang-ini
D font-otj	D lang-lab
D font-otl	D lang-rep
D font-oto	D lang-tra
D font-otr	D lang-txt
D font-ots	D lang-url
D font-ott	D lang-wrd
D font-oup	D libs-imp-curl
D font-pat	D libs-imp-ghostscript
D font-prv	D libs-imp-graphicsmagick
D font-san	D libs-ini
D font-sel	D lpdf-ano
D font-shp	D lpdf-col
D font-sol	D lpdf-epa
D font-syn	D lpdf-epd
D font-tfm	D lpdf-fix
D font-tpk	D lpdf-fix-imp-contents
D font-trt	D lpdf-fix-imp-fonts
D font-ttf	D lpdf-fld
D font-txt	D lpdf-fmt
D font-vfc	D lpdf-grp
D font-vir	D lpdf-img
D good-ctx	D lpdf-ini
D good-gen	D lpdf-lmt
D good-ini	D lpdf-mis
D good-mth	D lpdf-ren
D grph-bmp	D lpdf-rul
D grph-con	D lpdf-sig
D grph-epd	D lpdf-tag
D grph-fil	D lpdf-u3d
D grph-img	D lpdf-wid
D grph-inc	D lpdf-xmp
D grph-pat	D lxml-css
D grph-raw	D lxml-dir
D grph-rul	D lxml-ent
D grph-trf	D lxml-ini
D grph-u3d	D lxml-mms
D java-ini	D lxml-sor
D lang-cnt	D lxml-tex
D lang-def	D math-act

D math-ali	D mlib-snc
D math-dim	D mlib-svg
D math-ext	D node-ali
D math-fbk	D node-bck
D math-fnt	D node-fnt
D math-frc	D node-par
D math-ini	D node-ref
D math-map	D node-rul
D math-mps	D node-tra
D math-noa	D node-typ
D math-pre	D pack-obj
D math-rad	D pack-ori
D math-ren	D pack-rul
D math-spa	D page-blk
D math-tag	D page-cst
D math-ttv	D page-flt
D math-txt	D page-ini
D math-vfu	D page-inj
D meta-blb	D page-ins
D meta-fnt	D page-lin
D meta-fun	D page-mix
D meta-imp-txt	D page-otr
D meta-ini	D page-pst
D meta-lua	D page-sel
D meta-nod	D page-str
D meta-pdf	D phys-dim
D meta-tex	D publ-aut
D mlib-cnt	D publ-dat
D mlib-ctx	D publ-fnd
D mlib-fio	D publ-inc
D mlib-int	D publ-ini
D mlib-lmp	D publ-jrn
D mlib-lmt	D publ-oth
D mlib-lua	D publ-reg
D mlib-mat	D publ-sor
D mlib-mpf	D publ-tra
D mlib-msh	D publ-usr
D mlib-pdf	D regi-ini
D mlib-pos	D scrn-but
D mlib-pps	D scrn-fld
D mlib-ptr	D scrn-hlp
D mlib-ran	D scrn-ini
D mlib-run	D scrn-pag
D mlib-scen	D scrn-ref

D scrn-wid	D tabl-xtb
D scrp-cjk	D task-ini
D scrp-eth	D trac-bld
D scrp-ini	D trac-jus
D scrp-tha	D trac-par
D scrp-tib	D trac-riv
D sort-ini	D trac-sig
D sort-lan	D trac-vis
D spac-ali	D type-ini
D spac-brk	D typo-adj
D spac-chr	D typo-bld
D spac-hor	D typo-brk
D spac-ovl	D typo-cap
D spac-par	D typo-chr
D spac-pas	D typo-cln
D spac-prf	D typo-dha
D spac-twi	D typo-dif
D spac-ver	D typo-dig
D strc-bkm	D typo-dir
D strc-blk	D typo-drp
D strc-con	D typo-duc
D strc-doc	D typo-fkr
D strc-flt	D typo-fln
D strc-ini	D typo-hid
D strc-itm	D typo-inj
D strc-lev	D typo-itc
D strc-lst	D typo-krn
D strc-mar	D typo-lan
D strc-mat	D typo-lbx
D strc-not	D typo-man
D strc-num	D typo-mar
D strc-pag	D typo-ovl
D strc-ref	D typo-pag
D strc-reg	D typo-par
D strc-rsc	D typo-pnc
D strc-syn	D typo-prc
D strc-tag	D typo-rep
D strc-usr	D typo-rub
D symb-emj	D typo-spa
D symb-ini	D typo-stc
D syst-cmp	D typo-sus
D tabl-ali	D typo-syn
D tabl-ntb	D typo-tal
D tabl-tbl	D typo-wrp

D unic-ini	F flush
T mp	F format
F autoinject	F formatted
T aux	F fprint
F boolean	T get
F color	F hashentry
F direct	F getbytemap
F draw	F getbytemapdata
F fill	F getlastaddtype
F flush	F graphformat
F fprint	T inject
F integer	F boolean
F number	F cmykcolor
F numeric	F color
F pair	F integer
F pairpoints	F number
F path	F numeric
F pathpoints	F pair
F points	F path
F print	F pt
F quadruple	F quadruplet
F quadruplepoints	F string
F quoted	F transform
F size	F triplet
F string	F vector
F transform	F vectors
F triplet	F whatever
F tripletpoints	F whd
F vprint	F xy
F boolean	F integer
F bytemap_load_from_file	T lmt_color_functions
F cleaned	F shade
F color	F step
F dataset	F lmt_contours_bitmap_get
T datasets	F lmt_contours_bitmap_set
F load	F lmt_contours_cleanup
F direct	F lmt_contours_color
F downgradebytemap	F lmt_contours_edge_get_band
F downsamplebytemap	F lmt_contours_edge_get_cell
F draw	F lmt_contours_edge_paths
F expandtex	F lmt_contours_edge_set
F fill	F lmt_contours_edge_set_by_band
F fillbytemap	F lmt_contours_edge_set_by_cell
F flatten	F lmt_contours_format

F lmt_contours_function	F mf_blob_dimensions
F lmt_contours_maxmean	F mf_blob_index
F lmt_contours_maxz	F mf_blob_new
F lmt_contours_minmean	F mf_blob_raw_content
F lmt_contours_minz	F mf_blob_raw_dimensions
F lmt_contours_nofvalues	F mf_blob_raw_reset
F lmt_contours_nx	F mf_blob_raw_toutf
F lmt_contours_ny	F mf_blob_raw_wipe
F lmt_contours_range	F mf_blob_size
F lmt_contours_shade_paths	F mf_blob_width
F lmt_contours_shade_set	F mf_external_figure
F lmt_contours_shape_paths	F mf_finish_saving_data
F lmt_contours_start	F mf_formatted_text
F lmt_contours_stop	F mf_get_outline_text
F lmt_contours_value	F mf_graphic_text
F lmt_contours_xrange	F mf_inject_blob
F lmt_contours_yrange	F mf_map_move
F lmt_function_x	F mf_map_text
F lmt_glyphshape_accent	F mf_named_color
F lmt_glyphshape_baseline	F mf_outline_text
F lmt_glyphshape_boundingbox	F mf_save_data
F lmt_glyphshape_depth	F mf_script_index
F lmt_glyphshape_height	F mf_start_saving_data
F lmt_glyphshape_italic	F mf_stop_saving_data
F lmt_glyphshape_llx	F mode
F lmt_glyphshape_n	F n
F lmt_glyphshape_path	F newbytemap
F lmt_glyphshape_start	F number
F lmt_glyphshape_stop	F numeric
F lmt_glyphshape_usedbox	F pair
F lmt_glyphshape_usedline	F pairpoints
F lmt_glyphshape_width	F path
F lmt_mesh_set	F pathpoints
F lmt_mesh_update	F points
F lmt_poisson_generate	F processbytemap
F lmt_start_potrace	F processingmode
F lmt_step_potrace	F quadruple
F lmt_stop_potrace	F quadruplepoints
F lmt_surface_do	F quoted
F lmt_svg_include	F report
F loadbytemap	T scan
F loadbytemapfile	F boolean
F mesh_register	F cmykcolor
F mf_blob_add	F color

F expression	F getcolormodels
F integer	F getfields
F next	F gethashentries
F number	F gethashentry
F numeric	F getinternalactions
F pair	F getknotstates
F path	F getlastadddtype
F pen	F getlogtargets
F property	F getObjectdata
F string	F getObjectpeninfo
F symbol	F getObjectstacking
F token	F getObjecttypes
T tokenscanners	F getResultstatus
F transform	F getscantypes
T typescanners	F getstates
F whatever	F getstatistics
T set	F getstatus
F setbyteimap	F gettolerance
F setbyteimapoctave	F gettype
F size	F gettypes
T skip	F injectboolean
F token	F injectcmykcolor
F solve	F injectcolor
F string	F injectinteger
F systemmode	F injectnumber
F transform	F injectnumeric
F triplet	F injectpair
F tripletpoints	F injectpath
F vprint	F injectstring
T mplib	F injecttransform
F downgradebyteimap	F injectvector
F downsamplebyteimap	F injectvectors
F execute	F injectwhatever
F expandtex	F new
F fillbyteimap	F newbyteimap
F finder	F peninfo
T finders	F processbyteimap
F file	T propertycodes
F mpstemplate	B realltimelogging
F finish	F scanboolean
F getbyteimap	F scancmykcolor
F getbyteimapdata	F scancolor
F getcallbackstate	F scanexpression
F getcodes	F scaninteger

F scannext	F unscript
F scannumber	F unstack
F scannumeric	F variants
F scanpair	F process
F scanpath	F processnested
F scanpen	T processors
F scanproperty	T dictionaries
F scanstring	T intervals
F scansymbol	T suspicious
F scantoken	T unscript
F scantransform	T unstack
F setbytemap	F processouter
F setbytemapoctave	T node
F settolerance	F checkdiscretionaries
F showcontext	F checkdiscretionary
F skiptoken	F copy
F solvepath	F copylist
F version	F count
T nanojpeg	F currentattributes
F decode	F dimensions
F next	T direct
T noads	F addmargins
F getmathmode	F addxoffset
T handlers	F addxymargins
F alternates	F addyoffset
F autofences	F appendaftertail
F classes	F appendcurrenttail
F collapse	F beginofmath
F dictionaries	F checkdiscretionaries
F export	F checkdiscretionary
F families	F collapsing
F fencing	F copy
F intervals	F copylist
F kernpairs	F copyonly
F makeup	F count
F normalize	F currentattributes
F numbers	F dimensions
F relocate	F effectiveglue
F render	F endofmath
F showtree	F exchange
F snap	F fields
F spacing	F findattribute
F suspicious	F findattributerange
F tags	F findnode

F firstchar	F getglue
F firstglyph	F getglyphdata
F firstglyphnode	F getglyphdimensions
F firstitalicglyph	F getheight
F flattendiscretionaries	F getid
F flattenleaders	F getidsubtype
F flushlist	F getidsubtypenext
F flushnode	F getindex
F free	F getinputfields
F freeze	F getkern
F getanchors	F getkerndimension
F getattribute	F getlanguage
F getattributelist	F getleader
F getattributes	F getleftdelimiter
F getboth	F getlist
F getbottom	F getlistdimensions
F getbottomdelimiter	F getmvl
F getbox	F getnext
F getcachestate	F getnodeerrorvalues
F getchar	F getnodes
F getchardict	F getnormalizedline
F getcharspec	F getnucleus
F getchoice	F getnumerator
F getclass	F getoffsets
F getcontrol	F getoptions
F getcornerkerns	F getorientation
F getcurrenttail	F getparstate
F getdata	F getpenalty
F getdegree	F getpost
F getdelimiter	F getpre
F getdenominator	F getprev
F getdepth	F getprime
F getdirection	F getpropertystable
F getdisc	F getproperty
F getdiscpart	F getreplace
F getexcept	F getrightdelimiter
F getexpansion	F getruledimensions
F getfam	F getscale
F getfield	F getscales
F getfielderror	F getscript
F getfirstdirectioninlist	F getscripts
F getfont	F getshift
F getfontcheck	F getslant
F getgeometry	F getspeciallist

F getstate	F isnextchar
F getsub	F isnextcharcheck
F getsubpre	F isnextglyph
F getsubtype	F isnode
F getsup	F isprev
F getsuppre	F isprevchar
F gettop	F isprevcharcheck
F gettopdelimiter	F isprevglyph
F gettotal	F issimilarglyph
F getusage	F isspeciallist
F getusedattributes	F isvalid
F getweight	F iszeroglue
F getwhd	F kerning
F getwidth	F lastnode
F getwordrange	F length
F getxscale	F ligaturing
F getxyscales	F makeextensible
F getyscale	F migrate
F gluetostring	F mlisttohtml
F hasattribute	F naturalhsize
F hasdimensions	F naturalwidth
F hasdiscoption	F new
F hasfield	F newcontinuationatom
F hasgeometry	F newfontcheck
F hasglyph	F newmathglyph
F hasglyphoption	F newtextglyph
F hasidssubtype	F patchattributes
F hasusage	F patchparshape
F hpack	F prependbeforehead
F hyphenating	F prependcurrenttail
F id	F protectglyph
F ignoremathskip	F protectglyphs
F insertafter	F protectglyphsbase
F insertbefore	F protectglyphsnone
F insertcurrenthead	F protrusionskipable
F isboth	F rangedimensions
F ischar	F remove
F ischarcheck	F removefromlist
F isdirect	F repack
F isfontcheck	F reverse
F isglyph	F samefontcheck
F isitalicglyph	F serialized
F isloop	F setanchors
F isnext	F setattribute

F setattributelist	F setoptions
F setattributes	F setorientation
F setattributesinlist	F setpenalty
F setboth	F setpost
F setbottom	F setpre
F setbottomdelimiter	F setprev
F setbox	F setprime
F setchar	F setproperty
F setchardict	F setreplace
F setchoice	F setrightdelimiter
F setclass	F setruledimensions
F setcontrol	F setscale
F setcurrenttail	F setscales
F setdata	F setscript
F setdegree	F setscripts
F setdelimiter	F setshift
F setdenominator	F setslant
F setdepth	F setspeciallist
F setdirection	F setsplit
F setdisc	F setstate
F setdiscpart	F setsub
F setexcept	F setsubpre
F setexpansion	F setsubtype
F setfam	F setsup
F setfield	F setsuppre
F setfielderror	F settop
F setfont	F settopdelimiter
F setfontcheck	F settotal
F setgeometry	F setweight
F setglue	F setwhd
F setglyphdata	F setwidth
F setheight	F show
F setindex	F size
F setinputfields	F slide
F setkern	F softenhyphens
F setlanguage	F startofpar
F setleader	F subtypes
F setleftdelimiter	F tail
F setlink	F todirect
F setlist	F tonode
F setnext	F tostring
F setnucleus	F tovaliddirect
F setnumerator	F traverse
F setoffsets	F traversechar

F traversecontent	F hasfield
F traverseglyph	F hasglyph
F traverseid	F hpack
F traverseitalic	F hyphenating
F traverseleader	F id
F traverselist	F insertafter
F traversepossible	F insertbefore
F type	F instock
F types	F intracking
F unprotectglyph	F inuse
F unprotectglyphs	F isnode
F unsetattribute	F iszeroglue
F unsetattributes	F kerning
F updatefirstandbotmark	F lastnode
F updatefirstmarks	F length
F updatemarks	F ligaturing
F updatetopmarks	F makeextensible
F usedlist	F mlisttohlist
F usesfont	F new
F vbalance	F protectglyph
F verticalbreak	F protectglyphs
F vpack	F protrusionskipable
F write	F rangedimensions
F xscaled	F remove
F yscaled	F serialized
F effectiveglue	F setattribute
F endofmath	F setfield
F family_font	F setfielderror
F fields	F setglue
F findattribute	F setproperty
F flattendiscretionaries	F show
F flushlist	F size
F flushnode	F slide
F free	F subtypes
F getattribute	F tail
F getcachestate	F todirect
F getfield	F tonode
F getfielderror	F toString
F getglue	F traverse
F getnodeerrorvalues	F traverseid
F getpropertystable	F type
F getproperty	F types
F gluetostring	F unprotectglyph
F hasattribute	F unprotectglyphs

F unsetattribute	D dircodes
F usedlist	D directioncodes
F usesfont	D directionvalues
F vpack	D dirvalues
F write	D disccodes
T nodes	D discretionarycodes
D accentcodes	D fencecodes
T adaptive	F fields
F handlehorizontal	T fieldtypes
F handlevertical	D fillcodes
T methods	D fillvalues
F set	F firstdirinbox
F aligned	F flush
F append	F flushlist
F apply	F flushnode
F applyvisuals	D fractioncodes
F astable	F fullhpack
F basepoints	F getattr
D boundarycodes	F getattribute
T boxes	F getboth
F count	F getbox
F dimensions	F getchar
F direct	F getfield
F dispose	F getfont
F found	F getid
F prune	F getleader
F reset	F getlist
F restore	F getnext
F save	F getprev
F savenode	F getproperty
T builders	F getsubtype
D choicecodes	D gluecodes
F concat	D glyphcodes
F copy	T handlers
F copy_node	F adjusters
F copylist	F aligncharacter
F countall	F backgrounds
F currentattributes	F backgroundspage
F delete	F backgroundsvbox
T destinations	F characters
N attribute	F checkglyphs
T done	F checkparcounter
F handler	F cleanupbox
T stack	F cleanuppage

F export	F insertafter
F finalizebox	F insertbefore
F finalizelist	F insertlistafter
F flatten	F installattributehandler
F flattenline	F is_display_math
T linebreakchecks	F isdirect
F mathalignrelocate	F isnode
F mathmatrixornaments	F isnut
F mathmatrixrules	D kerncodes
F migrate	F leftmarginwidth
F protectglyphs	T linefillers
F recolor	F filler
F show	F handler
F showhyphenation	F set
F showpreamble	T lines
F stripping	T boxed
F tabulateskip	F addlinenumbers
F textbackgrounds	F register
F unprotectglyphs	F setup
F visualizehyphenation	D data
F wipe	F finalize
F hasattribute	F number
F hasfield	F link
F hpack	F linked
F idsandsubtypes	F list
F idstostoring	D listcodes
T injections	F listtoutf
F copy	D literalvalues
F getligaindex	F locate
F getthreshold	D markcodes
F handler	T markers
F installgetspaceboth	F get
F installnewkern	F set
F isspace	D mathcodes
F keepcounts	D mathvalues
F reset	F maxboxwidth
F resetcounts	T migrations
F setcursive	F setinserts
F setkern	F setmarks
F setligaindex	F new
F setmark	D noadcodes
F setmove	D nodecodes
F setposition	F nopts
F setspacekerns	T nuts

F addmargins	F firstitalicglyph
F addxoffset	F flattendiscretionaries
F addxymargins	F flattenleaders
F addyoffset	F flush
F append	F flushlist
F appendaftertail	F flushnode
F apply	F free
F applyvisuals	F freeze
F beginofmath	F fullhpack
F checkdiscretionaries	F getanchors
F checkdiscretionary	F getattr
F checkslide	F getattribute
F collapsing	F getattributelist
T colors	F getattributes
F set	F getattrlist
T components	F getattrs
F copynocomponents	F getboth
F copyonlyglyphs	F getbottom
F count	F getbottomdelimiter
F flush	F getbox
F get	F getboxglue
F set	F getchar
F concat	F getchardict
F copy	F getcharspec
F copy_properties	F getchoice
F copylist	F getclass
F copynode	F getcomponents
F copyonly	F getcornerkerns
F copyvisual	F getdata
F count	F getdegree
F countall	F getdelimiter
F currentattributes	F getdenominator
F delete	F getdepth
F dimensions	F getdirection
F dirdimensions	F getdisc
F effectiveglue	F getdiscpart
F endofmath	F getdiscretionary
F exchange	F getexcept
F findattribute	F getexpansion
F findattributerange	F getfam
F findnode	F getfield
F firstchar	F getfirstdirectioninlist
F firstglyph	F getfont
F firstglyphnode	F getgeometry

F getglue	F getspeciallist
F getglyphdata	F getstate
F getglyphdimensions	F getsub
F getheight	F getsubpre
F getid	F getsubtype
F getidsubtype	F getsup
F getidsubtypenext	F getsuppre
F getindex	F getsurround
F getinputfields	F gettop
F getkern	F gettopdelimiter
F getkerndimension	F gettotal
F getlang	F getusedattributes
F getlanguage	F getvalue
F getleader	F getweight
F getleftdelimiter	F getwhd
F getlist	F getwidth
F getlistdimensions	F getwordrange
F getmiddle	F getxscale
F getmiddledelimiter	F getxyscales
F getmvl	F getyscale
F getnext	F gluetostring
F getnormalizedline	F hasattribute
F getnucleus	F hasdimensions
F getnumerator	F hasdiscoption
F getoffsets	F hasfield
F getoptions	F hasgeometry
F getorientation	F hasglyph
F getparstate	F hasglyphoption
F getpenalty	F hasidsubtype
F getpost	F hpack
F getpre	F hyphenating
F getprev	F ignoremathskip
F getprime	F insertafter
F getprop	F insertbefore
F getreplace	F insertlistafter
F getrightdelimiter	F is_display_math
F getruledata	F isboth
F getruledimensions	F ischar
F getscale	F isdirect
F getscales	F isdone
F getscrip	F isglyph
F getscripts	F isitalicglyph
F getshift	F isnext
F getslant	F isnextchar

F isnextglyph	F gluespec
F isnode	F glyph
F isnut	F hlist
F isprev	F imagerule
F isprevchar	F indentskip
F isprevglyph	F italiccorrection
F issimilarglyph	F italicern
F iszeroglue	F kern
F kerning	F latelua
F lastnode	F leader
F length	F lefthangskip
F ligaturing	F leftmarginkern
F link	F leftskip
F linked	F lineskip
F locate	F literal
F migrate	F luaboundary
F migratebox	F mathchar
F mlisttohlist	F mathtextchar
F naturalhsize	F negatedglue
F naturalwidth	F noad
F nestedtracedslide	F originliteral
F new	F outlinerule
F newcontinuationatom	F pageliteral
F newmathglyph	F penalty
F openup	F radical
F patchattributes	F rawliteral
F patchparshape	F register
T pool	F restore
F accent	F righthangskip
F baselineskip	F rightmarginkern
F boundary	F rightskip
F boxrule	F rule
F choice	F save
F cleanup	F savepos
F delim	F setmatrix
F delimiter	F setstate
F direction	F shrink
F directliteral	F spacefontkern
F disc	F spacingrule
F emptyrule	F startrotation
F fence	F startscaling
F fontkern	F stock
F fraction	F stoprotation
F glue	F stopscaling

F stretch	F setattributelist
F strurule	F setattributes
F subbox	F setattributesinlist
F submlist	F setattrlist
F temp	F setattrs
F usage	F setattrsinlist
F userdefined	F setboth
T userids	F setbottom
F usernode	F setbox
F userrule	F setboxglue
F virtualrule	F setchar
F vlist	F setchardict
F wordboundary	F setchoice
F prepend	F setclass
F prependbeforehead	F setcomponents
F processranges	F setdata
F processwords	F setdegree
F protectglyph	F setdelimiter
F protectglyphs	F setdenominator
F protectglyphsbase	F setdepth
F protectglyphsnone	F setdirection
F protrusionskipable	F setdisc
F rangedimensions	F setdiscpart
F rawprop	F setdiscretionary
F reference	F setexcept
F rehpack	F setexpansion
F remove	F setfam
F removefromlist	F setfield
F repack	F setfont
F repackhlist	F setgeometry
F replace	F setglue
F reverse	F setglyphdata
T rules	F setheight
T ruleactions	F setinputfields
F box	F setkern
F draw	F setlang
F fill	F setlanguage
F mp	F setleader
F stroke	F setleftdelimiter
F userrule	F setlink
F serialized	F setlist
F setanchors	F setmiddledelimiter
F setattr	F setnext
F setattribute	F setnucleus

F setnumerator	F striprange
F setoffsets	F tail
F setoptions	F takeattr
F setorientation	F takebox
F setparproperty	F takelist
F setpenalty	F theprop
F setpost	F tonode
F setpre	F tonodes
F setprev	F tonut
F setprime	F tosequence
F setprop	F toString
F setreplace	F tracedslide
F setrightdelimiter	F traverse
F setruledata	F traversechar
F setruledimensions	F traversecontent
F setscale	F traverseglyph
F setscales	F traverseid
F setscript	F traverseitalic
F setscripts	F traverseleader
F setshift	F traverselist
F setslant	F traversepossible
F setspecialist	T traversers
F setsplit	F alignrecord
F setstate	F boundary
F setsub	F char
F setsubpre	F content
F setsubtype	F dir
F setup	F disc
F setsuppre	F glue
F setsurround	F glyph
F settop	F hlist
F setvalue	F leader
F setvisual	F list
F setvisuals	F mark
F setweight	F next
F setwhd	F node
F setwidth	F penalty
F show	F possible
F slide	F rule
F softenhyphens	F unset
F somepenalty	F vlist
F somespace	F whatsit
F splitbox	T treversers
F startofpar	F char

F content	F hlist
F glyph	F latelua
F leader	F leader
F list	F lineskip
F node	F literal
F possible	F originliteral
T typesetters	F register
F tohbox	F restore
F tohpack	F save
F tonodes	F savepos
F tovbox	F setmatrix
F tovpack	F stock
F unprotectglyph	F usage
F unprotectglyphs	F usernode
F unsetattribute	F vlist
F unsetattributes	F prepend
F untracedslide	F print
F updatefirstandbotmark	T processors
F updatefirstmarks	F trace_glyph_run_a
F updatemarks	F trace_glyph_run_b
F updatetopmarks	T properties
F usedlist	T data
F usesfont	F pts
F verticalbreak	D radicalcodes
F vianodes	T references
F vianuts	N attribute
F vpack	T done
F write	F handler
F xscaled	T stack
F yscaled	F rehpack
F packlist	F remove
D parcodes	F repackhlist
D penaltycodes	F replace
T plugindata	F report
F finalizer	F rightmarginwidth
F initializer	D rulecodes
S name	T rules
F processor	F handler
F points	F process
T pool	F set
F baselineskip	F userrule
F cleanup	F serialize
F directliteral	F serializebox
F glyph	F serialized

F setattr	F appendaction
F setattrtribute	F disableaction
F setattrtrlist	F disablegroup
F setboth	F enableaction
F setbox	F enablegroup
F setboxtonaturalwd	F freeze
F setchar	F freezegroup
F setfield	F new
F setfont	F prependaction
F setleader	F removeaction
F setlink	F replaceaction
F setlist	F restart
F setnext	F setaction
F setprev	F showactions
F setproperty	F table
T shadows	F tobasepoints
F handler	F tocentimeters
F set	F tociceros
T shifts	F todidots
F handler	F todimen
F set	F toinches
F showboxes	F tomillimeters
F showlist	F tonode
F showsimplelist	F tonodes
D skipcodes	F tonut
T snapshots	F topicas
F getsamples	F topoints
F resetsamples	F toscaledpoints
F takesample	F tosequence
F somepenalty	F toString
F somespace	F totable
T specialskipcodes	F totree
F splitbox	F toutf
F startofpar	T tracers
F stripdiscretionaries	T colors
T stripping	F reset
T glyphs	F set
F set	F setlist
D subtypes	F directions
F tail	F fontchar
F takeattr	T frequencies
F takebox	F register
T tasks	T pool
F actions	T nodes

F rule	F attribute
T nuts	T attributes
F rule	F box
F resetproperties	F definelayer
F rule	F enable
F setlist	T filters
F setproperties	N continuation
F start	N hglue
T steppers	N hkern
F check	N hpenalty
F codes	N toddler
F features	N vglue
F font	N vkern
F glyphs	N vpenalty
F message	F getusedfont
F messages	F handler
F nofsteps	F markfonts
F register	T modes
F reset	N boundary
F start	N depth
F stop	N dir
F stop	N discretionary
T transparencies	N expansion
F reset	N fontkern
F set	N glue
F setlist	N glyph
F traverse	N hbox
F traverseid	N hglue
T typesetters	N hkern
F hbox	N hpenalty
F hpack	N insert
F tohbox	N italic
F tohpack	N kern
F tonodes	N line
F tovbox	N marginkern
F tovpack	N mark
F vpack	N math
F unsetattribute	N mathglue
F upcomingproperties	N mathkern
F usedlist	N origin
F vianodes	N par
F vianuts	N penalty
F visualizebox	N simple
T visualizers	N simplehbox

N simplevbox	F tobitstring
N simplevtop	F tocentimeters
N space	F tociceros
N strut	F tocontext
N toddler	F todidots
N user	F todimen
N vbox	F toediths
N vglue	F toevenhex
N vkern	F toinches
N vpenalty	F tomillimeters
N vtop	F tonumberf
N whatsit	F tonumberg
F register	F topicas
F registercache	F topoints
F setfont	F toscaled
F setlayer	F toscaledpoints
F setruledglyph	F totoves
F setvisual	F valid
F vpack	T objects
D whatsitcodes	T data
F write	F dimensions
T number	F found
F %	N n
F basepoints	F page
F bytetodecimal	F reference
F compactfloat	F register
F decimaltobyte	F restore
D dimenfactors	T optional
F formatted	T curl
F formattedfloat	F escape
F fractiontobyte	F fetch
F idiv	F getversion
N maxdimen	F initialize
F nopts	F unescape
F nubasepoints	T foreign
F nupoints	F abivalues
F percent	F getbuffer
F points	F initialize
F pts	F load
F signed	F newbuffer
F sparseexponent	F totable
F splitdimen	F types
F to16dot16	T ghostscript
F tobasepoints	F execute

F initialize	F execute
T graphicsmagick	F initialize
F execute	F reset
F getnoisetypes	F setclosefile
F initialize	F setconsole
T hb	F setfindfile
F getshapers	F setopenfile
F getversion	F setreadfile
F initialize	F setseekfile
F loadfont	T mysql
F shapestring	F close
T imagemagick	F execute
F execute	F getmessage
F initialize	F initialize
T kpse	F open
F expand_braces	T openssl
F expand_path	F getversion
F expand_var	F initialize
F find_file	F sign
F find_files	F verify
F get_file_types	T postgres
F initialize	F close
F readable_file	F execute
F set_program_name	F getmessage
F var_value	F initialize
T library	F open
F load	T sqlite
T loaded	F close
T lz4	F execute
F compress	F getmessage
F decompresssize	F initialize
F framecompress	F open
F framedecompress	T zint
F initialize	F execute
T lzma	F initialize
F compress	T zstd
F decompress	F compress
F initialize	F decompress
T lzo	F initialize
F compress	F optionalrequire
F decompresssize	T os
F initialize	F __getenv__
T mujs	F __setenv__
F dofile	S binsuffix

T binsuffixes	F time
N bits	F timezone
F clock	F tmpname
F converttime	F today
F date	S type
F difftime	F uname
F enableansi	F uuid
D env	F validdatetime
F execute	F weekday
F exit	F where
F fulltime	F which
F getcodepage	T package
F getenv	S config
F getnamevalues	S cpath
F gettimeofday	F extralibpath
F gettypevalues	F extralibpaths
F getunamelfields	F extralualpath
F isleapyear	F extralualpaths
F launch	T helpers
S libsufffix	T builtin
F localtime	F path specification
S name	F preload table
S newline	F cleanpath
F nofdays	F loaded
F now	F loadedaslib
F pipeto	F loadedbyformat
S platform	F loadedbyname
F remove	F loadedbypath
F rename	F lualibfile
F resultof	T methods
F runtime	F all in one fallback
T selfarg	F already loaded
S selfbin	F cpath specification
S selfcore	F lib extra list
S selfdir	F lib variable format
S selflink	F lua extra list
S selfname	F lua variable format
S selfpath	F not loaded
F serialwrite	F path specification
F setenv	F preload table
F setexitcode	F qualified path
F setlocale	F reset loaded
F sleep	F registerpath
F startuptime	F report

T sequence	T curl
F showed	F escape
B trace	F fetch
B traceused	F getversion
F unload	S libfile
F libpaths	S libpath
T loaded	F unescape
B anch-loc	B driv-shp
B anch-pgr	B file-mod
B anch-snc	B file-syn
B back-exp	B font-afk
B back-exp-imp-fnt	B font-agl
B back-exp-imp-mth	B font-aux
B back-exp-imp-ref	B font-cff
B back-exp-imp-tag	B font-chk
B back-imp-lua	B font-cid
B back-imp-mps	B font-col
B back-imp-pdf	B font-con
B back-imp-pdp	B font-ctx
B back-inc	B font-def
B blob-ini	B font-dsp
B buff-imp-default	B font-enc
B buff-imp-escaped	B font-enh
B buff-imp-lua	B font-fbk
B buff-imp-mp	B font-fmp
B buff-imp-nested	B font-hsh
B buff-imp-parsed-xml	B font-imp-checks
B buff-imp-tex	B font-imp-combining
B buff-imp-xml	B font-imp-compound
B buff-ini	B font-imp-digits
B buff-par	B font-imp-dimensions
B buff-ver	B font-imp-effects
B char-enc	B font-imp-italics
B chem-ini	B font-imp-ligatures
B chem-str	B font-imp-math
B cldf-com	B font-imp-notused
B cldf-ver	B font-imp-properties
B colo-icc	B font-imp-quality
B colo-ini	B font-imp-reorder
B cont-run	B font-imp-scripts
B core-con	B font-imp-spacekerns
B core-ctx	B font-imp-tex
B core-dat	B font-imp-text
B core-sys	B font-imp-tracing

B font-imp-tweaks	B grph-bmp
B font-imp-unicode	B grph-con
B font-ini	B grph-epd
B font-lig	B grph-fil
B font-log	B grph-img
B font-lua	B grph-inc
B font-map	B grph-pat
B font-mpf	B grph-raw
B font-mps	B grph-rul
B font-nod	B grph-trf
B font-ogr	B grph-u3d
B font-one	B java-ini
B font-onr	T json
B font-osd	F load
B font-ota	F tojson
B font-otc	F tolua
B font-otd	F tostring
B font-oth	B lang-cnt
B font-oti	B lang-def
B font-otj	B lang-dis
B font-otl	B lang-hup
B font-oto	B lang-hyp
B font-otr	B lang-ini
B font-ots	B lang-lab
B font-ott	B lang-rep
B font-oup	B lang-tra
B font-pat	B lang-txt
B font-prv	B lang-url
B font-san	B lang-wrd
B font-sel	B libs-imp-curl
B font-shp	B libs-imp-ghostscript
B font-sol	B libs-imp-graphicsmagick
B font-syn	B libs-ini
B font-tfm	B lpdf-ano
B font-tpk	B lpdf-col
B font-trt	B lpdf-epa
B font-ttf	B lpdf-epd
B font-txt	B lpdf-fix
B font-vfc	B lpdf-fix-imp-contents
B font-vir	B lpdf-fix-imp-fonts
B good-ctx	B lpdf-fld
B good-gen	B lpdf-fmt
B good-ini	B lpdf-grp
B good-mth	B lpdf-img

B lpdf-ini	B math-dim
B lpdf-lmt	B math-ext
B lpdf-mis	B math-fbk
B lpdf-ren	B math-fnt
B lpdf-rul	B math-frc
B lpdf-sig	B math-ini
B lpdf-tag	B math-map
B lpdf-u3d	B math-mps
B lpdf-wid	B math-noa
B lpdf-xmp	B math-pre
T ltn12	B math-rad
N BLOCKSIZE	B math-ren
T filter	B math-spa
F chain	B math-tag
F cycle	B math-ttv
T pump	B math-txt
F all	B math-vfu
F step	B meta-blb
F report	B meta-fnt
T sink	B meta-fun
F chain	B meta-imp-txt
F error	B meta-ini
F file	B meta-lua
F null	B meta-nod
F simplify	B meta-pdf
F table	B meta-tex
T source	B mlib-cnt
F cat	B mlib-ctx
F chain	B mlib-fio
F empty	B mlib-int
F error	B mlib-lmp
F file	B mlib-lmt
F rewind	B mlib-lua
F simplify	B mlib-mat
F string	B mlib-mpf
B lxml-css	B mlib-msh
B lxml-dir	B mlib-pdf
B lxml-ent	B mlib-pos
B lxml-ini	B mlib-pps
B lxml-mms	B mlib-ptr
B lxml-sor	B mlib-ran
B lxml-tex	B mlib-run
B math-act	B mlib-scn
B math-ali	B mlib-snc

B mlib-svg	F getmemoryusage
B node-ali	F getname
B node-bck	F getnofobjects
B node-fnt	F getnofpages
B node-par	F getnumber
B node-ref	F getobjectrange
B node-rul	F getpage
B node-tra	F getpages
B node-typ	F getpermissions
B pack-obj	F getsize
B pack-ori	F getstatus
B pack-rul	F getstatusvalues
B page-blk	F getstream
B page-cst	F getstring
B page-flt	F gettrailer
B page-ini	F getversion
B page-inj	F new
B page-ins	F open
B page-lin	F openfile
B page-mix	F openstream
B page-otr	F pagestotable
B page-pst	F readfromstream
B page-sel	F readwholestream
B page-str	F type
T pdfdecode	F unencrypt
T pdfe	B phys-dim
F arraytotable	T pngdecode
F close	F applyfilter
F closestream	F expand
F dictionarytotable	F interlace
F getarray	F makemask
F getboolean	F reduce
F getbox	F splitmask
F getcatalog	F tocmyk
F getdictionary	F tomask
F getencodingvalues	T posit
F getfieldtypes	F NaN
F getfromarray	F NaR
F getfromdictionary	F __add
F getfromobject	F __band
F getfromreference	F __bor
F getfromstream	F __bxor
F getinfo	F __div
F getinteger	F __eq

F __le	F sqrt
F __lt	F tan
F __mul	F tobyte
S __name	F tochar
F __pow	F tonumber
F __shl	F toposit
F __shr	F tostring
F __sub	T potrace
F __tostring	F checked
F __unm	F concat
F abs	F contourplot
F acos	F convert
F asin	F count
F atan	F flush
F band	F free
F bor	F fromfile
F bxor	F getbitmap
F ceil	F getnewfields
F conj	F getpolicyvalues
F copy	F getprocessfields
F cos	F new
F exp	F process
F exp2	F setbitmap
F expand	F stripped
F floor	F totable
F frombyte	F trace
F fromchar	B publ-aut
F fromposit	B publ-dat
F integer	B publ-fnd
F log	B publ-inc
F log10	B publ-ini
F log1p	B publ-jrn
F log2	B publ-oth
F logb	B publ-reg
F max	B publ-sor
F min	B publ-tra
F modf	B publ-usr
F new	T qrcodegen
F pow	F bitmap
F rotate	F generate
F round	B regi-ini
F rounded	B scrn-but
F shift	B scrn-fld
F sin	B scrn-hlp

B scrn-ini	F readcardinal2le
B scrn-pag	F readcardinal3
B scrn-ref	F readcardinal3le
B scrn-wid	F readcardinal4
B scrp-cjk	F readcardinal4le
B scrp-eth	F readcardinaltable
B scrp-ini	F readcline
B scrp-tha	F readcstring
B scrp-tib	F readfixed2
T serial	F readfixed4
F __gc	F readinteger1
S __name	F readinteger1le
F __tostring	F readinteger2
F close	F readinteger2le
F open	F readinteger3
F send	F readinteger3le
F tostring	F readinteger4
F write	F readinteger4le
T sha2	F readintegertable
F HASH256	F tocardinal1
F HASH384	F tocardinal1le
F HASH512	F tocardinal2
F HEX256	F tocardinal2le
F HEX384	F tocardinal3
F HEX512	F tocardinal3le
F digest256	F tocardinal4
F digest384	F tocardinal4le
F digest512	T socket
F hash256	N BLOCKSIZE
F hash384	N _SETSIZE
F hash512	N _SOCKETINVALID
F hex256	F bind
F hex384	F choose
F hex512	F connect
F sum256	F connect4
F sum384	F connect6
F sum512	T dns
T sio	F getaddrinfo
F read2dot14	F gethostname
F readbytes	F getnameinfo
F readbytetable	F tohostname
F readcardinal1	F toip
F readcardinal1le	F gettime
F readcardinal2	T headers

T canonic	S in-reply-to
S accept	S keywords
S accept-charset	S last-attempt-date
S accept-encoding	S last-modified
S accept-language	S location
S accept-ranges	S max-forwards
S action	S message-id
S age	S mime-version
S allow	S original-envelope-id
S alternate-recipient	S original-recipient
S arrival-date	S pragma
S authorization	S proxy-authenticate
S bcc	S proxy-authorization
S cache-control	S range
S cc	S received
S comments	S received-from-mta
S connection	S references
S content-description	S referer
S content-disposition	S remote-mta
S content-encoding	S reply-to
S content-id	S reporting-mta
S content-language	S resent-bcc
S content-length	S resent-cc
S content-location	S resent-date
S content-md5	S resent-from
S content-range	S resent-message-id
S content-transfer-encoding	S resent-reply-to
S content-type	S resent-sender
S cookie	S resent-to
S date	S retry-after
S diagnostic-code	S return-path
S dsn-gateway	S sender
S etag	S server
S expect	S smtp-remote-recipient
S expires	S status
S final-log-id	S subject
S final-recipient	S te
S from	S to
S host	S trailer
S if-match	S transfer-encoding
S if-modified-since	S upgrade
S if-none-match	S user-agent
S if-range	S vary
S if-unmodified-since	S via

S warning	F unescape
S will-retry-until	B sort-ini
S www-authenticate	B sort-lan
S x-mailer	B spac-ali
F lower	B spac-brk
F normalize	B spac-chr
T http	B spac-hor
N TIMEOUT	B spac-ovl
S USERAGENT	B spac-par
F genericform	B spac-pas
F open	B spac-prf
F request	B spac-twi
F newtry	B spac-ver
F protect	T sparse
F report	F concat
F select	F get
F sink	F max
T sinkt	F min
F close-when-done	F new
F default	F range
F http-chunked	F restore
F keep-open	F set
F skip	F traverse
F sleep	F wipe
F source	T status
T sourcet	F getbalancestate
F by-length	F getbufferstate
F default	F getcallbackstate
F http-chunked	F getconstants
F until-closed	F geterrorlinestate
F tcp	F geterrorstate
F tcp4	F getexpandstate
F tcp6	F getfilestate
T tp	F getfontstate
N TIMEOUT	F gethalferrorlinestate
F connect	F gethashstate
F try	F gethyphenationstate
T url	F getinputstate
F absolute	F getinsertstate
F build	F getlanguagestate
F build_path	F getlinebreakstate
F escape	F getlookupstate
F parse	F getluastate
F parse_path	F getmarkstate

F getmvlststate	F characterpairs
F getneststate	F characters
F getnodestate	F checkedsplit
F getparameterstate	F chrtointeger
F getpoolstate	F collapsespaces
F getreadstate	F containsws
F getsavestate	F count
F getsparsestate	F dectointeger
F getstringstate	F dump
F gettexstate	F escapedpattern
F gettokenstate	F escapedquotes
F getwarningstate	F f6
T iocodes	F find
F list	F format
F resetmessages	F formatter
B strc-bkm	D formatters
B strc-blk	F fullstrip
B strc-con	F gmatch
B strc-doc	F gsub
B strc-flt	T hashes
B strc-ini	T X00
B strc-itm	T spaces
B strc-lev	F hextocharacters
B strc-lst	F hextointeger
B strc-mar	F is_boolean
B strc-mat	F is_empty
B strc-not	F itself
B strc-num	F len
B strc-pag	F limit
B strc-ref	F linetable
B strc-reg	F longtostring
B strc-rsc	F lower
B strc-syn	F match
B strc-tag	F nospaces
B strc-usr	F octtointeger
T string	F optionalquoted
F autodouble	F pack
F autosingle	F packrowscolumns
F booleanstring	F packsize
F byte	F quote
F bytepairs	F quoted
F bytes	F rep
F bytetable	F replacenewlines
F char	F reverse

F split	B syst-cmp
F splitlines	B tabl-ali
F splitup	B tabl-ntb
F strip	B tabl-tbl
F sub	B tabl-xtb
F texhashed	T table
F texnewlines	F append
F tformat	F are_equal
F toHEX	F combine
F toboolean	F compact
F tobytes	F concat
F tocontext	F contains
F todec	F copy
F todimen	F count
F tohex	F create
F tonodes	F derive
F topattern	F deserialize
F totable	F fastcopy
F tounicode16	F fastserialize
F toutf	F filtered
F toutf16	F flattened
F toutf32	F fromhash
F toutf8	F getn
F tracedchar	F has_one_entry
F unescapedquotes	F hashed
F unpack	F identical
F unquote	F imerge
F unquoted	F imerged
F upper	F insert
F utf16toutf8	F is_empty
F utfcharacter	F is_simple_table
F utfcharacters	F keys
F utfcharacterstable	F load
F utflength	F loweredkeys
F utfpadd	F makewweak
F utfpadding	F merge
F utftabletostring	F merged
F utfvalue	F mirrored
F utfvalues	F move
F utfvaluetable	F pack
F valid	F prepend
F wordsplitter	F print
B symb-emj	F remove
B symb-ini	F reverse

F reversed	D boxoptioncodes
F save	T boxresources
F sequenced	F getbox
F serialize	F getdimensions
F setmetatablecall	F save
F setmetatableindex	F use
F setmetatableindices	D breakcodes
F setmetatablenewindex	D buildcodes
F sort	T catcode
F sorted	T cccode
F sortedhash	D charactercontrolcodes
F sortedhashkeys	D charactertagcodes
F sortedhashonly	F chardef
F sortedindexonly	D classoptioncodes
F sortedkeys	T codes
F sortedpairs	D conditionals
F sparse	D constants
F strip	T count
F sub	F cprint
F swapped	N ctdcatcodes
F tocontext	N ctxcatcodes
F tocsv	F definefont
F tofile	T delcode
F tohandle	T dimen
F tohash	F dimensiondef
F toxml	D directioncodes
F unique	D directives
F unpack	D discoptioncodes
B task-ini	D discpartcodes
T tex	F dontcomplain
T amcode	D doublescriptoptioncodes
T attribute	F enableprimitives
F attributetracking	F error
D automigrationcodes	F expandasvalue
D autoparagraphcodes	D experiments
F badness	F extraprimitives
D badnessmodecodes	F fatalerror
F balance	D fillcodes
D balancecallbackcodes	D flagcodes
T boundaries	F fontidentifier
D names	F fontname
D numbers	F forcehmode
F system	F forceinputstatefile
T box	F forceinputstateline

F fprintf	F getfrozenparvalues
D frozenparcodes	F getglue
F get	F getglueoptionvalues
F getadjustoptionvalues	F getglyphdata
F getalignmentcontextvalues	F getglyphdiscvalues
F getamcode	F getglyphotoptionvalues
F getappendadjustcontextvalues	F getglyphprotectionvalues
F getappendmigratecontextvalues	F getglyphscales
F getattribute	F getglyphscript
F getautomigrationvalues	F getglyphstate
F getautoparagraphvalues	F getgroupvalues
F getbadnessmodevalues	F gethccode
F getbalancecallbackvalues	F gethelpext
F getbalanceparameterfields	F gethmcodes
F getbalanceresultfields	F gethyphenationvalues
F getbalancestepoptionvalues	F getiftypes
F getbox	F getinputstatefile
F getboxdir	F getinputstateline
F getboxoptionvalues	F getinputstatemode
F getboxresourcebox	F getinsertcontent
F getboxresourcedimensions	F getinsertdepth
F getbreakcontextvalues	F getinsertdistance
F getbuildcontextvalues	F getinsertheight
F getcardinalvalue	F getinsertlimit
F getcatcode	F getinsertmultiplier
F getcccode	F getinsertwidth
F getcharactercontrolvalues	F getintegervalue
F getcharacteretagvalues	F getinteraction
F getcount	F getinteractionmodes
F getcurrentmvl	F getiovalues
F getdelcode	F getkerneloptionvalues
F getdelcodes	F getkernoptionvalues
F getdimen	F getlargestusedmark
F getdimensionvalue	F getlccode
F getdirectionvalues	F getlinebreakparameterfields
F getdiscoptionvalues	F getlinebreakresultfields
F getdiscpartvalues	F getlinebreakstatevalues
F getdoublescriptoptionvalues	F getlinedir
F getemptyparagraphmodevalues	F getlist
F geterrorvalues	F getlistanchorvalues
F getfillvalues	F getlistfields
F getflagvalues	F getlistgeometryvalues
F getfloat	F getlistsignvalues
F getfontoffamily	F getlocalbox

F getlocalboxlocations	F getparstate
F getlocallevel	F getparstatefields
F getmark	F getpartriggervalue
F getmarknames	F getpenaltyoptionvalues
F getmath	F getpositvalue
F getmathclassoptionvalues	F getprepoststatevalues
F getmathcode	F getprimitivelegacies
F getmathcodes	F getprimitiveorigins
F getmathcontrolvalues	F getprotrusionboundaryvalues
F getmathdir	F getregisterindex
F getmathgluevalues	F getruleoptionvalues
F getmathoptionvalues	F getrunstate
F getmathparametervalues	F getrunstatevalues
F getmathscriptordvalues	F getsfcode
F getmathscriptsmodevalues	F getshapingpenaltiesvalues
F getmathstylenamevalues	F getskip
F getmathstylevalues	F getsnappingvalues
F getmathstylevariant	F getspecialmathclassvalues
F getmathsurroundvalues	F getspecification
F getmathvariantpresets	F getspecificationoptionvalues
F getmathvariantvalues	F gettextcontrolvalues
F getmeasure	F gettextdir
F getmissingcharactervalues	F gettoks
F getmode	F getuccode
F getmodevalues	F getuleaderlocationvalues
F getmuglue	F getunitclassvalues
F getmuskip	F getusedmarks
F getmvloptionvalues	F getvsplitcontextvalues
F getnest	T glue
F getnestfields	D glueoptioncodes
F getnestlevel	D glyphdiscodes
F getnoadooptionvalues	D glyphoptioncodes
F getnormalizelinevalues	D groupcodes
F getnormalizeparvalues	F hashtokens
F getoutputactive	T hccode
F getpacktypevalues	T hmcode
F getpagecontextvalues	N hshcatcodes
F getpagestate	D hyphenationcodes
F getpagestatevalues	D ifs
F getparametermodevalues	N inicatcodes
F getparcontextvalues	F integerdef
F getpardataspecifications	D interactioncodes
F getpardir	F isattribute
F getparmodevalues	F isbox

F iscount	N mathbeginclass
F isdefined	N mathdefaultpenalty
F isdimen	N mathendclass
F isfloat	N mathfirstuserclass
F isglue	N mathlastuserclass
F ismuglue	N maxattributeregisterindex
F ismuskip	N maxboxregisterindex
F isprintable	N maxbytecodeindex
F isskip	N maxcalculatedbadness
F istoks	N maxcardinal
F lastnodetype	N maxcharactercode
T lccode	N maxdatavalue
F linebreak	N maxdimen
D linebreakstatecodes	N maxdimenregisterindex
D listanchorcodes	N maxdimension
D listgeometrycodes	N maxdimensionregisterindex
T lists	N maxendlinecharacter
D listsigncodes	N maxfloatregisterindex
N luacatcodes	N maxfontadjustshrinkfactor
T magicconstants	N maxfontadjuststep
S activecharacternamespace	N maxfontadjuststretchfactor
N allfitnessvalues	N maxfunctionreference
N assumedmathcontrol	N maxglueregisterindex
N awfulbad	N maxhalfvalue
N decentcriterion	N maxhalfword
N defaultcatcodetable	N maxinteger
N defaultcharactercontrol	N maxintegerregisterindex
N defaultdeadcycles	N maxintregisterindex
N defaulteqnogapstep	N maxlimitedscale
N defaultthangafter	N maxmarkindex
N defaultoutputbox	N maxmathclasscode
N defaultpredisplaygap	N maxmathfamilyindex
N defaultrule	N maxmathscalingfactor
N defaultspacefactor	N maxmathstylescale
N defaulttolerance	N maxmuglueregisterindex
N deplorable	N maxmvindex
N ejectpenalty	N maxnewlinecharacter
N ignoreddepth	N maxnofbytecodes
N infinitebad	N maxnofcatcodetables
N infinitepenalty	N maxnoffitnessvalues
N infinity	N maxnoffonts
N largewidthexcess	N maxnoflanguages
N loosecriterion	N maxnofmarks
N mathallclass	N maxnofmathfamilies

N maxquarterword	D mathscriptordercodes
N maxscalefactor	D mathscriptsmodecodes
N maxsizeofword	T modelevels
N maxspacefactor	N horizontal
N maxtoksregisterindex	N math
N maxtwinlength	N unset
N mincardinal	N vertical
N mindatavalue	D modes
N mindimen	F mprint
N mindimension	T muglue
N minhalfword	T muskip
N mininfinity	D mvloptioncodes
N mininteger	T nest
N minmvlindex	N nilcatcodes
N minnofitnessvalues	D noadoptioncodes
N minquarterword	D normalizelinecodes
N minscalefactor	D normalizeparcodes
N minspacefactor	N notcatcodes
N nocatcodetable	F number
N null	F overloadpermitted
N nullflag	D parcontextcodes
N nullfont	D partriggercodes
N onebp	D penaltyoptioncodes
N presetrulethickness	F poplocal
N runningrule	F popsavelevel
N smallstretchability	T posit
N specialspacefactor	F positdef
N texeqtbsize	F preparelinebreak
N texhashprime	F primitives
N texhashsize	F print
N two	D protrusionboundarycodes
N undefinedmathparameter	N prtcacodes
N unity	F pushlocal
N unusedattributevalue	F pushsavelevel
N unusedmathfamily	F quitlocal
N unusedmathstyle	F quittoks
N unusedscriptvalue	F resetparagraph
N unusedstatevalue	N rlnccatcodes
N zeroglue	F romannumeral
F mathchardef	F round
T mathcode	D ruleoptioncodes
D mathcontrolcodes	F runlocal
D mathoptioncodes	D runstatecodes
D mathparametercodes	F runstring

F runtoks	F setpaddir
F saveboxresource	F setpositivalue
F scale	F setrunstate
F scantoks	F setsfcode
F set	F setskip
F setamcode	F settextdir
F setattribute	F settoks
F setbalanceshape	F setuccode
F setbox	T sfcode
F setboxdir	D shapingpenaltiescodes
F setcardinalvalue	F shiftparshape
F setcatcode	F shipout
F setcccode	F showcontext
F setconditional	T skip
F setcount	D snappingcodes
F setdelcode	F snapshotpar
F setdimen	F sp
F setdimensionvalue	D specialmathclasscodes
F setfloat	D specificationoptioncodes
F setglue	F splitbox
F setglyphdata	D splitcodes
F setglyphscript	F sprint
F setglyphstate	F stringtocodesbitmap
F sethccode	D systemmodes
F sethmcode	F takebox
F setinputstatefile	N texcatcodes
F setinputstateline	D textcontrolcodes
F setinputstatemode	T toks
F setinsertcontent	F tonumber
F setinsertdistance	F toscaled
F setinsertlimit	N tpacatcodes
F setinsertmultiplier	N tpbcacatcodes
F setintegervalue	F tprint
F setinteraction	F trackedattribute
F setlccode	D trackers
F setlinedir	F triggerbuildpage
F setlist	N txtcatcodes
F setlocalbox	T uccode
F setmath	F uprint
F setmathcode	F useboxresource
F setmathdir	D userdiscoptioncodes
F setmuglue	D userglyphoptioncodes
F setmuskip	N vrbcatcodes
F setnest	F write

T texio	F get_range
F closeinput	F get_tok
F forceendoffile	F get_tolerant
F getinputindex	F getactive
F getselectorvalues	F getcmdchrscs
F getsourcefilename	F getcmdname
F setlogfile	F getcommand
F terminal	F getcommandvalues
F write	F getconstant
F write_nl	F getcsname
F writenl	F getcstoken
F writeselector	F getdimension
F writeselectorlf	F getexpandable
F writeselectornl	F getexpansion
T token	F getfields
F create	F getflags
F expand	F getfrozen
F expand_macro	F getfunctionvalues
F expandmacro	F getid
F future_expand	F getimmutable
F futureexpand	F getindex
F get_active	F getinstance
F get_cmdchrscs	F getinteger
F get_cmdname	F getlength
F get_command	F getmacro
F get_csname	F getmeaning
F get_cstoken	F getnoaligned
F get_dimension	F getparameters
F get_expandable	F getpermanent
F get_fields	F getprimitive
F get_flags	F getprimitives
F get_frozen	F getprotected
F get_id	F getrange
F get_immutable	F gettok
F get_index	F gettolerant
F get_instance	F gobble
F get_integer	F gobble_dimension
F get_macro	F gobble_integer
F get_meaning	F gobbledimension
F get_noaligned	F gobbleinteger
F get_parameters	F grab
F get_permanent	F grabstring
F get_primitive	F inhibit
F get_protected	F is_defined

F is_next_char	F scan_next
F is_token	F scan_next_char
F isactivestring	F scan_next_expanded
F isdefined	F scan_real
F isnextchar	F scan_scale
F istoken	F scan_skip
F locatemacro	F scan_string
F new	F scan_token
F peek_next	F scan_token_code
F peek_next_char	F scan_tokenlist
F peek_next_expanded	F scan_toks
F peeknext	F scan_value
F peeknextchar	F scan_word
F peeknextexpanded	F scanargument
F pop_macro	F scanbox
F popmacro	F scancardinal
F push_macro	F scanchar
F pushmacro	F scancmdchr
F put_back	F scancmdchrexpanded
F put_next	F scancode
F putback	F scancsname
F putnext	F scancstoken
F save_lua	F scandelimited
F savelua	F scandetokened
F scan_argument	F scandimen
F scan_box	F scandimenargument
F scan_cardinal	F scandimension
F scan_char	F scandimensionargument
F scan_cmdchr	F scanfloat
F scan_cmdchr_expanded	F scanglue
F scan_code	F scanint
F scan_csname	F scaninteger
F scan_delimited	F scanintegerargument
F scan_dimen	F scankey
F scan_float	F scankeyword
F scan_glue	F scankeywordcs
F scan_integer	F scanletters
F scan_key	F scanluacardinal
F scan_keyword	F scanluainteger
F scan_keyword_cs	F scanluanumber
F scan_letters	F scannext
F scan_luacardinal	F scannextchar
F scan_luainteger	F scannextexpanded
F scan_luanumber	F scanposit

F scanreal	B typo-dig
F scanscale	B typo-dir
F scanskip	B typo-drp
F scanstring	B typo-duc
F scantoken	B typo-fkr
F scantokencode	B typo-fln
F scantokenlist	B typo-hid
F scantokenstring	B typo-inj
F scantoks	B typo-itc
F scanvalue	B typo-krn
F scanword	B typo-lan
F serialize	B typo-lbx
F set_dimension	B typo-man
F set_integer	B typo-mar
F set_lua	B typo-ovl
F set_macro	B typo-pag
F setdimension	B typo-par
F setinteger	B typo-pnc
F setlua	B typo-prc
F setmacro	B typo-rep
F setmacrofrommark	B typo-rub
F setmacrotonothing	B typo-spa
F skip_next	B typo-stc
F skip_next_expanded	B typo-sus
F skipnext	B typo-syn
F skipnextexpanded	B typo-tal
F type	B typo-wrp
F undefine_macro	B unic-ini
F undefinemacro	T utf8
B trac-bld	F char
B trac-jus	S charpattern
B trac-par	F codepoint
B trac-riv	F codes
B trac-sig	F len
B trac-vis	F offset
B type-ini	T vector
B typo-adj	F add
B typo-bld	F append
B typo-brk	F average
B typo-cap	F ceiling
B typo-chr	F checkoverlap
B typo-cln	F collectoverlap
B typo-dha	F concat
B typo-dif	T contour

F average	F getdimensions
F bounds	F ismesh
F checkoverlap	F new
F collectoverlap	F set
F getarea	F tostring
F getmesh	F totable
F makemesh	F type
F overlapping	F meshname
F show	F mul
F sort	F negate
F copy	F new
F crossproduct	F normalize
F delete	F onecolumn
F determinant	F onerow
F div	F product
F equal	F remove
F exchange	F replace
F floor	F round
F get	F rowechelon
F getdimensions	F set
F getepsilon	F setepsilon
F getmesh	F setnext
F getrc	F setrc
F getrow	F setstacking
F getstacking	F slice
F gettype	F sort
T helpers	F sub
F points	F swap
F transform	F tostring
F xrotation	F totable
F xyzscale	F transpose
F yrotation	F triangulate
F zrotation	F truncate
F homogenize	F type
F identity	T xcomplex
F inner	F I
F insert	F __add
F inverse	F __div
F ismesh	F __eq
F issingular	F __mul
F isvector	S __name
F iszero	F __pow
T mesh	F __sub
F get	F __tostring

F __unm	F __lt
F abs	F __mod
F acos	F __mul
F acosh	S __name
F arg	F __pow
F asin	F __shl
F asinh	F __shr
F atan	F __sub
F atanh	F __tostring
F conj	F __unm
F cos	F abs
F cosh	F band
F dawson	F bor
F erf	F bxor
F erfc	F conj
F erfcx	F copy
F erfi	F exp
F exp	F getprecision
F i	F ln
F imag	F log
F log	F max
F new	F min
F pow	F minus
F proj	F new
F real	F plus
F sin	F pow
F sinh	F rotate
F sqrt	F setprecision
F tan	F shift
F tanh	F sqrt
F topair	F toengstring
F tostring	F tonumber
F totable	F tostring
F voigt	F trim
F voigt_hwhm	T xmath
T xdecimal	F acos
F __add	F acosh
F __band	F asin
F __bor	F asinh
F __bxor	F atan
F __div	F atan2
F __eq	F atanh
F __idiv	F cbrt
F __le	F ceil

F copysign	F scalbn
F cos	F sin
F cosh	F sinh
F deg	F sqrt
F erf	F tan
F erfc	F tanh
F exp	F tgamma
F exp2	F trunc
F expm1	F y0
F fabs	F y1
F fdim	F yn
F floor	T xzip
F fma	F adler32
F fmax	F compress
F fmin	F compresssize
F fmod	F crc32
F frexp	F decompress
F gamma	F decompresssize
F hypot	T loaders
N inf	F loadlib
F isfinite	F luapaths
F isinf	S path
F isnan	F poplibpath
F isnormal	F popluapath
F j0	T preload
F j1	F pushlibpath
F jn	F pushluapath
F ldexp	F searchpath
F lgamma	T pagebuilders
F log	T columnsets
F log10	F add
F log1p	F addmvl
F log2	F block
F logb	F blockrows
F modf	F check
N nan	F clean
F nearbyint	T data
F nextafter	F define
N pi	F definesub
F pow	F delayedsheet
F rad	F finishflush
F remainder	F flushareas
F remquo	F flushcolumn
F round	F goto

F gotoslot	F immediateobj
F limit	T physics
F noto	T units
F prepareflush	F registersshortcut
F presetsheets	F registerunit
F presetspreadsheets	D tables
F put	F print
F putdirect	T publications
F registerarea	F addtexentry
F registersheet	F analyze
F registerspreadsheets	F anywhere
F reset	D authorcache
F resetdirect	D authorcollapsers
F reshape	T authorhashers
F setarea	F invertedshort
F setextra	F normal
F setsize	F normalinverted
F setspan	F normalshort
F setlines	F sequential
F setmvl	F sequentialshort
F setpresent	F short
F setproperties	D authormap
F setstart	F authortoregister
F shape	T btx
F showshape	T casters
F state	F author
F status	F keyword
F submvl	F pagenumber
F submvlbalance	F range
T injections	F checkeddataset
F flushafter	T citevariants
F flushbefore	F author
F save	F authornum
T mixedcolumns	F authoryear
F cleanup	F authoryears
F finalize	F category
F getlist	F default
F getrest	F entry
F getsplit	F index
F setsplit	F keywords
F pairs	F num
T parametersets	F page
F pcall	F short
T pdf	F tag

F textnum	S year
F year	T optional
D collected	T required
T components	T sets
F author	T author
F concatstate	T editionset
F converttoxml	T virtual
T currentspecification	T demo-a
S author	S category
T categories	T extra
T article	T fields
S category	S author
T extra	S institution
T fields	S organization
S author	S subtitle
S editor	S title
S journal	S year
S keywords	T optional
S note	T required
S number	T sets
S pages	T author
S title	T virtual
S volume	T demo-b
S year	S category
T optional	T extra
T required	T fields
T sets	S author
T author	S institution
T virtual	S organization
T book	S subtitle
S category	S title
T extra	S year
T fields	T optional
S address	T required
S author	T sets
S edition	T authors
S editor	T virtual
S keywords	S comment
S note	S copyright
S number	T fields
S publisher	S name
S subtitle	T types
S title	S author
S volume	S editor

S keywords	F abbreviated
S number	F add
S page	F expanded
S pages	F load
S volume	F save
S version	F lastofrange
D virtual	T lists
T virtualfields	F collectentries
B authornum	F combiinlist
B authoryear	F fetchentries
B authoryears	F filterall
B num	F flushcombi
B suffix	F flushentry
T datasets	F flushtag
T detailed	T methods
F endnotes_to_btx	F dataset
T enhancer	F force
S arguments	F global
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F readcardinal3le	U collapse
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F readchar	U prune and no empty
F readcline	U prune and to space
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F readinteger1le	T tables
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F closearchive	F parsedxml
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F hash	F writenewline
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F pack	F warn
F unpack	T xml
T templates	F addentitiesdoctype
F load	F addspecialcode
F replace	F after
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F resolve	F applylpath
T zipfiles	F applyselector
F close	F assign
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F hash	F badinclusions
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F unzipdir	B amp
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F getspecification	B quot
F getvisualizer	F cdata
F load	F cdatatotext
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F checkerror	F elements
F checknamespace	F elementtocdata
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F cleansed	D entities
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F collect_tags	F escaped
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F collecttexts	F attribute
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F convert	F contains
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F applyselector	F idstring
F colorspecification	F lower
F dimension	F name
F family	F number
F fontspecification	F oneof
F mappedstylevalue	F print
F padding	F quit
F size	F tag
F style	F text
F stylevalue	F undefined
F todimension	F upper
F variant	F fillin
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D tex	F attribute
D texline	F chainattribute
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S defaultprotocol	F command
F delete	F concat
F delete_element	F concatrange
F despecialized	F context
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F default	F tag
F depth	F tags
F first	F text
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F attributes	F injectafter
F cdata	F injectbefore
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F inject_element_after	F renamespace
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F replace_element	F separate
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- F toxml
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- F toboolean
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- F loadchunk
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F getdata	
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F escape		F poptarget	
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F result		F startfilelogging	
F set		F status	
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F type		F subdirect	
F urlescape		F subreport	
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F new		F addxmpinfo	
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F boolean	F frombytes
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F checkedresources	F fromsixteen
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F close	F getfontname
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F collectedresources	F getformatoption
F color	F getinfo
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D colorspaceconstants	F getnofpages
F colorspec	F getpageproperties
F colorvalue	F getpagereference
F colorvalues	F getpagetags
F commentsymbols	F getpos
F compressdata	F gettaggingstatus
F compresslevel	F gettrailerid
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F copyarray	F getxformname
F copyboolean	F graycode
F copyconstant	F hasmatrix
F copydictionary	F immediateobject
F copyfloat	F includeimage
F copyinteger	F initialize
F copynumber	F injectxmpinfo
F copystring	F insertxmpinfo
F copyunicode	F lastreferredpage
F deferredobject	F layerreference
F delayedobject	F limited
F destinationspecification	F linearshade
F dictionary	F literal
F docstring	F majorversion
F escaped	F makenametree
F finalizeddocument	F minorversion
F finalizepage	F noffontregistries
F finalizesignature	F nopages
F finishtransparencycode	F null
F flushfonts	F number
F flushgroup	F object
F flushobject	F objectcompresslevel
F flushstreamfileobject	F pagereference

F patternstream
 F pdfcolor
 F pdftimestamp
 F preparesignature
 F print
 F procset
 B protectresources
 F quads
 F rectangle
 F reference
 F registerannotation
 F registerdestination
 F registerdocumentfinalizer
 F registerfontmethod
 F registerinitializer
 F registerpagefinalizer
 F registerpattern
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 F replacexmpinfo
 F reserveobject
 F rgbcode
 F rotationcm
 F setcompression
 F setencryption
 F setpageorder
 F setpagestate
 F setpagetag
 F setutfstringmode
 F setversion
 F sharedobject
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 F shareobjectreference
 F splitsixteen
 F spotcode
 F stream
 F string
 F supportedformats
 F tocidset
 F toeight
 F topdfdoc
 F topermissions
 F tosixteen
 F transparency
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F B
 F C
 F Carg
 F Cb
 F Cc
 F Cf
 F Cg
 F Cmt
 F Cp
 F Cs
 F Ct
 F P
 F R
 F S
 F UP
 F UR
 F US
 F V
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F tsplitat		F setnibble	
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F get_functions_table		F poprunstate	
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F getcheckedkeys		F registerpageactions	
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F getexitcode		F registertempfile	
F getfunctionstable		N starttime	
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F getnumerickeys		lxml	table
F getpreciseseconds		F addindex	
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F getstringkeys		F attribute	
F getversion		F badinclusions	
N lastbytecode		F chainattribute	
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F concatrange	F lastatt
F content	F lastmatch
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F convert	F load
F count	F loadbuffer
F delete	F loaddata
F depth	F main
F direct	F match
F displayverbatim	F name
F doif	F namespace
F doifelse	F nonspace
F doifelseempty	F par
F doifelsetext	F param
F doifempty	F parameter
F doifnot	F path
F doifnotempty	F popmatch
F doifnottext	F pos
F doiftext	F position
F element	F pure
F elements	F pushmatch
D entities	F raw
F fileline	F rawroot
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F filterlist	F register
F first	F registerentity
F flush	F removesetup
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F setparameter
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 F snippet
 F splitid
 F startraw
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 F store
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 F stripped
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 F acos
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 F ceil
 F ceiling
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F max
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 F min
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 F pow
 F rad
 F random
 F randomseed
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 F sin
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 F sinh
 F sqrt
 F tan
 F tand
 F tanh
 F tointeger
 F type
 F ult

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F addfallbacks
 F addvariant
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 F beforepassingfonttotex
 F big
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F reset		F readbytes	
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S __name		F readcardinal3le	
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F write		F readfixed2	
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F tolist		F readinteger2	
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F replacementlist		F getcallbackstate	
F setlanguage		F getconstants	
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F concat		F gethalferrorlinestate	
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F getluastate		F byte	
F getmarkstate		F bytepairs	
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F getpoolstate		F characters	
F getreadstate		F checkedsplit	
F getsavestate		F chrtointeger	
F getsparsestate		F collapsespaces	
F getstringstate		F containsws	
F gettexstate		F count	
F gettokenstate		F dectointeger	
F getwarningstate		F dump	
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 F upper
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 F utfcharacter
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F utfvalue
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 F merge
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- F sort
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- F sortedpairs
- F sparse
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- F cprint
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- F getbadnessmodevalues
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F getboxoptionvalues	F getinputstatemode
F getboxresourcebox	F getinsertcontent
F getboxresourcedimensions	F getinsertdepth
F getbreakcontextvalues	F getinsertdistance
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F getcardinalvalue	F getinsertlimit
F getcatcode	F getinsertmultiplier
F getcccode	F getinsertwidth
F getcharactercontrolvalues	F getintegervalue
F getcharacteretagvalues	F getinteraction
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F getdimen	F getlargestusedmark
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F getdoublescriptoptionvalues	F getlinedir
F getemptyparagraphmodevalues	F getlist
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F getfillvalues	F getlistfields
F getflagvalues	F getlistgeometryvalues
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F getfontoffamily	F getlocalbox
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F getglue	F getlocallevel
F getglueoptionvalues	F getmark
F getglyphdata	F getmarknames
F getglyphdiscvalues	F getmath
F getglyphoptionvalues	F getmathclassoptionvalues
F getglyphprotectionvalues	F getmathcode
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F getglyphscript	F getmathcontrolvalues
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F getgroupvalues	F getmathgluevalues
F gethccode	F getmathoptionvalues
F gethelptext	F getmathparametervalues
F gethmcodes	F getmathscriptordvalues
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F getmathstylevalues	F getsnappingvalues
F getmathstylevariant	F getspecialmathclassvalues
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F getmathvariantvalues	F gettextcontrolvalues
F getmeasure	F gettextdir
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F getmode	F getuccode
F getmodevalues	F getuleaderlocationvalues
F getmuglue	F getunitclassvalues
F getmuskip	F getusedmarks
F getmvloptionvalues	F getvsplitcontextvalues
F getnest	D glueoptioncodes
F getnestfields	D glyphdiscodes
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F getprotrusionboundaryvalues	F linebreak
F getregisterindex	D linebreakstatecodes
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F resetparagraph	F setlist
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D userdiscoptioncodes		F get_cmdname	
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F get_parameters	F grab
F get_permanent	F grabstring
F get_primitive	F inhibit
F get_protected	F is_defined
F get_range	F is_next_char
F get_tok	F is_token
F get_tolerant	F isactivestring
F getactive	F isdefined
F getcmdchrcs	F isnextchar
F getcmdname	F istoken
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F getcommandvalues	F new
F getconstant	F peek_next
F getcsname	F peek_next_char
F getcstoken	F peek_next_expanded
F getdimension	F peeknext
F getexpandable	F peeknextchar
F getexpansion	F peeknextexpanded
F getfields	F pop_macro
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F getfrozen	F push_macro
F getfunctionvalues	F pushmacro
F getid	F put_back
F getimmutable	F put_next
F getindex	F putback
F getinstance	F putnext
F getinteger	F save_lua
F getlength	F savelua
F getmacro	F scan_argument
F getmeaning	F scan_box
F getnoaligned	F scan_cardinal
F getparameters	F scan_char
F getpermanent	F scan_cmdchr
F getprimitive	F scan_cmdchr_expanded
F getprimitives	F scan_code
F getprotected	F scan_csname
F getrange	F scan_delimited
F gettok	F scan_dimen
F gettolerant	F scan_float
F gobble	F scan_glue
F gobble_dimension	F scan_integer
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F scan_keyword	F scanluainteger	
F scan_keyword_cs	F scanluanumber	
F scan_letters	F scannext	
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F scan_luanumber	F scanposit	
F scan_next	F scanreal	
F scan_next_char	F scanscale	
F scan_next_expanded	F scanskip	
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F scan_scale	F scantoken	
F scan_skip	F scantokencode	
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F scan_token_code	F scantoks	
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F scan_word	F set_dimension	
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F scancode	F setmacro	
F scanscname	F setmacrofrommark	
F scanctestoken	F setmacrotonothing	
F scandelimited	F skip_next	
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F scandimen	F skipnext	
F scandimenargument	F skipnextexpanded	
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F scandimensionargument	F undefine_macro	
F scanfloat	F undefinemacro	
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F istoken		F filename	
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F popmacro		F query	
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F setinteger		F toquery	
D values		F unescape	
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F printerror		F byte	
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D data		F chrln	
F default		F count	
F disable		F filetype	
F dumphashtofile		F is_valid	
F enable		F len	
F list		F length	
S name		F lower	
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F marksuspects		F toentities	
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F issingular
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F meshname
F mul
F negate
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F __mul		F __bxor	
S __name		F __div	
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F conj		F fmin	
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F checkedempty	F inject
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F collecttexts	F insertafter
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F addcharacternames	D linebreaks
F adobename	F lower
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D blocks	D ranges
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D categories	F remap_hangul_syllable
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D collapsed	F setothercatcodes
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F contextname	F shaped
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F MPLs
F MPn
F MPp
F MPpardata
F MPplus
F MPpos
F MPr
F MPrest
F MPrs
F MPul
F MPur
F MPw

F MPwhd
F MPx
F MPxy
F MPxywhd
F MPy
F Romannumerals
F actualday
F actualmonth
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F adaptfontfeature
F adaptivecheckbox
F addbtxentry
F addcounter
F adddefaultsuffix
F addfeature
F addfontpath
F addgrapheme
F addlinenumbers
F addlinklistelement
F addreplacements
F addreplacementslist
F addrivers
F addtocolumnset
F addtocolumnsetmvl
F addtojavascriptpreamble
F addtolist
F align_point_delta
F allinputpaths
F alphabetic
F analysefloatmethod
F analyzeitemgroup
F analyzelist
F analyzelocalanchors
F analyzeregister
F analyzerotate
F analyzeupcomingitemgroup
F applypattern
F applytobox
F applytofirstcharacter
F arraycompare
F arrayequals
F arrayvalue
F ascender
F askedreference

F assignbuffer	F boxlinend
F async	F boxlinenh
F attachinsertion	F boxlinenw
F attachinsertions	F boxlinerh
F atwordboundary	F boxlinerp
F autofinishstructurelevels	F boxliners
F autoinsertnextspace	F boxlines
F automigrationcodestring	F boxlinewd
F autonextstructurelevel	F boxoptioncodestring
F autorule	F boxrangedp
F autosetups	F boxrangeht
F autostarttext	F boxrangewd
F autostoptext	F boxtostring
F badnessmodecodestring	F bposcolumn
F balanceshapeextra	F bposcolumnregistered
F benchmarktimer	F bs
F bf	F btxabbreviatedjournal
F bi	F btxaddentry
F bitmapimage	F btxaddjournal
F bitwise	F btxauthor
F bitwiseand	F btxauthorfield
F bitwiseflip	F btxauthortoregister
F bitwisenil	F btxcmdstring
F bitwisenot	F btxcollectlistentries
F bitwiseor	F btxcurrentfirstnames
F bitwiset	F btxcurrentinitials
F bitwiseshift	F btxcurrentjuniors
F bitwisexor	F btxcurrentsurnames
F blockcolumnset	F btxcurrentvons
F blockligatures	F btxdetail
F boolcase	F btxdirect
F boxdir	F btxdoif
F boxline	F btxdoifelse
F boxlinedp	F btxdoifelsecitedone
F boxlineht	F btxdoifelsecombiinlist
F boxlineil	F btxdoifelsematches
F boxlinein	F btxdoifelsesameasprevious
F boxlineir	F btxdoifelseuservariable
F boxlinelh	F btxdoifnot
F boxlinelp	F btxentrytobuffer
F boxlinels	F btxentrytostring
F boxlinemaxdp	F btxexpandedjournal
F boxlinemaxht	F btxfetchlistentries
F boxlinemaxwd	F btxfield

F btxfirstofrange	F checknesting
F btxflush	F checkstrutdepth
F btxflushlistcombi	F chemicalcomponent
F btxflushlistentry	F chinesenumerals
F btxflushlisttag	F chr
F btxflushmarked	F classoptioncodestring
F btxflushpages	F cleancolumnset
F btxhandlecite	F cleanfontname
F btxhandlenocite	F cleanupattributes
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F btxloaddefinitionfile	F clonefield
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F btxmissing	F codedef
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F btxsavedataset	F columnsetbalancefirst
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F btxsetregister	F columnsetdisablewide
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F btxtoregister	F columnsetlastfuture
F btxusedataset	F columnsetlastmvl
F btxuservariable	F columnsetlimit
F build_page_after_shipout	F columnsetnoto
F build_page_before_shipout	F columnsetresetdirect
F build_page_setup	F columnsetresetshapeextra
F capheight	F columnsetreshape
F charactercontrolcodestring	F columnsetsblockrows
F chardescription	F columnsetsetshapeextra
F checkcolumnset	F columnsetshape
F checkcountersetup	F columnsetshapebalancecheck
F checkedconversion	F columnsetshapebalanceextend
F checkedemoji	F columnsetshapecolumn
F checkedpagefloat	F columnsetshapecount
F checkinjector	F columnsetshapeindex
F checkinterfacechain	F columnsetshapepage
F checkmarkedpages	F columnsetshapresetbalancerange

F columnsetshapeslots	F decrementsubcounter
F columnsetshapespread	F deferredenhancelist
F columnsetshapevsize	F deferredenhancereference
F columnsetshapeworst	F deferredenhanceregister
F columnsetshowgrid	F defineaccents
F columnsetshowshape	F defineattribute
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F columnsetstate	F definebreakpoint
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F converteddimen	F definefallbackfamily
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F copyboxline	F definefilefallback
F copyposition	F definefilesynonym
F cos	F definefont_one
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F ctxfunction	F definefontcolorpalette
F ctxluamatch	F definefontfamily
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F ctxresetter	F definefontfeature
F ctxscanner	F definefontscriptset
F currentcomponent	F definefontsolution
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F currentdesignsize	F defineinsertion
F currentenvironment	F defineintermediatecolor
F currentfontinstancespec	F definelabcolorglobal
F currentposthyphenchar	F definelabcolorlocal
F currentprehyphenchar	F definelabels
F currentproduct	F definelanguage
F currentproject	F definelinkedlist
F currentsectiontolist	F definemathpreset
F datasetsize	F definemultitonecolorglobal
F datasetvariable	F definenamespace
F day	F definenote
F daymnm	F defineparallel
F dayname	F defineparbuilder
F decimals	F defineprocesscolordummy
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F defineprocesscolorlocal
F defineprogram
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F definesectionlevels
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F discardfromlist
F discptioncodestring
F disposeboxesincache
F disposeluatable
F doanalyzeframedbox
F doif
F doifcounter
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F doifelseblack
F doifelseboxincache
F doifelsebuffer

F doifelsebufferempty
F doifelsecharinfont
F doifelseconverter
F doifelsecounter
F doifelsecurrentfonthasfeature
F doifelsedimenstring
F doifelsedrawingblack
F doifelsefieldcategory
F doifelsefieldset
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F doifelsefirstchar
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F doifelsefontfeature
F doifelsefontpresent
F doifelseindented
F doifelseinelement
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F doifelseleapyear
F doifselisthasentry
F doifselisthasnumber
F doifselisthaspage
F doifselisthastitle
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F doifelsemarkedpage
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F doifelsesame	F enablealignskips
F doifelsesomething	F enableasciimode
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F doifelsestructureblockempty	F enablebackgroundalign
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F getfile	F getstructurelevel
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F getmathcharone	F gobblenested
F getmathchartwo	F gotocolumnsetslot
F getmathmathblob	F grabbuffer
F getmathtextblob	F groupcodestring
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F getobjectreferencepage	F helpreference
F getparshape	F hour
F getparwrapper	F hpackbox
F getprivatechar	F hpackedbox
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F getprivateslot	F hyphenatedlist
F getprogram	F hyphenationcodestring
F getrandomdimen	F ic
F getrandomfloat	F idxfromluatable
F getrandomnumber	F if_common
F getrandomseed	F ifallmodes
F getreadfilename	F ifbitwiseand
F getreferencesectionnumber	F ifblobindexdone
F getrivers	F ifboxhaslist

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F ifeof	F injectvspacing
F ifgluelineinbox	F injectzerobaselineskip
F ifinset	F inlinechemical
F iflua	F inputfilebarename
F ifmode	F inputfilename
F ifmodes	F inputfilerealsuffix
F ifmvl	F inputfilesuffix
F ifpositunum	F insertattachment
F ifsetups	F insertcomment
F ifsystemmode	F insertfield
F iftext	F insertionnumber
F ifxml	F insertrenderingwindow
F ifxmlatt	F inspectluatable
F ifxmlattempty	F installedlanguages
F ifxmlempty	F installtexdirective
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F ifxmltext	F installtextracker
F ignorefile	F interceptsamepagecontent
F ignoretagsinexport	F it
F immediatemessage	F jobfilefullname
F includesvgbuffer	F jobfilename
F includesvgfile	F jobfilesuffix
F incrementcounter	F jobposd
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F inhibitprimitive	F jobposp
F initializeexport	F jobposw
F initializejob	F jobposx
F initializemathcollapsing	F jobposy
F initializemathfencing	F languagecharwidth
F initializemathitalics	F languagenumber
F initializemathkernpairs	F lastblobindex
F initializemathnumbers	F lastnodeequals
F initializemathspacing	F lastnodeid
F initializestream	F lastnodeidstring
F initializetexdirectives	F lastnodesubtypestring
F initializetexexperiments	F lastparwrapper
F initializetextrackers	F lastrpos
F injectcurrentreference	F lastsavedboxresourceindex
F injectcurrentreferencehtdp	F lastsavedimageresourceindex
F injectdisable	F lastsavedimageresourcepages
F injectnowhite	F lastsectionpage
F injectreference	F lastsubcountervalue
F injectvpenalty	F lastunitstring

F lastxpos	F loadtexfileonce
F lastypos	F loadtypescriptfile
F lateindent	F loadvisualizer
F latelua	F loadxmlfile
F lateundent	F loadxmlfileonce
F lchexnumber	F localanchorx
F lchexnumbers	F localanchory
F leapyear	F localboxindent
F limited	F localboxindex
F linebuffering	F localboxlefthang
F linedir	F localboxleftoffset
F lineprofilebox	F localboxleftskip
F linesegment	F localboxlinenumber
F listanchorcodestring	F localboxlinewidth
F listbookmark	F localboxlocalwidth
F listexternal	F localboxmarkonce
F listgroupindex	F localboxovershoot
F listlabel	F localboxparfillleftskip
F listlocation	F localboxparfillrightskip
F listnamespaces	F localboxparinitleftskip
F listprefixednumber	F localboxparinitrightskip
F listprefixedpage	F localboxprogress
F listrawnnumber	F localboxrighthang
F listrawnrealpage	F localboxrightoffset
F listrawnuserpage	F localboxrightskip
F listsigncodestring	F localpopmacro
F listsize	F localpushmacro
F listtitle	F locatefilepath
F listuserdata	F loopcs
F lmt_parameters_define	F loopcsn
F lmt_parameters_preset	F lousiness
F lmt_parameters_reset	F luacardinal
F loadcldfile	F luacount
F loadcldfileonce	F luadimen
F loadexamodes	F luaexpression
F loadfontgoodies	F luafloat
F loadlibrary	F luainteger
F loadluafile	F luanumber
F loadluafileonce	F luarandom
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F loadmapfile	F luathread
F loadmapline	F lxmlid
F loadspellchecklist	F manipulated
F loadtexfile	F markblobindexdone

F markcontent	F mpgraphicstxttoks
F markedpageparameter	F mpoptions
F markedpages	F mpoutlinetoks
F markingnumber	F mppopvariables
F markingtitle	F mppushvariables
F markinjector	F mprunset
F markpage	F mpruntab
F markregionbox	F mprunvar
F markregionboxcorrected	F mpsetclippath
F markregionboxtagged	F mpsetoutercolor
F markregionboxtaggedkind	F mpsetsxxy
F markregionboxtaggedn	F mpsettext
F markvisualfonts	F mptexget
F mathclassvalue	F mptexreset
F mathcontrolcodestring	F mptexset
F mathhorizontalcode	F mptexsetfrombuffer
F mathoptioncodestring	F mptexttoks
F mathrenderset	F mvloptioncodestring
F mathvariantcode	F namedstructureuservariable
F mathvariantcount	F namedstructurevariable
F mathvariantslot	F naturalwd
F maxbufferwidth	F negatedcolorcomponent
F message	F newarray
F metapostescaped	F newhashedtable
F metapostformatted	F newindexedtable
F metapostgraphformat	F newluatable
F minute	F newparwrapper
F mixcleanup	F newrepeatablerandom
F mixfinalize	F newstacking
F mixflushlist	F nextparallel
F mixflushrest	F nextsubcountervalue
F mixgetsplit	F nodimen
F mixsetsplit	F nofbufferlines
F mixstate	F nofconversions
F modecodestring	F nofdays
F molecule	F nofdetachedinsertions
F month	F noflinesinbox
F monthmnem	F nofmathvariants
F monthname	F nofstackedfloats
F mpblobtext	F nologbuffering
F mpcolor	F normalizecodestring
F mpgetblob	F normalizedbodyfontsize
F mpgettext	F normalizeparcodestring
F mpgraphic	F notedeltapage

F noteinternal	F pdfbackendsetshade
F notelistindex	F pdfcolor
F noteprefixednumber	F pdfextension
F notetitle	F pdffeedback
F ntb_split_section_check	F pdflastobj
F ntb_split_section_fetch	F pdfliteral
F ntb_split_section_locate	F pdfobj
F ntb_split_section_reset	F pdfrefobj
F ntimes	F pdfsetuserdata
F number	F pdfvariable
F numbers	F percentageof
F objectreference	F pfabs
F objectreferencepage	F pfacos
F octnumber	F pfacosh
F openin	F pfasin
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F getautomigrationvalues	F getglyphstate
F getautoparagraphvalues	F getgroupvalues
F getbadnessmodevalues	F gethccode
F getbalancecallbackvalues	F gethelptext
F getbalanceparameterfields	F gethmcode
F getbalanceresultfields	F gethyphenationvalues
F getbalancestepoptionvalues	F getiftypes
F getbox	F getinputstatefile
F getboxdir	F getinputstateline
F getboxoptionvalues	F getinputstatemode
F getboxresourcebox	F getinsertcontent
F getboxresourcedimensions	F getinsertdepth
F getbreakcontextvalues	F getinsertdistance
F getbuildcontextvalues	F getinsertheight
F getcardinalvalue	F getinsertlimit
F getcatcode	F getinsertmultiplier
F getcccode	F getinsertwidth
F getcharactercontrolvalues	F getintegervalue
F getcharacteretagvalues	F getinteraction
F getcount	F getinteractionmodes
F getcurrentmvl	F getiovalues
F getdelcode	F getkerneloptionvalues
F getdelcodes	F getkernoptionvalues
F getdimen	F getlargestusedmark
F getdimensionvalue	F getlccode
F getdirectionvalues	F getlinebreakparameterfields
F getdiscoptionvalues	F getlinebreakresultfields
F getdispartvalues	F getlinebreakstatevalues
F getdoublescriptoptionvalues	F getlinedir
F getemptyparagraphmodevalues	F getlist
F geterrorvalues	F getlistanchorvalues
F getfillvalues	F getlistfields
F getflagvalues	F getlistgeometryvalues
F getfloat	F getlistsignvalues
F getfontoffamily	F getlocalbox
F getfrozenparvalues	F getlocalboxlocations
F getglue	F getlocallevel
F getglueoptionvalues	F getmark
F getglyphdata	F getmarknames
F getglyphdiscvalues	F getmath
F getglyphoptionvalues	F getmathclassoptionvalues
F getglyphprotectionvalues	F getmathcode
F getglyphscales	F getmathcodes
F getglyphscript	F getmathcontrolvalues

F getmathdir	F getregisterindex
F getmathgluevalues	F getruleoptionvalues
F getmathoptionvalues	F getrunstate
F getmathparametervalues	F getrunstatevalues
F getmathscriptordervalue	F getsfcode
F getmathscriptsmodevalues	F getshapingpenaltiesvalues
F getmathstylenamevalues	F getskip
F getmathstylevalues	F getsnappingvalues
F getmathstylevariant	F getspecialmathclassvalues
F getmathsurroundvalues	F getspecification
F getmathvariantpresets	F getspecificationoptionvalues
F getmathvariantvalues	F gettextcontrolvalues
F getmeasure	F gettextdir
F getmissingcharactervalues	F gettoks
F getmode	F getuccode
F getmodevalues	F getuleaderlocationvalues
F getmuglue	F getunitclassvalues
F getmuskip	F getusedmarks
F getmvloptionvalues	F getvsplitcontextvalues
F getnest	D glueoptioncodes
F getnestfields	D glyphdiscodes
F getnestlevel	D glyphoptioncodes
F getnoadoptionvalues	D groupcodes
F getnormalizelinevalues	F hashtokens
F getnormalizeparvalues	N hshcatcodes
F getoutputactive	D hyphenationcodes
F getpacktypevalues	D ifs
F getpagecontextvalues	N inicatcodes
F getpagestate	F integerdef
F getpagestatevalues	D interactioncodes
F getparametermodevalues	F isattribute
F getparcontextvalues	F isbox
F getpardataspecifications	F iscount
F getpardir	F isdefined
F getparmodevalues	F isdimen
F getparstate	F isfloat
F getparstatefields	F isglue
F getpartriggervalue	F ismuglue
F getpenaltyoptionvalues	F ismuskip
F getpositvalue	F isprintable
F getprepoststatevalues	F isskip
F getprimitivelegacies	F istoks
F getprimitiveorigins	F lastnodetype
F getprotrusionboundaryvalues	F linebreak

D linebreakstatecodes	F runtoks
D listanchorcodes	F saveboxresource
D listgeometrycodes	F scale
D listsigncodes	F scantoks
N luacatcodes	F set
F mathchardef	F setamcode
D mathcontrolcodes	F setattribute
D mathoptioncodes	F setbalanceshape
D mathparametercodes	F setbox
D mathscriptordercodes	F setboxdir
D mathscriptsmodecodes	F setcardinalvalue
D modes	F setcatcode
F mprint	F setcccode
D mvloptioncodes	F setconditional
N nilcatcodes	F setcount
D noadoptoptioncodes	F setdelcode
D normalizelinecodes	F setdimen
D normalizeparcodes	F setdimensionvalue
N notcatcodes	F setfloat
F number	F setglue
F overloadpermitted	F setglyphdata
D parcontextcodes	F setglyphscript
D partriggercodes	F setglyphstate
D penaltyoptioncodes	F sethccode
F poplocal	F sethmcode
F popsavelevel	F setinputstatefile
F positdef	F setinputstateline
F preparelinebreak	F setinputstatemode
F primitives	F setinsertcontent
F print	F setinsertdistance
D protrusionboundarycodes	F setinsertlimit
N prtcatcodes	F setinsertmultiplier
F pushlocal	F setintegervalue
F pushsavelevel	F setinteraction
F quitlocal	F setlccode
F quittoks	F setlinedir
F resetparagraph	F setlist
N rlnatcodes	F setlocalbox
F romannumeral	F setmath
F round	F setmathcode
D ruleoptioncodes	F setmathdir
F runlocal	F setmuglue
D runstatecodes	F setmuskip
F runstring	F setnest

F setpaddir		N functionsize	
F setpositvalue		F init	
F setrunstate		B kpse_init	
F setsfcode		N propertiessize	
F setskip		S shell_escape	
F settexmdir		texconstants	data table
F settoks		texifs	data table
F setuccode		texio	table
D shapingpenaltiescodes		F closeinput	
F shiftparshape		F forceendoffile	
F shipout		F getinputindex	
F showcontext		F getselectorvalues	
D snappingcodes		F getsourcefilename	
F snapshotpar		F setlogfile	
F sp		F terminal	
D specialmathclasscodes		F write	
D specificationoptioncodes		F write_nl	
F splitbox		F writenl	
D splitcodes		F writeselector	
F sprint		F writeselectorlf	
F stringtocodesbitmap		F writeselectornl	
D systemmodes		texisdefined	data table
F takebox		texmodes	data table
N texcatcodes		texsystemmodes	data table
D textcontrolcodes		thirddata	table
F tonumber		toboolean	function
F toscaled		todecimal	function
N tpcatcodes		token	table
N tpbcatcodes		F create	
F tprint		F expand	
F trackedattribute		F expand_macro	
D trackers		F expandmacro	
F triggerbuildpage		F future_expand	
N txtcatcodes		F futureexpand	
F uprint		F get_active	
F useboxresource		F get_cmdchrscs	
D userdiscoptioncodes		F get_cmdname	
D userglyphoptioncodes		F get_command	
N vrbcatcodes		F get_csname	
F write		F get_cstoken	
texconditionals	data table	F get_dimension	
texconfig	table	F get_expandable	
S firstline		F get_fields	
S formatname		F get_flags	

F get_frozen
F get_id
F get_immutable
F get_index
F get_instance
F get_integer
F get_macro
F get_meaning
F get_noaligned
F get_parameters
F get_permanent
F get_primitive
F get_protected
F get_range
F get_tok
F get_tolerant
F getactive
F getcmdchr
F getcmdname
F getcommand
F getcommandvalues
F getconstant
F getcsname
F getcstoken
F getdimension
F getexpandable
F getexpansion
F getfields
F getflags
F getfrozen
F getfunctionvalues
F getid
F getimmutable
F getindex
F getinstance
F getinteger
F getlength
F getmacro
F getmeaning
F getnoaligned
F getparameters
F getpermanent
F getprimitive
F getprimitives

F getprotected
F getrange
F gettok
F gettolerant
F gobble
F gobble_dimension
F gobble_integer
F gobbledimension
F gobbleinteger
F grab
F grabstring
F inhibit
F is_defined
F is_next_char
F is_token
F isactivestring
F isdefined
F isnextchar
F istoken
F locatemacro
F new
F peek_next
F peek_next_char
F peek_next_expanded
F peeknext
F peeknextchar
F peeknextexpanded
F pop_macro
F popmacro
F push_macro
F pushmacro
F put_back
F put_next
F putback
F putnext
F save_lua
F savelua
F scan_argument
F scan_box
F scan_cardinal
F scan_char
F scan_cmdchr
F scan_cmdchr_expanded
F scan_code

F scan_csname	F scaninteger
F scan_delimited	F scanintegerargument
F scan_dimen	F scankey
F scan_float	F scankeyword
F scan_glue	F scankeywordcs
F scan_integer	F scanletters
F scan_key	F scanluacardinal
F scan_keyword	F scanluainteger
F scan_keyword_cs	F scanluanumber
F scan_letters	F scannext
F scan_luacardinal	F scannextchar
F scan_luainteger	F scannextexpanded
F scan_luanumber	F scanposit
F scan_next	F scanreal
F scan_next_char	F scanscale
F scan_next_expanded	F scanskip
F scan_real	F scanstring
F scan_scale	F scantoken
F scan_skip	F scantokencode
F scan_string	F scantokenlist
F scan_token	F scantokenstring
F scan_token_code	F scantoks
F scan_tokenlist	F scanvalue
F scan_toks	F scanword
F scan_value	F serialize
F scan_word	F set_dimension
F scanargument	F set_integer
F scanbox	F set_lua
F scancardinal	F set_macro
F scanchar	F setdimension
F scancmdchr	F setinteger
F scancmdchrexplanded	F setlua
F scancode	F setmacro
F scanscname	F setmacrofrommark
F scanctoken	F setmacrotonothing
F scandelimited	F skip_next
F scandetokened	F skip_next_expanded
F scandimen	F skipnext
F scandimenargument	F skipnextexpanded
F scandimension	F type
F scandimensionargument	F undefine_macro
F scanfloat	F undefinemacro
F scanglue	
F scanint	

tokens	table
F astable	

D cache		unpack	function
D commands		updaters	table
F compile		F apply	
F constant		F register	
F create		url	table
F defined		F addscheme	
F flags		F barepath	
F getinteger		F construct	
F gobble		F decode	
F isactivestring		F encode	
F isdefined		F escape	
F istoken		F filename	
F new		F hashed	
F pickup		F hasscheme	
F popmacro		F query	
F pushmacro		F split	
F setinteger		F toquery	
D values		F unescape	
tonumber	function	F unescapepet	
tostring	function	userdata	table
tracers	table	utf	table
F printerror		F byte	
F printwarning		F bytewidth	
F showlines		F char	
trackers	table	F characters	
D data		F chrln	
F default		F count	
F disable		F filetype	
F dumphashtofile		F is_valid	
F enable		F len	
F list		F length	
S name		F lower	
F register		F magic	
F report		F remapper	
F reset		F replacer	
F savehash		F split	
F show		F splitlines	
F value		F sub	
F values		F substituter	
type	function	F tocodes	
typesetters	table	F toeight	
F marksuspects		F toentities	
F showinvisibles		F tostring	
F showsuspects		F totable	

F upper	F getepsilon
F ustring	F getmesh
F utf16_to_utf8_be	F getrc
F utf16_to_utf8_be_t	F getrow
F utf16_to_utf8_le	F getstacking
F utf16_to_utf8_le_t	F gettype
F utf16_to_utf8_t	F homogenize
F utf32_to_utf8_be	F identity
F utf32_to_utf8_be_t	F inner
F utf32_to_utf8_le	F insert
F utf32_to_utf8_le_t	F inverse
F utf32_to_utf8_t	F ismesh
F utf8_to_utf16	F issingular
F utf8_to_utf16_be	F isvector
F utf8_to_utf16_le	F iszero
F utf8_to_utf8_t	F meshname
F values	F mul
F xstring	F negate
utf8	F new
	F normalize
F char	F onecolumn
S charpattern	F onerow
F codepoint	F product
F codes	F remove
F len	F replace
F offset	F round
utilities	F rowechelon
	F set
vector	F setepsilon
	F setnext
F add	F setrc
F append	F setstacking
F average	F slice
F ceiling	F sort
F checkoverlap	F sub
F collectoverlap	F swap
F concat	F tostring
F copy	F totable
F crossproduct	F transpose
F delete	F triangulate
F determinant	F truncate
F div	F type
F equal	visualizers
F exchange	
F floor	D escapepatterns
F get	
F getdimensions	
	table

F getspecification		F atan	
F getvisualizer		F atanh	
F load		F conj	
F makenested		F cos	
F makepattern		F cosh	
F newgrammar		F dawson	
F newhandler		F erf	
F parsedxml		F erfc	
F pattern		F erfcx	
F register		F erfi	
F registerescapecommand		F exp	
F registerescapepline		F i	
F registerescapepattern		F imag	
S signal		F log	
U signalpattern		F new	
D specifications		F pow	
F visualize		F proj	
F visualizebuffer		F real	
F visualizefile		F sin	
F visualizestring		F sinh	
F write		F sqrt	
F writeargument		F tan	
F writedefault		F tanh	
F writeemptyline		F topair	
F writenewline		F toString	
F writespace		F totable	
warn	function	F voigt	
xcomplex	table	F voigt_hwhm	
F I		xdecimal	table
F __add		F __add	
F __div		F __band	
F __eq		F __bor	
F __mul		F __bxor	
S __name		F __div	
F __pow		F __eq	
F __sub		F __idiv	
F __toString		F __le	
F __unm		F __lt	
F abs		F __mod	
F acos		F __mul	
F acosh		S __name	
F arg		F __pow	
F asin		F __shl	
F asinh		F __shr	

F __sub
F __tostring
F __unm
F abs
F band
F bor
F bxor
F conj
F copy
F exp
F getprecision
F ln
F log
F max
F min
F minus
F new
F plus
F pow
F rotate
F setprecision
F shift
F sqrt
F toengstring
F tonumber
F tostring
F trim

xmath

F acos
F acosh
F asin
F asinh
F atan
F atan2
F atanh
F cbrt
F ceil
F copysign
F cos
F cosh
F deg
F erf
F erfc
F exp

table

F exp2
F expm1
F fabs
F fdim
F floor
F fma
F fmax
F fmin
F fmod
F frexp
F gamma
F hypot
N inf
F isfinite
F isinf
F isnan
F isnormal
F j0
F j1
F jn
F ldexp
F lgamma
F log
F log10
F log1p
F log2
F logb
F modf
N nan
F nearbyint
F nextafter
N pi
F pow
F rad
F remainder
F remquo
F round
F scalbn
F sin
F sinh
F sqrt
F tan
F tanh
F tgamma

F trunc	F empty
F y0	D entities
F y1	F erase
F yn	F errorhandler
xml	F escaped
	F expand
F addentitiesdoctype	F fillin
F addspecialcode	F filter
F after	F first
F all	F found
F applylpath	F getbuffer
F applyselector	F gethandlers
F assign	F gethandlersfunction
F attribute	F include
F badinclusions	F inclusion
F before	F inclusions
F body	F index
F cdata	F inheritattributes
F cdatatotext	F inheritedconvert
F checkbom	F inject
F checkedempty	F inject_element
F checkerror	F inject_element_after
F checknamespace	F inject_element_before
F checkns	F injectafter
F cleansed	F injectbefore
F collect	F insert
F collect_elements	F insert_element
F collect_tags	F insert_element_after
F collect_texts	F insert_element_before
F collected	F insertafter
F collecttexts	F insertbefore
F compactelement	F insertcdata
F content	F insertcomment
F convert	F inspect
F copy	F is_valid
F count	F kind
F cprint	F last
S defaultprotocol	F lastmatch
F delete	F load
F delete_element	F lpath
F despecialized	F lpathcached
F each	F lpathcalls
F each_element	F lshow
F elements	F makestandalone
F elementtocdata	
table	

F match	F setinjectors	
F name	F setproperty	
F newhandlers	F settings	
F nodesettostring	D specialcodes	
F originalload	F sprint	
F package	F string	
F parent	F strip	
U parsedentitylpeg	F strip_whitespace	
F popmatch	F stripelement	
F position	F stripleadingspaces	
D privatecodes	F table	
F privatetoken	F text	
F process	F textonly	
F process_attributes	F texttocdata	
F process_elements	F tocdata	
F processattributes	F toelement	
F pure	F tostring	
F pushmatch	F totable	
F raw	F toxml	
F registerentity	F tprint	
F registers	F traverse	
F reindex	F unescaped	
F remap_name	U unescapedentitylpeg	
F remap_namespace	F unprivatized	
F remap_tag	F unspecialized	
F remapname	F wipe	
F remapnamespace	F withelement	
F remaptag	F withelements	
F rename	F wrap	
F renamespace	xpcall	function
U reparsedentitylpeg	xzip	table
F replace	F adler32	
F replace_element	F compress	
F resetinjectors	F compresssize	
F resolvens	F crc32	
F root	F decompress	
F save	F decompresssize	
F selection	zip	table
F separate	F closearchive	
F serialize	F openarchive	
F serializetotext	zlib	table
F setcdata	F adler32	
F setcomment	F compress	
F sethandlersfunction	F compresssize	

F crc32

F decompresssize

F decompress

graphics (context)

backgrounds	table	identify	function
F fetchmultipar		registerpdfcompactor	function
F pair		registerpdffont	function
F path		synchronizers	table
F point		F collapse	
bitmaps	table	F collect	
F flush		F extend	
F load		F getbottom	
F new		F getd	
F placeholder		F geth	
F tocontext		F getkind	
bpsize	function	F getsize	
colorspaces	table	F gettask	
identifiers	table	F gettop	
F bitmap		F getw	
F jp2		F getx	
F jpeg		F gety	
F jpg		F prune	
F png			

gzip (context)

compress function
compressed function
decompress function

load function
save function
suffix function

helper (context)

getprofile	function
mathnested	function
mathprocess	function
mathstep	function
snapindeed	function

snplist	function
traversecharmethod	function
traverseglyphmethod	function
traversehorizontal	function
traversevertical	function

images (context)

check function
checksize function
copy function
create function
embed function
embedfromstore function
fetchdata function
keys table
print function
resetdata function
resetstore function
scan function
serialize function
sizes table

B art
B bleed

B crop
B media
B none
B trim

storedata function
totable function
types table

N jbig2
N jp2
N jpg
N none
N pdf
N png
N stream

wrap function

interactions (context)

attachments data table

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F getidentityvariable

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

linkedList data table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocumentaction

F setclosepageaction

F setopendocumentaction

F setopenpageaction

renderings data table

interfaces (context)

arrays	table	namesofscanners	table
cachedsetups	data table	namespaces	table
cachesetup	function	F define	
cardinals	table	F list	
checkedspecification	function	numbers	table
complete	data table	registernamespace	function
constants	data table	registerscanner	function
corenamespaces	data table	scanners	data table
currentinterface	string	setconstant	function
currentresponse	string	setcount	function
definecommand	function	setdimen	function
defined	function	setelement	function
doifelsemessage	function	setformat	function
elements	data table	setmacro	function
floats	table	setmessage	function
formats	data table	setmessages	function
getmessage	function	settranslation	function
getnamespace	function	setupstrings	data table
getsetupstring	function	setvariable	function
hashedsetups	data table	showmessage	function
implement	function	storedscanners	data table
integers	table	tolist	function
interfacedcommand	function	translations	data table
interfaces	table	usednamespaces	data table
knownscanner	function	variables	data table
message	function	writestatus	function
nameofscanner	function		

io (basic lua)

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

job (context)

comment	function	D collected	
datasets	table	F countervalue	
D collected		F extend	
F extend		F realpage	
F getdata		F realpageorder	
F setdata		F setstate	
D tobesaved		D tobesaved	
disablesave	function	parwrappers	table
embedded	table	D collected	
D collected		D tobesaved	
D tobesaved		positions	table
fileobjreferences	table	F b_column	
D collected		F b_region	
D tobesaved		F c	
files	table	D collected	
D collected		F column	
F context		F columnofpos	
B forcerun		F copy	
F run		F depth	
D tobesaved		F e_column	
getrandomseed	function	F e_region	
initialize	function	F enhance	
linkedlists	table	F extra	
D collected		F get	
D tobesaved		F getcolumndata	
load	function	F getfree	
loadother	function	F gethpos	
meshedup	table	F gethvrpos	
D collected		F getpos	
D tobesaved		F getreserved	
objects	table	F getrpos	
D collected		F getsync	
F get		F gettobesaved	
F number		F getvpos	
F page		F hangafter	
F save		F hangindent	
F set		F height	
D tobesaved		F hsize	
pack	boolean	N lastr	
packversion	number	N lastx	
pagestates	table	N lasty	

F leftskip	F upperleft	
F lowerleft	F upperright	
F lowerright	F used	
F markregionbox	F whd	
F n	F width	
F onsamepage	F x	
F overlapping	F xy	
F p	F y	
F page	register	function
F paragraph	save	function
F parindent	structure	table
F position	D collected	
F r	variables	table
F region	D checksums	
F registerhandlers	D collected	
F replace	F getchecksum	
F rightskip	F makechecksum	
F set	F restore	
F setall	F save	
F setregionbox	F setchecksum	
F setspec	D tobesaved	
F settobesaved	version	number
D tobesaved		

language (basic tex)

clean	function
clearhyphenation	function
clearpatterns	function
current	function
gethjcode	function
has_language	function
hyphenate	function
hyphenation	function
hyphenationmin	function

id	function
new	function
patterns	function
postexhyphenchar	function
posthyphenchar	function
preexhyphenchar	function
prehyphenchar	function
sethjcode	function
setwordhandler	function

languages (context)

addgoodiesdata	function	numbers	data table
addgoodiesfile	function	pdflanguage	function
appliedoptions	table	postexhyphenchar	function
associate	function	posthyphenchar	function
associated	data table	preexhyphenchar	function
association	function	prehyphenchar	function
counters	data table	registered	data table
current	function	registeredactions	table
data	data table	replacements	table
decimals	data table	F add	
define	function	F addlist	
explicitthyphen	function	F handler	
exportlanguage	function	F set	
flatten	function	serializediscretionary	function
frequencies	table	setexceptions	function
F averagecharwidth		setgoodieshandler	function
F getdata		setoptions	function
getdata	function	setpatterns	function
getmetadata	function	setsynonym	function
getnumber	function	setwordhandler	function
goodiefiles	function	showdiscretionaries	function
hjcounts	table	strippedgoodiewords	function
hyphenate	function	tolang	function
hyphenators	table	transliteration	table
D featuresets		F exception	
F handler		F handler	
F popmethod		F register	
F pushmethod		F set	
F setmethod		F use	
F setup		unload	function
F showhyphenationtrace		urls	table
installed	function	D characters	
installhandler	function	N lefthyphenmin	
labels	table	D mapping	
F define		B packslashes	
F split		N righthyphenmin	
loadable	function	F setcharacters	
loadwords	function	version	number
logger	table	visualizediscretionaries	function
F report		words	table
nofflattened	function	F check	

F disable

F found

F enable

F load

B enables

N threshold

layouts (context)

getcanvas	function	status	table
getpagedimensions	function	F isleftpage	
setupcanvas	function	F lefttorrightpageaction	

lfs (extra lua)

attributes	overloaded function
chdir	overloaded function
currentdir	function
dir	overloaded function
isdir	overloaded function
isfile	overloaded function
isfound	function
isreadabledir	function
isreadablefile	function
iswriteabledir	function
iswriteablefile	function

link	overloaded function
mkdir	overloaded function
mkdirs	function
modification	function
readlink	function
rmdir	overloaded function
setexecutable	function
symlink	function
symlinktarget	function
touch	overloaded function
walkdir	function

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

optional data table

lmx (context)

color	function
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
popupfile	function
print	function
pv	function
report	function
reset	function
result	function
set	function
show	function
stripcss	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	

logs (context)

application	function	setformats	function
categories	function	setformatters	function
direct	function	setlogfile	function
disable	function	setmessenger	function
enable	function	setprocessor	function
finalactions	function	settarget	function
flush	function	settimedlog	function
loggingerrors	function	settranslations	function
messenger	function	show	function
new	function	start_page_number	function
newline	function	start_run	function
poplogfile	function	startererrorlogging	function
poptarget	function	startfilelogging	function
private	table	status	function
F enablepagetiming		stop_page_number	function
F getpagetiming		stoperrorlogging	function
pushlogfile	function	stopfilelogging	function
pushtarget	function	subdirect	function
registerfinalactions	function	subreport	function
report	function	system	function
reporter	function	texerrormessage	function
resetlogfile	function	writer	function

lpdf (context)

action	function	copystring	function
adddocumentcolorspace	function	copyunicode	function
adddocumenttextgstate	function	deferredobject	function
adddocumentpattern	function	delayedobject	function
adddocumentshade	function	destinationspecification	function
addtocatalog	function	dictionary	function
addtoinfo	function	docstring	function
addtonames	function	encodingvalues	table
addtopageattributes	function	N base16	
addtopageresources	function	N base85	
addtopagesattributes	function	N decoded	
addxmpinfo	function	N encoded	
annotationspecification	function	N plain	
array	function	N utf16be	
attachmentsymbols	function	N utf16le	
boolean	function	endpoints	table
border	function	S Div	
checkedkey	function	S Part	
checkedresources	function	S Sect	
checkedvalue	function	epdf	table
circularshade	function	F allcontent	
close	function	F analyzefonts	
cmykcode	function	F contentplugin	
collectedresources	function	F contenttostring	
color	function	F contenttotext	
colorspace	function	D encryptioncodes	
colorspaceconstants	data table	F expanded	
colorspec	function	F expandwidths	
colorvalue	function	F fontplugin	
colorvalues	function	F getpagecontent	
commentsymbols	function	F getstructure	
compressdata	function	F load	
compresslevel	function	F mergewidths	
constant	function	D objectcodes	
copyarray	function	F objectrange	
copyboolean	function	F objecttype	
copyconstant	function	F pageplugin	
copydictionary	function	F parsecontent	
copyfloat	function	F producer	
copyinteger	function	F unload	
copynumber	function	F verboseobject	

escaped	function	S \	
finalizedocument	function	h_hex_4	table
finalizepage	function	hasmatrix	function
finalizesignature	function	immediateobject	function
finishtransparencycode	function	includeimage	function
flags	table	initialize	function
flushfonts	function	injectors	table
flushgroup	function	F bitmap	
flushobject	function	F jp2	
flushstreamfileobject	function	F jpg	
flushstreamobject	function	F png	
fonts	table	injectxmpinfo	function
F color_direct		insertxmpinfo	function
F color_indirect		lastreferredpage	function
formats	data table	layerreference	function
frombytes	function	limited	function
fromeight	function	linearshade	function
frompdfdoc	function	literal	function
fromsixteen	function	majorversion	function
getcatalg	function	makenametree	function
getcompression	function	minorversion	function
getfontname	function	noffontregistries	function
getfontobjectnumber	function	nofpages	function
getformatoption	function	null	function
getinfo	function	number	function
getmatrix	function	object	function
getnofpages	function	objectcompresslevel	function
getpageproperties	function	pagereference	function
getpagereference	function	patternstream	function
getpagetags	function	pdfcolor	function
getpos	function	pdftimestamp	function
gettaggingstatus	function	permissions	table
gettrailerid	function	N access	
getversion	function	N add	
getxformname	function	N assemble	
graycode	function	N extract	
h_hex_2	table	N fillin	
S		N modify	
S		N print	
S		N quality	
S		preparesignature	function
S		print	function
S (procset	function
S)		protectresources	boolean

quads	function	splitsixteen	function
rectangle	function	spotcode	function
reference	function	stream	function
registerannotation	function	string	function
registerdestination	function	supportedformats	function
registerdocumentfinalizer	function	tocidset	function
registerfontmethod	function	toeight	function
registerinitializer	function	topdfdoc	function
registerpagefinalizer	function	topermissions	function
registerpattern	function	tosixteen	function
registersignature	function	transparency	function
replacexmpinfo	function	transparencycode	function
reserveobject	function	transparencygroups	table
rgbcode	function	B none	
rotationcm	function	transparencyvalue	function
setcompression	function	unicode	function
setencryption	function	usedcharacters	table
setpageorder	function	usedfontnames	table
setpagestate	function	N dejavusansmonoboldttf-1-0-0	
setpagetag	function	usedfontobjects	table
setutfstringmode	function	N dejavusansmonoboldttf-1-0-0	
setversion	function	usedfontstreams	data table
sharedobject	function	usedindices	table
shareobject	function	verbose	function
shareobjectreference	function		

lpeg (basic lua)

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

lua (basic tex)

addnibble	function	getstacktop	function
bytecode	table	getstartupfile	function
bytedata	data table	getstringkeys	function
bytdone	table	getversion	function
callbytecode	function	lastbytecode	number
comparekeys	function	messages	data table
finalizeinitex	function	newindex	function
firstbytecode	number	newtable	function
get_functions_table	function	numbers	data table
getallkeys	function	protectglobal	function
getbytecode	function	registercode	function
getcheckedkeys	function	registeredcodes	function
getcurrenttime	function	registerglobal	function
getdebuginfo	function	registerinitexfinalizer	function
getexitcode	function	registername	function
getfunctionstable	overloaded function	setbytecode	function
getnibble	function	setexitcode	function
getnumerickeys	function	setnibble	function
getpreciseseconds	function	startupfile	string
getpreciseticks	function	subnibble	function
getruntime	function	version	string

luac (extra lua)

```
inspect function  
print    function
```


luatex (context)

abort	function	F disable	
cleanup	function	F enable	
cleanuptempfiles	function	F finish	
currentfile	function	F isenabled	
currentlevel	function	F pause	
currenttotal	function	F popline	
poprunstate	function	F pushline	
pushrunstate	function	F registerdisabler	
registerdumpactions	function	F registerenabler	
registerpageactions	function	F resetfilename	
registerstartactions	function	F resume	
registerstopactions	function	F setfilename	
registertempfile	function	F setup	
starttime	number	F start	
synctex	table	F stop	
F blockfilename		F wrapup	
F collect		wrapup	function

lxml (context)

addindex	function	filter	function
all	function	filterlist	function
applyfunction	function	first	function
applyselectors	function	flush	function
att	function	flushlinewise	function
attribute	function	flushsetups	function
badinclusions	function	flushspacewise	function
chainattribute	function	get_id	function
checkindex	function	getid	function
collected	function	getindex	function
command	function	id	function
concat	function	idsplitter	userdata
concatrange	function	ifatt	function
content	function	ifattempty	function
context	function	include	function
convert	function	inclusion	function
count	function	inclusions	function
delete	function	index	function
depth	function	inlineverbatimim	function
direct	function	installsetup	function
directives	table	last	function
F after		lastatt	function
F before		lastmatch	function
F handle		lastpar	function
F load		load	function
F setup		loadbuffer	function
displayverbatimim	function	loaddata	function
doif	function	loaded	table
doifelse	function	main	function
doifelseempty	function	match	function
doifelsetext	function	name	function
doifempty	function	namespace	function
doifnot	function	nonspace	function
doifnotempty	function	par	function
doifnottext	function	param	function
doiftext	function	parameter	function
element	function	path	function
elements	function	popmatch	function
entities	data table	pos	function
fileline	function	position	function
filename	function	pure	function

pushmatch	function
raw	function
rawroot	function
rawtex	function
refatt	function
register	function
registerentity	function
removesetup	function
replace	function
resetcdata	function
resetsetups	function
resolvedentity	function
root	function
save	function
serialize	function
setaction	function
setatt	function
setattribute	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setpar	function
setparam	function
setparameter	function
setsetup	function
snippet	function

sorters	table
F add	
F compare	
F flush	
F reset	
F show	
F sort	
splitid	function
startraw	function
startunesescaped	function
stopraw	function
stopunesescaped	function
store	function
strip	function
stripped	function
tag	function
texatt	function
text	function
tobuffer	function
tofile	function
toparameters	function
toverbatim	function
verbatim	function
withindex	function
xmltexhandler	data table

math (basic lua)

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

mathematics (context)

addfallbacks	function	familyname	function
addvariant	function	functiontype	function
alphabets	data table	gaps	data table
alternatives	data table	getblobindex	function
beforepassingfonttotex	function	getboth	function
big	function	getdomainname	function
boldmap	data table	getextensibledata	function
categories	table	getmathblob	function
D functions		getoptionallabel	function
charactersets	data table	getstyle	function
checkaftercopyingfont	function	gettextblob	function
classes	data table	getverboselabel	function
classnameses	data table	horizontalcode	function
codes	data table	initializeparameters	function
define	function	makefont	function
dictionaries	table	mapremap	data table
D data		markblobindexdone	function
D defaults		overloadparameters	function
D groups		preset	function
F groupset		presets	table
F groupsetgroup		privatebase	number
F name		registerextensible	function
D names		registersimplematrix	function
F registercharacter		registerverboselabel	function
F registergroup		remapalphabets	function
F registergroupset		renderextensible	function
D sets		renderings	table
D variants		D mappings	
dimensions	function	D numbers	
disablecollecting	function	D sets	
domainlabels	table	renderset	function
domainnames	table	resetattributes	function
N default		scaleparameters	function
enablecollecting	function	setextensibledata	function
extensiblecode	function	setmathsymbol	function
extensibles	data table	sets	data table
extrabase	number	setsnapping	function
fallbacks	table	setvariant	function
F apply		styles	data table
F install		syncboth	function
fallbackstyleattr	function	syncname	function

syncstyle	function	F fontname	
tagging	table	F inspect	
B mfenced		F keepbases	
toengineclass	function	F kernpairs	
toname	function	F kerns	
tostyle	function	F margins	
tweakaftercopyingfont	function	F message	
tweakbeforecopyingfont	function	F moveitalics	
tweaks	table	F movelimits	
F accentdimensions		F parameters	
F action		F radicalbodymargins	
F addactuarian		F radicaldegreearchors	
F addarrows		F replace	
F addbars		F replacealphabets	
F addcomposites		F replacerules	
F addequals		F setoptions	
F addfourier		F setovershoots	
F addmirrors		F showinfo	
F addparts		F simplifykerns	
F addprivates		F sortvariants	
F addrules		F staircase	
F addscripts		F substitute	
F bigslots		F topanchors	
F checkaccents		F tweaks	
F checkspacing		F version	
F copyaccents		F wipeanchors	
F dimensions		F wipecues	
F extendaccents		F wipeitalics	
F fallbacks		F wipevariants	
F fixaccents		utfmathaccent	function
F fixellipses		utfmathclass	function
F fixintegrals		utfmathcommand	function
F fixoldschool		utfmathfiller	function
F fixprimes		utfmathstretch	function
F fixradicals		variantcode	function
F fixslashes		variantcount	function
F fixvariants		virtualize	function
F flattenaccents		virtualized	data table

md5 (extra lua)

HEX function
dec function
hex function

sum function
sumHEXA function
sumhexa function

metapost (context)

checkformat	function	N newinternal
checktracingonline	function	N nullary
cm	function	N numeric
codes	table	N of
N addto		N ofbinary
N ampersand		N onlyset
N and		N parametertype
N assignment		N pathconnect
N atleast		N pathjoin
N begingroup		N plusorminus
N btex		N primarybinary
N capsule		N primarydef
N colon		N property
N comma		N protection
N controls		N relax
N curl		N repeatloop
N cycle		N rightbrace
N definedmacro		N rightbracket
N delimiters		N rightdelimiter
N endgroup		N runscript
N equals		N save
N etex		N scantokens
N everyjob		N secondarybinary
N exittest		N secondarydef
N expandafter		N semicolon
N fiorelse		N setbounds
N if		N shipout
N input		N show
N interim		N slash
N internal		N step
N iteration		N stop
N leftbrace		N str
N leftbracket		N string
N leftdelimiter		N tag
N let		N tension
N macrodef		N tertiarybinary
N macrospecial		N tertiarydef
N maketext		N thingstoadd
N message		N to
N mode		N typename
N newbytemap		N unary

N undefinedcs		gettolerance	function
N until		graphic	function
N void		graphic_base_pass	function
N with		hascurvature	function
N within		includesvgbuffer	function
N write		includesvgfile	function
colorinitializer	function	installplugin	function
convert	function	isobject	function
currentmpx	function	knownparameters	table
currentmpxstatus	function	lastlog	string
defaultformat	string	load	function
defaultinstance	string	maketext	function
defaultmethod	string	mesh	function
directrun	function	metafonts	table
escaped	function	metafun	table
exectime	table	F interpolate	
extensiondata	data table	F topath	
filterclippath	function	mptopdf	table
flush	function	F convertmpstopdf	
flushers	table	N nofconverted	
flushnormalpath	function	n	number
fonts	table	newlogger	function
F define		nofruns	number
format_number	function	nofscriptruns	function
format_string	function	nvformat	function
formatnumber	function	pdfliterals	function
getbackendoption	function	pluginactions	function
getbendtolerance	function	popformat	function
getbuffer	function	popscriptrunner	function
getclippath	function	popvariable	function
getextensions	function	popvariables	function
getextradata	function	preparetexttextsdata	function
gethashentries	function	process	function
getinstancebyname	function	processing	function
getinstanceinfo	function	processplugins	function
getinstancenames	function	properties	table
getjobdata	function	pushformat	function
getmovetolerance	function	pushscriptrunner	function
getparameter	function	pushvariable	function
getparameterpreset	function	pushvariables	function
getparameterset	function	quionerror	boolean
getrecord	function	reducetogray	boolean
getstatistics	function	registerdirect	function
gettext	function	registerscript	function

registertokens	function	N mm	
remappedtext	function	N pc	
remaptext	function	N pt	
reporterror	function	N px	
reportsvgfonts	function	svgglyphtomp	function
reset	function	svgshapestomp	function
resetbackendoptions	function	svgshapestopdf	function
resetlastlog	function	svgsplitcolor	function
resetplugins	function	svgtomp	function
run	function	svgtopdf	function
runinternal	function	sxsy	function
runscript	function	tex	table
scanparameters	function	F get	
scriptindex	function	F reset	
setbendtolerance	function	F set	
setbuffer	function	F setfrombuffer	
setextensions	function	texerrors	boolean
setlogging	function	texexp	function
setmovetolerance	function	theclippath	function
setoutercolor	function	tographic	function
setparameter	function	totable	function
setparameterset	function	types	table
setrecord	function	N boolean	
settext	function	N cmykcolor	
settolerance	function	N color	
setvariable	function	N dependent	
showlog	boolean	N independent	
showsvgpage	function	N known	
simple	function	N nep	
splitprescript	function	N numeric	
startgraphic	function	N pair	
startsvghashing	function	N path	
stopgraphic	function	N pen	
stopsvghashing	function	N picture	
svformat	function	N protodependent	
svgcachefile	boolean	N string	
svgcolorremapper	function	N structured	
svgfactors	table	N suffixedmacro	
N %		N tokenlist	
N bp		N transform	
N cm		N unknownboolean	
N em		N unknownnep	
N ex		N unknownpath	
N in		N unknownpen	

N unknownpicture	typesvgpage	function
N unknownstring	unload	function
N unsuffixedmacro	untagvariable	function
N vacuous	variables	table

mime (context)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

report function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

autoinject	function	flatten	function
aux	function	flush	function
F boolean		format	function
F color		formatted	function
F direct		fprint	function
F draw		get	table
F fill		F hashentry	
F flush		getbytemap	function
F fprint		getbytemapdata	function
F integer		getlastaddtype	function
F number		graphformat	function
F numeric		inject	function
F pair		F boolean	
F pairpoints		F cmykcolor	
F path		F color	
F pathpoints		F integer	
F points		F number	
F print		F numeric	
F quadruple		F pair	
F quadruplepoints		F path	
F quoted		F pt	
F size		F quadruplet	
F string		F string	
F transform		F transform	
F triplet		F triplet	
F tripletpoints		F vector	
F vprint		F vectors	
boolean	function	F whatever	
bytemap_load_from_file	function	F whd	
cleaned	function	F xy	
color	function	integer	function
dataset	function	lmt_color_functions	table
datasets	function	F shade	
F load		F step	
direct	function	lmt_contours_bitmap_get	function
downgradebytemap	function	lmt_contours_bitmap_set	function
downsamplebytemap	function	lmt_contours_cleanup	function
draw	function	lmt_contours_color	function
expandtex	function	lmt_contours_edge_get_band	function
fill	function	lmt_contours_edge_get_cell	function
fillbytemap	function	lmt_contours_edge_paths	function

lmt_contours_edge_set	function	loadbytemap	function
lmt_contours_edge_set_by_band	function	loadbytemapfile	function
lmt_contours_edge_set_by_cell	function	mesh_register	function
lmt_contours_format	function	mf_blob_add	function
lmt_contours_function	function	mf_blob_dimensions	function
lmt_contours_maxmean	function	mf_blob_index	function
lmt_contours_maxz	function	mf_blob_new	function
lmt_contours_minmean	function	mf_blob_raw_content	function
lmt_contours_minz	function	mf_blob_raw_dimensions	function
lmt_contours_nofvalues	function	mf_blob_raw_reset	function
lmt_contours_nx	function	mf_blob_raw_toutf	function
lmt_contours_ny	function	mf_blob_raw_wipe	function
lmt_contours_range	function	mf_blob_size	function
lmt_contours_shade_paths	function	mf_blob_width	function
lmt_contours_shade_set	function	mf_external_figure	function
lmt_contours_shape_paths	function	mf_finish_saving_data	function
lmt_contours_start	function	mf_formatted_text	function
lmt_contours_stop	function	mf_get_outline_text	function
lmt_contours_value	function	mf_graphic_text	function
lmt_contours_xrange	function	mf_inject_blob	function
lmt_contours_yrange	function	mf_map_move	function
lmt_function_x	function	mf_map_text	function
lmt_glyphshape_accent	function	mf_named_color	function
lmt_glyphshape_baseline	function	mf_outline_text	function
lmt_glyphshape_boundingbox	function	mf_save_data	function
lmt_glyphshape_depth	function	mf_script_index	function
lmt_glyphshape_height	function	mf_start_saving_data	function
lmt_glyphshape_italic	function	mf_stop_saving_data	function
lmt_glyphshape_llx	function	mode	function
lmt_glyphshape_n	function	n	function
lmt_glyphshape_path	function	newbytemap	function
lmt_glyphshape_start	function	number	function
lmt_glyphshape_stop	function	numeric	function
lmt_glyphshape_usedbox	function	pair	function
lmt_glyphshape_usedline	function	pairpoints	function
lmt_glyphshape_width	function	path	function
lmt_mesh_set	function	pathpoints	function
lmt_mesh_update	function	points	function
lmt_poisson_generate	function	print	function
lmt_start_potrace	function	F boolean	
lmt_step_potrace	function	F color	
lmt_stop_potrace	function	F direct	
lmt_surface_do	function	F draw	
lmt_svg_include	function	F fill	

F flush		F color	
F fprintf		F expression	
F integer		F integer	
F number		F next	
F numeric		F number	
F pair		F numeric	
F pairpoints		F pair	
F path		F path	
F pathpoints		F pen	
F points		F property	
F print		F string	
F quadruple		F symbol	
F quadruplepoints		F token	
F quoted		F transform	
F size		F whatever	
F string		set	table
F transform		setbytemap	function
F triplet		setbytemapoctave	function
F tripletpoints		size	function
F vprint		skip	table
processbytemap	function	F token	
processingmode	function	solve	function
quadruple	function	string	function
quadruplepoints	function	systemmode	function
quoted	function	transform	function
report	function	triplet	function
scan	table	tripletpoints	function
F boolean		vprint	function
F cmykcolor			

mplib (extra tex)

downgradebyte	function	injectnumber	function
downsamplebyte	function	injectnumeric	function
execute	function	injectpair	function
expandtex	function	injectpath	function
fillbyte	function	injectstring	function
finder	function	injecttransform	function
finders	table	injectvector	function
F file		injectvectors	function
F mpstemplate		injectwhatever	function
finish	function	new	overloaded function
getbyte	function	newbyte	function
getbyte	function	peninfo	function
getcallback	function	processbyte	function
getcodes	function	propertycodes	table
getcolormodels	function	realtime	boolean
getfields	function	scanboolean	function
gethashentries	function	scancmykcolor	function
gethashentry	function	scancolor	function
getinternalactions	function	scanexpression	function
getknotstates	function	scaninteger	function
getlastadddtype	function	scannext	function
getlogtargets	function	scannumber	function
getobjectdata	function	scannumeric	function
getobjectpeninfo	function	scanpair	function
getobjectstacking	function	scanpath	function
getobjecttypes	function	scanpen	function
getresultstatus	function	scanproperty	function
getscantypes	function	scanstring	function
getstates	function	scansymbol	function
getstatistics	function	scantoken	function
getstatus	function	scantransform	function
gettolerance	function	setbyte	function
gettype	function	setbyte	function
gettypes	function	settolerance	function
injectboolean	function	showcontext	function
injectcmykcolor	function	skiptoken	function
injectcolor	function	solvepath	function
injectinteger	function	version	function

nanojpeg (context)

decode function

noads (context)

getmathmode	function		F relocate
handlers	table		F render
F alternates			F showtree
F autofences			F snap
F classes			F spacing
F collapse			F suspicious
F dictionaries			F tags
F export			F unscript
F families			F unstack
F fencing			F variants
F intervals		process	function
F kernpairs		processnested	function
F makeup		processors	table
F normalize		processouter	function
F numbers			

node (basic tex)

checkdiscretionaries	function	F getanchors
checkdiscretionary	function	F getattribute
copy	function	F getattributelist
copylist	function	F getattributes
count	function	F getboth
currentattributes	function	F getbottom
dimensions	function	F getbottomdelimiter
direct	table	F getbox
F addmargins		F getcachestate
F addxoffset		F getchar
F addxymargins		F getchardict
F addyoffset		F getcharspec
F appendaftertail		F getchoice
F appendcurrenttail		F getclass
F beginofmath		F getcontrol
F checkdiscretionaries		F getcornerkerns
F checkdiscretionary		F getcurrenttail
F collapsing		F getdata
F copy		F getdegree
F copylist		F getdelimiter
F copyonly		F getdenominator
F count		F getdepth
F currentattributes		F getdirection
F dimensions		F getdisc
F effectiveglue		F getdiscpart
F endofmath		F getexcept
F exchange		F getexpansion
F fields		F getfam
F findattribute		F getfield
F findattributerange		F getfielderror
F findnode		F getfirstdirectioninlist
F firstchar		F getfont
F firstglyph		F getfontcheck
F firstglyphnode		F getgeometry
F firstitalicglyph		F getglue
F flattendiscretionaries		F getglyphdata
F flattenleaders		F getglyphdimensions
F flushlist		F getheight
F flushnode		F getid
F free		F getidsubtype
F freeze		F getidsubtypenext

F getindex	F gettopdelimiter
F getinputfields	F gettotal
F getkern	F getusage
F getkerndimension	F getusedattributes
F getlanguage	F getweight
F getleader	F getwhd
F getleftdelimiter	F getwidth
F getlist	F getwordrange
F getlistdimensions	F getxscale
F getmvlolist	F getxyscales
F getnext	F getsyscale
F getnodeerrorvalues	F gluetostring
F getnodes	F hasattribute
F getnormalizedline	F hasdimensions
F getnucleus	F hasdiscoption
F getnumerator	F hasfield
F getoffsets	F hasgeometry
F getoptions	F hasglyph
F getorientation	F hasglyphoption
F getparstate	F hasidsubtype
F getpenalty	F hasusage
F getpost	F hpack
F getpre	F hyphenating
F getprev	F id
F getprime	F ignoremathskip
F getpropertystable	F insertafter
F getproperty	F insertbefore
F getreplace	F insertcurrenthead
F getrightdelimiter	F isboth
F getruledimensions	F ischar
F getscale	F ischarcheck
F getscales	F isdirect
F getscrip	F isfontcheck
F getscripts	F isglyph
F getshift	F isitalicglyph
F getslant	F isloop
F getspeciallist	F isnext
F getstate	F isnextchar
F getsub	F isnextcharcheck
F getsubpre	F isnextglyph
F getsubtype	F isnode
F getsup	F isprev
F getsuppre	F isprevchar
F gettop	F isprevcharcheck

F isprevglyph
F issimilarglyph
F isspeciallist
F isvalid
F iszeroglue
F kerning
F lastnode
F length
F ligaturing
F makeextensible
F migrate
F mlisttohtml
F naturalhsize
F naturalwidth
F new
F newcontinuationatom
F newfontcheck
F newmathglyph
F newtextglyph
F patchattributes
F patchparshape
F prependbeforehead
F prependcurrenttail
F protectglyph
F protectglyphs
F protectglyphsbase
F protectglyphsnone
F protrusionskippable
F rangedimensions
F remove
F removefromlist
F repack
F reverse
F samefontcheck
F serialized
F setanchors
F setattribute
F setattributelist
F setattributes
F setattributesinlist
F setboth
F setbottom
F setbottomdelimiter
F setbox

F setchar
F setchardict
F setchoice
F setclass
F setcontrol
F setcurrenttail
F setdata
F setdegree
F setdelimiter
F setdenominator
F setdepth
F setdirection
F setdisc
F setdiscpart
F setexcept
F setexpansion
F setfam
F setfield
F setfielderror
F setfont
F setfontcheck
F setgeometry
F setglue
F setglyphdata
F setheight
F setindex
F setinputfields
F setkern
F setlanguage
F setleader
F setleftdelimiter
F setlink
F setlist
F setnext
F setnucleus
F setnumerator
F setoffsets
F setoptions
F setorientation
F setpenalty
F setpost
F setpre
F setprev
F setprime

F setproperty
 F setreplace
 F setrightdelimiter
 F setruledimensions
 F setscale
 F setscales
 F setscript
 F setscripts
 F setshift
 F setslant
 F setspeciallist
 F setsplit
 F setstate
 F setsub
 F setsubpre
 F setsubtype
 F setup
 F setsuppre
 F settop
 F settopdelimiter
 F settotal
 F setweight
 F setwhd
 F setwidth
 F show
 F size
 F slide
 F softenhyphens
 F startofpar
 F subtypes
 F tail
 F todirect
 F tonode
 F toString
 F tovaliddirect
 F traverse
 F traversechar
 F traversecontent
 F traverseglyph
 F traverseid
 F traverseitalic
 F traverseleader
 F traverselist
 F traversepossible

F type
 F types
 F unprotectglyph
 F unprotectglyphs
 F unsetattribute
 F unsetattributes
 F updatefirstandbotmark
 F updatefirstmarks
 F updatemarks
 F updatetopmarks
 F usedlist
 F usesfont
 F vbalance
 F verticalbreak
 F vpack
 F write
 F xscaled
 F yscaled

effectiveglue	function
endofmath	function
family_font	function
fields	function
findattribute	function
flattendiscretionaries	function
flushlist	function
flushnode	function
free	function
getattribute	function
getcachestate	function
getfield	function
getfielderror	function
getglue	function
getnodeerrorvalues	function
getpropertystable	function
getproperty	function
gluetostring	function
hasattribute	function
hasfield	function
hasglyph	function
hpack	function
hyphenating	function
id	function
insertafter	function
insertbefore	function

instock	function	setglue	function
intracking	function	setproperty	function
inuse	function	show	function
isnode	function	size	function
iszeroglue	function	slide	function
kerning	function	subtypes	function
lastnode	function	tail	function
length	function	todirect	function
ligaturing	function	tonode	function
makeextensible	function	tostring	function
mlisttohlist	function	traverse	function
new	function	traverseid	function
protectglyph	function	type	function
protectglyphs	function	types	function
protrusionskipable	function	unprotectglyph	function
rangedimensions	function	unprotectglyphs	function
remove	function	unsetattribute	function
serialized	function	usedlist	function
setattribute	function	usesfont	function
setfield	function	vpack	function
setfielderror	function	write	function

nodes (context)

accentcodes	data table	fencecodes	data table
adaptive	table	fields	function
F handlehorizontal		fieldtypes	table
F handlevertical		fillcodes	data table
F set		fillvalues	data table
aligned	function	firstdirinbox	function
append	function	flush	function
apply	function	flushlist	function
applyvisuals	function	flushnode	function
astable	function	fractioncodes	data table
basepoints	function	fullhpack	function
boundarycodes	data table	getattr	function
boxes	table	getattribute	function
F count		getboth	function
F dimensions		getbox	function
F direct		getchar	function
F dispose		getfield	function
F found		getfont	function
F prune		getid	function
F reset		getleader	function
F restore		getlist	function
F save		getnext	function
F savenode		getprev	function
builders	table	getproperty	function
choicecodes	data table	getsubtype	function
concat	function	gluecodes	data table
copy	function	glyphcodes	data table
copy_node	function	handlers	table
copylist	function	F adjusters	
countall	function	F aligncharacter	
currentattributes	function	F backgrounds	
delete	function	F backgroundspace	
destinations	table	F backgroundsvbox	
N attribute		F characters	
F handler		F checkglyphs	
dircodes	data table	F checkparcounter	
directioncodes	data table	F cleanupbox	
directionvalues	data table	F cleanuppage	
dirvalues	data table	F export	
disccodes	data table	F finalizebox	
discretionarycodes	data table	F finalizelist	

F flatten		is_display_math	function
F flattenline		isdirect	function
F mathalignrelocate		isnode	function
F mathmatrixornaments		isnut	function
F mathmatrixrules		kerncodes	data table
F migrate		leftmarginwidth	function
F protectglyphs		linefillers	table
F recolor		F filler	
F show		F handler	
F showhyphenation		F set	
F showpreamble		lines	table
F stripping		D data	
F tabulateskip		F finalize	
F textbackgrounds		F number	
F unprotectglyphs		link	function
F visualizehyphenation		linked	function
F wipe		list	function
hasattribute	function	listcodes	data table
hasfield	function	listtoutf	function
hpack	function	literalvalues	data table
idsandsubtypes	function	locate	function
idstostring	function	markcodes	data table
injections	table	markers	table
F copy		F get	
F getligaindex		F set	
F getthreshold		mathcodes	data table
F handler		mathvalues	data table
F installgetspaceboth		maxboxwidth	function
F installnewkern		migrations	table
F isspace		F setinserts	
F keepcounts		F setmarks	
F reset		new	function
F resetcounts		noadcodes	data table
F setcursive		nodecodes	data table
F setkern		nopts	function
F setligaindex		nuts	table
F setmark		F addmargins	
F setmove		F addxoffset	
F setposition		F addxymargins	
F setspacekerns		F addyoffset	
insertafter	function	F append	
insertbefore	function	F appendaftertail	
insertlistafter	function	F apply	
installattributehandler	function	F applyvisuals	

F beginofmath	F getbottom
F checkdiscretionaries	F getbottomdelimiter
F checkdiscretionary	F getbox
F checkslide	F getboxglue
F collapsing	F getchar
F concat	F getchardict
F copy	F getcharspec
F copy_properties	F getchoice
F copylist	F getclass
F copynode	F getcomponents
F copyonly	F getcornerkerns
F copyvisual	F getdata
F count	F getdegree
F countall	F getdelimiter
F currentattributes	F getdenominator
F delete	F getdepth
F dimensions	F getdirection
F dirdimensions	F getdisc
F effectiveglue	F getdiscpart
F endofmath	F getdiscretionary
F exchange	F getexcept
F findattribute	F getexpansion
F findattributerange	F getfam
F findnode	F getfield
F firstchar	F getfirstdirectioninlist
F firstglyph	F getfont
F firstglyphnode	F getgeometry
F firstitalicglyph	F getglue
F flattendiscretionaries	F getglyphdata
F flattenleaders	F getglyphdimensions
F flush	F getheight
F flushlist	F getid
F flushnode	F getidsubtype
F free	F getidsubtypenext
F freeze	F getindex
F fullhpack	F getinputfields
F getanchors	F getkern
F getattr	F getkerndimension
F getattribute	F getlang
F getattributelist	F getlanguage
F getattributes	F getleader
F getattrlist	F getleftdelimiter
F getattrs	F getlist
F getboth	F getlistdimensions

F getmiddle
F getmiddledelimiter
F getmvlolist
F getnext
F getnormalizedline
F getnucleus
F getnumerator
F getoffsets
F getoptions
F getorientation
F getparstate
F getpenalty
F getpost
F getpre
F getprev
F getprime
F getprop
F getreplace
F getrightdelimiter
F getruledata
F getruledimensions
F getscale
F getscales
F getscrip
F getscripts
F getshift
F getslant
F getspeciallist
F getstate
F getsub
F getsubpre
F getsubtype
F getsup
F getsuppre
F getsurround
F gettop
F gettopdelimiter
F gettotal
F getusedattributes
F getvalue
F getweight
F getwhd
F getwidth
F getwordrange

F getxscale
F getxyscales
F getyscale
F gluetostring
F hasattribute
F hasdimensions
F hasdiscoption
F hasfield
F hasgeometry
F hasglyph
F hasglyphoption
F hasidsubtype
F hpack
F hyphenating
F ignoremathskip
F insertafter
F insertbefore
F insertlistafter
F is_display_math
F isboth
F ischar
F isdirect
F isdone
F isglyph
F isitalicglyph
F isnext
F isnextchar
F isnextglyph
F isnode
F isnut
F isprev
F isprevchar
F isprevglyph
F issimilarglyph
F iszeroglue
F kerning
F lastnode
F length
F ligaturing
F link
F linked
F locate
F migrate
F migratebox

F mlisttohist	F setchardict
F naturalhsize	F setchoice
F naturalwidth	F setclass
F nestedtracedslide	F setcomponents
F new	F setdata
F newcontinuationatom	F setdegree
F newmathglyph	F setdelimiter
F openup	F setdenominator
F patchattributes	F setdepth
F patchparshape	F setdirection
F prepend	F setdisc
F prependbeforehead	F setdiscpart
F processranges	F setdiscretionary
F processwords	F setexcept
F protectglyph	F setexpansion
F protectglyphs	F setfam
F protectglyphsbase	F setfield
F protectglyphsnone	F setfont
F protrusionskipable	F setgeometry
F rangedimensions	F setglue
F rawprop	F setglyphdata
F reference	F setheight
F rehpack	F setinputfields
F remove	F setkern
F removefromlist	F setlang
F repack	F setlanguage
F repackhlist	F setleader
F replace	F setleftdelimiter
F reverse	F setlink
F serialized	F setlist
F setanchors	F setmiddledelimiter
F setattr	F setnext
F setattribute	F setnucleus
F setattributelist	F setnumerator
F setattributes	F setoffsets
F setattributesinlist	F setoptions
F setattrlist	F setorientation
F setattrs	F setparproperty
F setattrslist	F setpenalty
F setboth	F setpost
F setbottom	F setpre
F setbox	F setprev
F setboxglue	F setprime
F setchar	F setprop

F setreplace
 F setrightdelimiter
 F setruledata
 F setruledimensions
 F setscale
 F setscales
 F setscript
 F setscripts
 F setshift
 F setslant
 F setspeciallist
 F setsplit
 F setstate
 F setsub
 F setsubpre
 F setsubtype
 F setup
 F setsuppre
 F setsurround
 F settop
 F setvalue
 F setvisual
 F setvisuals
 F setweight
 F setwhd
 F setwidth
 F show
 F slide
 F softenhyphens
 F somepenalty
 F somespace
 F splitbox
 F startofpar
 F striprange
 F tail
 F takeattr
 F takebox
 F takelist
 F theprop
 F tonode
 F tonodes
 F tonut
 F tosequence
 F tostring

F tracedslide
 F traverse
 F traverseeach
 F traversecontent
 F traverseglyph
 F traverseid
 F traverseitalic
 F traverseleader
 F traverselist
 F traversepossible
 F unprotectglyph
 F unprotectglyphs
 F unsetattribute
 F unsetattributes
 F untracedslide
 F updatefirstandbotmark
 F updatefirstmarks
 F updatemarks
 F updatetopmarks
 F usedlist
 F usesfont
 F verticalbreak
 F vianodes
 F vianuts
 F vpack
 F write
 F xscaled
 F yscaled

packlist

parcodes

penaltycodes

plugindata

F finalizer
 F initializer
 S name
 F processor

points

pool

F baselineskip
 F cleanup
 F directliteral
 F glyph
 F hlist
 F latelua

function

data table

data table

table

function

table

F leader		setboxtonaturalwd	function
F lineskip		setchar	function
F literal		setfield	function
F originliteral		setfont	function
F register		setleader	function
F restore		setlink	function
F save		setlist	function
F savepos		setnext	function
F setmatrix		setprev	function
F stock		setproperty	function
F usage		shadows	table
F usernode		F handler	
F vlist		F set	
prepend	function	shifts	table
print	function	F handler	
processors	table	F set	
F trace_glyph_run_a		showboxes	function
F trace_glyph_run_b		showlist	function
properties	table	showsimplelist	function
pts	function	skipcodes	data table
radicalcodes	data table	snapshots	table
references	table	F getsamples	
N attribute		F resetsamples	
F handler		F takesample	
rehpack	function	somepenalty	function
remove	function	somespace	function
repackhlist	function	specialskipcodes	table
replace	function	splitbox	function
report	function	startofpar	function
rightmarginwidth	function	stripdiscretionaries	function
rulecodes	data table	stripping	table
rules	table	F set	
F handler		subtypes	data table
F process		tail	function
F set		takeattr	function
F userrule		takebox	function
serialize	function	tasks	table
serializebox	function	F actions	
serialized	function	F appendaction	
setattr	function	F disableaction	
setattribute	function	F disablegroup	
setattrlist	function	F enableaction	
setboth	function	F enablegroup	
setbox	function	F freeze	

F freezegroup		F stop	
F new		traverse	function
F prependaction		traverseid	function
F removeaction		typesetters	table
F replaceaction		F hbox	
F restart		F hpack	
F setaction		F tohbox	
F showactions		F tohpack	
F table		F tonodes	
tobasepoints	function	F tovbox	
tocentimeters	function	F tovpack	
tociceros	function	F vpack	
todidots	function	unsetattribute	function
todimen	function	upcomingproperties	function
toinches	function	usedlist	function
tomillimeters	function	vianodes	function
tonode	function	vianuts	function
tonodes	function	visualizebox	function
tonut	function	visualizers	table
topicsas	function	F attribute	
topoints	function	F box	
toscaledpoints	function	F definelayer	
tosequence	function	F enable	
tostring	function	F getusedfont	
totable	function	F handler	
totree	function	F markfonts	
toutf	function	F register	
tracers	table	F registercache	
F directions		F setfont	
F fontchar		F setlayer	
F resetproperties		F setruledglyph	
F rule		F setvisual	
F setlist		vpack	function
F setproperties		whatsitcodes	data table
F start		write	function

number (context)

	function
basepoints	function
bytetodecimal	function
compactfloat	function
decimaltobyte	function
dimenfactors	data table
formatted	function
formattedfloat	function
fractiontobyte	function
idiv	function
maxdimen	number
nopts	function
nubasepoints	function
nupoints	function
percent	function
points	function
pts	function
signed	function
sparseexponent	function
splitdimen	function

tol6dot16	function
tobasepoints	function
tobitstring	function
tocentimeters	function
toxiceros	function
tocontext	function
todidots	function
todimen	function
toediths	function
toevenhex	function
toinches	function
tomillimeters	function
tonumberf	function
tonumberg	function
topicas	function
topoints	function
toscaled	function
toscaledpoints	function
totoves	function
valid	function

objects (context)

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

optional (context)

curl table

F escape
F fetch
F getversion
F initialize
F unescape

foreign table

F abivalues
F getbuffer
F initialize
F load
F newbuffer
F totable
F types

ghostscript table

F execute
F initialize

graphicsmagick table

F execute
F getnoisetypes
F initialize

hb table

F getshapers
F getversion
F initialize
F loadfont
F shapestring

imagemagick table

F execute
F initialize

kpse table

F expand_braces
F expand_path
F expand_var
F find_file
F find_files
F get_file_types
F initialize
F readable_file
F set_program_name
F var_value

library table

F load

loaded table

lz4 table

F compress
F decompresssize
F framecompress
F framedecompress
F initialize

lzma table

F compress
F decompress
F initialize

lzo table

F compress
F decompresssize
F initialize

mujs table

F dofile
F execute
F initialize
F reset
F setclosefile
F setconsole
F setfindfile
F setopenfile
F setreadfile
F setseekfile

mysql table

F close
F execute
F getmessage
F initialize
F open

openssl table

F getversion
F initialize
F sign
F verify

postgres table

F close

F execute		F open	
F getmessage		zint	table
F initialize		F execute	
F open		F initialize	
sqlite	table	zstd	table
F close		F compress	
F execute		F decompress	
F getmessage		F initialize	
F initialize			

os (basic lua)

__getenv__	function	platform	string
__setenv__	function	remove	overloaded function
binsuffix	string	rename	overloaded function
binsuffixes	table	resultof	function
bits	number	runtime	function
clock	function	selfarg	table
converttime	function	selfbin	string
date	overloaded function	selfcore	string
difftime	function	selfdir	string
enableansi	function	selflink	string
env	data table	selfname	string
execute	overloaded function	selfpath	string
exit	overloaded function	serialwrite	function
fulltime	function	setenv	overloaded function
getcodepage	function	setexitcode	function
getenv	overloaded function	setlocale	overloaded function
getnamevalues	function	sleep	function
gettimeofday	function	startuptime	function
gettypevalues	function	time	function
getunamefields	function	timezone	function
isleapyear	function	tmpname	function
launch	function	today	function
libsuffix	string	type	string
localtime	function	uname	function
name	string	uuid	function
newline	string	validdatetime	function
nofdays	function	weekday	function
now	function	where	function
pipeto	function	which	function

package (basic lua)

config	string	loadlib	function
cpath	string	luapaths	function
extralibpath	function	path	string
extralibpaths	function	poplibpath	function
extralupath	function	popluapath	function
extralupaths	function	preload	table
helpers	table	pushlibpath	function
libpaths	function	pushluapath	function
loaded	table	searchers	table
loaders	table	searchpath	function

pagebuilders (context)

columnsets table

F add
F addmvl
F block
F blockrows
F check
F clean
F define
F definesub
F delayedsheet
F finishflush
F flushareas
F flushcolumn
F goto
F gotoslot
F limit
F noto
F prepareflush
F presetsheets
F presetspreadsheets
F put
F putdirect
F registerarea
F registersheet
F registerspreadsheets
F reset
F resetdirect

F reshape
F setarea
F setextra
F sethsize
F sethspace
F setlines
F setmvl
F setpresent
F setproperties
F setstart
F shape
F showshape
F state
F status
F submvl
F submvlbalance

injections table

F flushafter
F flushbefore
F save

mixedcolumns table

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

pdf (context)

immediateobj function

pdf (extra tex)

arraytotable	function
close	function
closestream	function
dictionarytotable	function
getarray	function
getboolean	function
getbox	function
getcatalag	function
getdictionary	function
getencodingvalues	function
getfieldtypes	function
getfromarray	function
getfromdictionary	function
getfromobject	function
getfromreference	function
getfromstream	function
getinfo	function
getinteger	function
getmemoryusage	function
getname	function
getnofobjects	function
getnofpages	function

getnumber	function
getobjectrange	function
getpage	function
getpages	function
getpermissions	function
getsize	function
getstatus	function
getstatusvalues	function
getstream	function
getstring	function
gettrailer	function
getversion	function
new	function
open	function
openfile	function
openstream	function
pagestotable	function
readfromstream	function
readwholestream	function
type	function
unencrypt	function

physics (context)

units table

F registershortcut

F registerunit

D tables

pngdecode (extra tex)

applyfilter function

expand function

interlace function

makemask function

reduce function

splitmask function

tocmyk function

tomask function

posit (extra lua)

NaN	function	exp2	function
NaR	function	expand	function
__add	function	floor	function
__band	function	frombyte	function
__bor	function	fromchar	function
__bxor	function	fromposit	function
__div	function	integer	function
__eq	function	log	function
__le	function	log10	function
__lt	function	log1p	function
__mul	function	log2	function
__name	string	logb	function
__pow	function	max	function
__shl	function	min	function
__shr	function	modf	function
__sub	function	new	function
__tostring	function	pow	function
__unm	function	rotate	function
abs	function	round	function
acos	function	rounded	function
asin	function	shift	function
atan	function	sin	function
band	function	sqrt	function
bor	function	tan	function
bxor	function	tobyte	function
ceil	function	tochar	function
conj	function	tonumber	function
copy	function	toposit	function
cos	function	tostring	function
exp	function		

potrace (extra tex)

checked	function
concat	function
contourplot	function
convert	function
count	function
flush	function
free	function
fromfile	function
getbitmap	function

getnewfields	function
getpolicyvalues	function
getprocessfields	function
new	function
process	function
setbitmap	function
stripped	function
totable	function
trace	function

publications (context)

addtexentry	function	concatstate	function
analyze	function	converttoxml	function
anywhere	function	currentspecification	table
authorcache	data table	S author	
authorcollapsers	data table	S comment	
authorhashers	table	S copyright	
F invertedshort		S name	
F normal		S version	
F normalinverted		D virtual	
F normalshort		datasets	table
F sequential		detailed	table
F sequentialshort		endnotes_to_btx	function
F short		enhancer	table
authormap	data table	S arguments	
authortoregister	function	B dirty	
btx	table	N steps	
casters	table	enhancers	table
F author		F details	
F keyword		F order	
F pagenumber		F suffixes	
F range		finder	function
checkeddataset	function	firstofrange	function
citevariants	table	found	function
F author		get	function
F authornum		getcasted	function
F authoryear		getdetail	function
F authoryears		getdirect	function
F category		getfaster	function
F default		getfield	function
F entry		getfuzzy	function
F index		getindex	function
F keywords		inspectors	data table
F num		journals	table
F page		F abbreviated	
F short		F add	
F tag		F expanded	
F textnum		F load	
F year		F save	
collected	data table	lastofrange	function
components	table	lists	table
F author		F collectentries	

F combiinlist		F xml	
F fetchentries		search	function
F filterall		setcategory	function
F flushcombi		setspecification	function
F flushentry		singularorplural	function
F flushtag		sortedentries	function
F nofregistered		sortmethods	table
F prepareentries		specifications	table
F register		splitauthor	function
F sameasprevious		splitoneauthor	function
F uservariable		statistics	table
listvariants	table	N nofbytes	
F default		N nofdatasets	
F index		N nofdefinitions	
F num		N nofshortcuts	
F short		tables	table
F tag		D implicits	
load	function	D origins	
loadbibdata	function	D privates	
loaddefinitionfile	function	D sets	
loaders	table	D specials	
F bbl		D types	
F bib		D virtuals	
F buffer		tags	function
F endnote		tracers	table
F json		F showdatasetauthors	
F lua		F showdatasetcompleteness	
F refman		F showdatasetfields	
F registercleaner		F showentry	
F xml		F showfields	
loadreplacementfile	function	F showhashedauthors	
meanings	table	F showtables	
new	function	F showvariants	
okay	function	typesetters	table
oneorange	function	F author	
parenttag	function	F string	
permitted	function	usedataset	function
prerollcmdstring	function	usedentries	function
refman_to_btx	function	writers	table
resolvedname	function	F author	
save	function	F keyword	
savers	table	F pagenumber	
F bib		F range	
F lua			

qrcodegen (context)

bitmap function

generate function

regimes (context)

backmapping	data table
cleanup	function
disable	function
enable	function
fromregime	function
list	function

mapping	data table
pop	function
process	function
push	function
toregime	function
translate	function

resolvers (context)

allprefixes	function	findfiles	function
appendhash	function	findgivenfile	function
automount	function	findgivenfiles	function
booleanvariable	function	findlib	function
cacheversion	string	findpath	function
checkedvariable	function	findpk	function
cleanedpathlist	function	findtexfile	function
cleaners	data table	findwildcardfile	function
cleanpath	function	findwildcardfiles	function
cleanpathlist	function	formatofsuffix	function
cleanupbinfile	function	formatofvariable	function
concatinators	data table	formats	data table
configbanner	string	foundintree	function
configurationfiles	function	foundintrees	function
dangerous	data table	generators	data table
datastate	function	get_from_content	function
decompressors	table	getenv	function
F register		getextrapaths	function
F unregister		getfilehashes	function
defaultsuffixes	table	gethashes	function
dirstatus	function	getownpath	function
dowithfilesandreport	function	getreadfilename	function
dowithfilesintree	function	hashers	data table
dowithpath	function	homedir	string
dowithvariable	function	ignorelibrary	function
executers	table	initialized	function
expandbraces	function	installinputfilehandler	function
expandedpathfromlist	function	installinputlinehandler	function
expandedpathlist	function	jobpath	function
expandedpathlistfromvariable	function	jobs	table
expandpath	function	F collectstructure	
expandpathfromvariable	function	F currentcomponent	
expansion	function	F currentenvironment	
extendtexmfvariable	function	F currentproduct	
filtered_from_content	function	F currentproject	
find_file	function	F currentstructure	
find_files	function	F justacomponent	
findbinfile	function	F namelist	
findctxfile	function	D processors	
finders	data table	F productcomponent	
findfile	function	F usefile	

joinpath	function	registerfile	function
knownvariables	function	registerfilehash	function
libraries	table	registerintrees	function
F optionalloaded		registermethod	function
F validoptional		registerzipfile	function
load	function	relations	data table
loadbinfile	function	renew	function
loaders	data table	renewcache	function
loadlualib	function	repath	function
loadtexfile	function	reset	function
loadtime	function	resetextrapaths	function
locateformat	function	resetresolve	function
locators	data table	resolve	function
luacnffallback	string	savers	data table
luacnfname	string	scandata	function
luacnfspec	string	scanfiles	function
luacnfstate	string	schemes	table
macros	table	F cleanname	
F convertfile		F fetchstring	
F decodecomment		F fetchtable	
F enablecomment		F install	
F encodecomment		setdynamic	function
F preprocessed		setenv	function
F processmk		showpath	function
F processmklx		simplescanfiles	function
F processmkvi		splitconfigurationpath	function
F version		splitexpansions	function
maxreadlevel	number	splitmethod	function
methodhandler	function	splitpath	function
missinglibrary	function	stackpath	function
openbinfile	function	starttiming	function
openers	data table	stoptiming	function
openfile	function	suffixes	data table
opentexfile	function	suffixmap	data table
ownpath	string	suffixofformat	function
popextrapath	function	texdatablob	function
popinputname	function	toppath	function
poppath	function	tracers	data table
prefixes	data table	unexpandedpath	function
prependhash	function	unexpandedpathlist	function
pushextrapath	function	unresolve	function
pushinputname	function	updaterelations	function
pushpath	function	updatescript	function
registerextrapath	function	uselibrary	function

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

sandbox (context)

blockrequire	function
disablelibraries	function
disablerunners	function
enable	function
filehandlerone	function
filehandlertwo	function
finalizer	function
getrunner	function
initializer	function
iohandler	function
logcalls	function
logfiles	function
original	function
overload	function

possiblepath	function
redefine	function
register	function
registerbinary	function
registerlibrary	function
registerroot	function
registerrunner	function
report	function
setfilenamelogger	function
setlogger	function
setreporter	function
settrace	function
validfilename	function

scripts (context)

autofontfeature table

F disable
F enable
F handler

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

getdata function

getinjector function

getsplitter function

getstatus function

handlers data table

helpers data table

injectors data table

inserters table

F nobreakspace_after

F nobreakspace_before

F space_after

F space_before

F zerowidthspace_after

F zerowidthspace_before

installdataset function

installmethod function

numbertodataset data table

numbertohandler data table

reset function

set function

setstatus function

splitters data table

serial (context)

__gc	function
__name	string
__tostring	function
close	function

open	function
send	function
tostring	function
write	function

set (context)

contains function

create function

tolist function

tonumber function

totable function

sha2 (extra lua)

HASH256	function
HASH384	function
HASH512	function
HEX256	function
HEX384	function
HEX512	function
digest256	function
digest384	function
digest512	function

hash256	function
hash384	function
hash512	function
hex256	function
hex384	function
hex512	function
sum256	function
sum384	function
sum512	function

sio (extra lua)

read2dot14	function
readbytes	function
readbytetable	function
readcardinal1	function
readcardinal1le	function
readcardinal2	function
readcardinal2le	function
readcardinal3	function
readcardinal3le	function
readcardinal4	function
readcardinal4le	function
readcardinaltable	function
readcline	function
readcstring	function
readfixed2	function
readfixed4	function
readinteger1	function

readinteger1le	function
readinteger2	function
readinteger2le	function
readinteger3	function
readinteger3le	function
readinteger4	function
readinteger4le	function
readintegertable	function
tocardinal1	function
tocardinal1le	function
tocardinal2	function
tocardinal2le	function
tocardinal3	function
tocardinal3le	function
tocardinal4	function
tocardinal4le	function

socket (extra lua)

BLOCKSIZE	number	sinkt	table
_SETSIZE	number	F close-when-done	
_SOCKETINVALID	number	F default	
bind	function	F http-chunked	
choose	function	F keep-open	
connect	function	skip	function
connect4	function	sleep	function
connect6	function	source	function
dns	table	sourcet	table
F getaddrinfo		F by-length	
F gethostname		F default	
F getnameinfo		F http-chunked	
F tohostname		F until-closed	
F toip		tcp	function
gettime	function	tcp4	function
headers	table	tcp6	function
F lower		tp	table
F normalize		N TIMEOUT	
http	table	F connect	
N TIMEOUT		try	function
S USERAGENT		url	table
F genericform		F absolute	
F open		F build	
F request		F build_path	
newtry	function	F escape	
protect	function	F parse	
report	function	F parse_path	
select	function	F unescape	
sink	function		

sorters (context)

basicsorter function

comparers table

F basic

constants table

S defaultdigits

S defaultlanguage

S defaultmethod

N digitmaximum

N digitoffset

N ignoredoffset

N replacementoffset

definitions data table

firstofsplit function

packch function

packuc function

replacementlist function

setlanguage function

sort function

splitters table

F utf

strip function

tracers data table

update function

sparse (extra lua)

concat	function
get	function
max	function
min	function
new	function

range	function
restore	function
set	function
traverse	function
wipe	function

statistics (context)

benchmarktimer	function	hastiming	function
checkfmtstatus	function	memused	function
currenttime	function	register	function
elapsed	function	resettiming	function
elapsedindeed	function	runtime	function
elapsedseconds	function	savefmtstatus	function
elapseddtime	function	show	function
enable	boolean	showmemory	function
feedback	table	showusage	function
F info		starttiming	function
F processstates		stoptiming	function
F register		threshold	number
F reportstates		timed	function
F setstate		tracefunction	function
formatruntime	function		

status (basic tex)

getbalancestate	function	getluastate	function
getbufferstate	function	getmarkstate	function
getcallbackstate	function	getmvlstate	function
getconstants	function	getneststate	function
geterrorlinestate	function	getnodestate	function
geterrorstate	function	getparameterstate	function
getexpandstate	function	getpoolstate	function
getfilestate	function	getreadstate	function
getfontstate	function	getsavestate	function
gethalferrorlinestate	function	getsparsestate	function
gethashstate	function	getstringstate	function
gethyphenationstate	function	gettexstate	function
getinputstate	function	gettokenstate	function
getinsertstate	function	getwarningstate	function
getlanguagestate	function	iocodes	table
getlinebreakstate	function	list	function
getlookupstate	function	resetmessages	function

storage (context)

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

streams (context)

collect	function
disable	function
enable	function
flush	function
initialize	function

push	function
start	function
stop	function
synchronize	function

string (basic lua)

autodouble	function	optionalquoted	function
autosingle	function	pack	function
booleanstring	function	packrowscolumns	function
byte	function	packsize	function
bytepairs	function	quote	function
bytes	function	quoted	function
bytetable	function	rep	function
char	function	replacenewlines	function
characterpairs	function	reverse	function
characters	function	split	function
checkedsplit	function	splitlines	function
chrtointeger	function	splitup	function
collapsespaces	function	strip	function
containsws	function	sub	function
count	function	texhashed	function
dectointeger	function	texnewlines	function
dump	function	tformat	function
escapedpattern	function	toHEX	function
escapedquotes	function	toboollean	function
f6	function	tobytes	function
find	function	tocontext	function
format	function	todec	function
formatter	function	todimen	function
formatters	function	tohex	function
fullstrip	function	tonodes	function
gmatch	function	topattern	function
gsub	function	totable	function
hashes	table	tounicode16	function
hextocharacters	function	toutf	function
hextointeger	function	toutf16	function
is_boolean	function	toutf32	function
is_empty	function	toutf8	function
itself	function	tracedchar	function
len	function	unescapedquotes	function
limit	function	unpack	function
linetable	function	unquote	function
longtostring	function	unquoted	function
lower	function	upper	function
match	function	utf16toutf8	function
nospaces	function	utfcharacter	function
octtointeger	function	utfcharacters	function

utfcharacter table	function
utflength	function
utfpadd	function
utfpadding	function
utftabletostring	function

utfvalue	function
utfvalues	function
utfvaluetable	function
valid	function
wordsplitter	function

structures (context)

atlocation	function	F reset	
blocks	table	F restart	
D collected		F restore	
F define		F save	
F empty		F set	
F print		F setlevel	
F save		F setoffset	
F select		F setown	
F setstate		F setstate	
D states		F setvalue	
D tobesaved		F subs	
F uservariable		D tobesaved	
bookmarks	table	F value	
F finalize		F way	
F flatten		currentsectionnumber	function
F installhandler		descriptions	table
F merge		documents	table
S method		D data	
F overload		F initialize	
F place		F preset	
F register		F reset	
F setopened		floats	table
F setup		formulas	table
counters	table	helpers	table
F add		F analyze	
F analyze		F formulanumber	
F check		F merged	
D collected		F page	
F compact		F pageofinternal	
F converted		F prefix	
F currentvalue		F prefixlastpage	
D data		F prefixpage	
F define		F simplify	
F first		F title	
F get		F touserdata	
F last		inserts	table
F next		F attach	
F prev		D data	
F previous		F define	
F raw		F detach	
F record		F getdata	

- F getlocation
- F getname
- F getnumber
- F nofdetached
- F setlocation
- F setup
- D stored

itemgroups table

- D collected
- D tobesaved

lists table

- F addto
- F analyze
- F bookmark
- D cached
- D collected
- F discard
- F enhance
- F external
- F filter
- F formulainumber
- F getresult
- F groupindex
- F hasnumberdata
- F haspagedata
- F hastitledata
- F integrate
- F iscached
- D kinds
- F label
- F location
- D names
- F number
- D ordered
- F page
- F popnesting
- F prefix
- F prefixednumber
- F prefixedpage
- F process
- D pushed
- F pushnesting
- F rawnumber
- F rawrealpage

- F rawuserpage
- F realpage
- F reorder
- F reordered
- F savedlistnumber
- F savedlistprefixednumber
- F savedlisttitle
- D sectionblocks
- F size
- F title
- D tobesaved
- F use
- F userdata
- F userpage
- F uservalue

marks table

- F number
- F title

notes table

- F check_spacing
- F checkpagechange
- F define
- F doifonsamepageasprevious
- F flushrange
- F get
- F getdeltapage
- F getinternal
- F getn
- F getstate
- F hascontent
- F internal
- F internalid
- F listindex
- D numbers
- F ordered
- F postpone
- F resetpostponed
- F restore
- F save
- F setstate
- D states
- F store

pages table

- F allmarked

F analyze
D collected
F fraction
F getlabels
F in_body
F is_odd
F mark
F marked
F markedlist
N nopages
F number
F on_right
F save
D tobesaved
F toranges

references

F analyze
F checked
F checkedfile
F checkedfileorurl
F checkedprogram
F checkedrealpage
F checkedurl
D collected
U componentsplitter
F currentmetadata
F currentorder
D currentset
F define
D defined
D derived
F enhance
D executers
F export
F filter
F filterdefault
D filters
D flaginternals
F forceinnermode
F from
D functions
F get
F getcurrentlabel
F getcurrentmetadata

table

F getcurrentprefixspec
F getinnermethod
F getinternalcachedlistreference
F getinternallistreference
F getinternalreference
F getoutermethod
D handlers
F identify
F import
F inject
F injectcurrentset
S innermethod
F integrate
D internals
F load
F loadpresets
F mark
S outermethod
F pagefromhash
D pages
U prefixsplitter
D productdata
F realpageofpage
F referenced
U referencesplitter
D referred
F referredpage
F registerfinalizer
F registerinitializer
F registerpage
F reset
D runners
F set
F setandgetattribute
F setinternalreference
F setlinkmethod
F setnextinternal
F setnextorder
F setreferencerealpage
F setstructure
D specials
F splitcomponent
F splitprefix
F splitreference

F synchronizepage		F getcurrentlevel	
D tobereferred		F getlevel	
D tobesaved		F getnumber	
D tracedpages		F internalreference	
D usedinternals		D levelmap	
D usedviews		D levels	
F valid		F matchingtilldepth	
registers	table	F numberatdepth	
F analyze		F numbers	
D collected		F popblock	
F compare		F prefixedconverted	
F define		F pushblock	
F enhance		F register	
F extend		D registered	
F filter		F reportstructure	
F filtercollected		F save	
F finalize		F set	
F findinternal		F setblock	
F flush		F setchecker	
F get		F setentry	
F integrate		F setinitialblock	
F prepare		F setlevel	
F process		F setnumber	
F setmethod		F showstructure	
F sort		F structuredata	
F store		F title	
D tobesaved		D tobesaved	
F tweak		F typesetnumber	
F unique		F userdata	
F use		B verbose	
F userdata		sets	table
sections	table	F define	
F autodepth		F get	
F cct		F getall	
D collected		D setlist	
F current		specials	table
F currentblock		D collected	
F currentid		F retrieve	
F currentlevel		F store	
F currentsectionindex		D tobesaved	
F depthnumber		synonyms	table
F finddata		F analyzed	
F findnumber		D collected	
F fullnumber		F compare	

F define
F enhance
F filter
F finalize
F flush
F isshown
F isused
F meaning
F pages
F prepare
F process
F register
F registershown
F registerused
F reset
F resetall
F resetlist
F resetshown
F resetused
F sort
F synonym
D tobesaved

tags

F analyze
F checknesting
F current
F elementtag
F enabled
F exportbox
F finishexport
F getdescriptionindex
F getextradata
F getid
F getitemgroup
F getmetadata
F getoption
F getsorting
F getsynonym
F gettablecell
F gettabulatecell
F gettagreferencedescription
F handler
F initializeexport
D labels

table

F last
F lastinchain
F localexport
F locatedtag
D overloads
F pop
D properties
F push
F registerextradata
F registermetadata
F restart
F setaspect
F setattributefield
F setcodepoint
F setcombination
F setcombinationpair
F setconstruct
F setdescriptionindex
F setfigure
F setfloat
F setformulacontent
F sethighlight
F setitem
F setitemgroup
F setmpgraphic
F setnotation
F setnotationsymbol
F setparagraph
F setproperty
F setpublication
F setregister
F setsorting
F setsynonym
F settablecell
F settabulatecell
F settagdelimitedsymbol
F settagsubsentencesymbol
F setupexport
F setuserproperties
D specifications
F start
F stop
F strip
D taglist

table (basic lua)

append	function	pack	function
are_equal	function	prepend	function
combine	function	print	function
compact	function	remove	function
concat	function	reverse	function
contains	function	reversed	function
copy	function	save	function
count	function	sequenced	function
create	function	serialize	function
derive	function	setmetatablecall	function
deserialize	function	setmetatableindex	function
fastcopy	function	setmetatableindices	function
fastserialize	function	setmetatablenewindex	function
filtered	function	sort	function
flattened	function	sorted	function
fromhash	function	sortedhash	function
getn	function	sortedhashkeys	function
has_one_entry	function	sortedhashonly	function
hashed	function	sortedindexonly	function
identical	function	sortedkeys	function
imerge	function	sortedpairs	function
imerged	function	sparse	function
insert	function	strip	function
is_empty	function	sub	function
is_simple_table	function	swapped	function
keys	function	tocontext	function
load	function	tocsv	function
loweredkeys	function	tofile	function
makeweak	function	tohandle	function
merge	function	tohash	function
merged	function	toxml	function
mirrored	function	unique	function
move	function	unpack	function

tex (basic tex)

amcode	table	discoptioncodes	data table
attribute	table	discpartcodes	data table
attributetracking	function	dontcomplain	function
automigrationcodes	data table	doublescriptoptioncodes	data table
autoparagraphcodes	data table	enableprimitives	function
badness	function	error	function
badnessmodecodes	data table	expandasvalue	function
balance	function	experiments	data table
balancecallbackcodes	data table	extraprimitives	function
boundaries	table	fatalerror	function
D names		fillcodes	data table
D numbers		flagcodes	data table
F system		fontidentifier	function
box	table	fontname	function
boxoptioncodes	data table	forcehmode	function
boxresources	table	forceinputstatefile	function
F getbox		forceinputstateline	function
F getdimensions		fprint	function
F save		frozenparcodes	data table
F use		get	function
breakcodes	data table	getadjustoptionvalues	function
buildcodes	data table	getalignmentcontextvalues	function
catcode	table	getamcode	function
cccode	table	getappendadjustcontextvalues	function
charactercontrolcodes	data table	getappendmigratecontextvalues	function
charactertagcodes	data table	getattribute	function
chardef	function	getautomigrationvalues	function
classoptioncodes	data table	getautoparagraphvalues	function
codes	table	getbadnessmodevalues	function
conditionals	data table	getbalancecallbackvalues	function
constants	data table	getbalanceparameterfields	function
count	table	getbalanceresultfields	function
cprint	function	getbalancestepoptionvalues	function
ctdcatcodes	number	getbox	function
ctxcatcodes	number	getboxdir	function
definefont	function	getboxoptionvalues	function
delcode	table	getboxresourcebox	function
dimen	table	getboxresourcedimensions	function
dimensiondef	function	getbreakcontextvalues	function
directioncodes	data table	getbuildcontextvalues	function
directives	data table	getcardinalvalue	function

getcatcode	function	getinsertmultiplier	function
getcccode	function	getinsertwidth	function
getcharactercontrolvalues	function	getintegervalue	function
getcharactertagvalues	function	getinteraction	function
getcount	function	getinteractionmodes	function
getcurrentmvl	function	getiovalues	function
getdelcode	function	getkerneloptionvalues	function
getdelcodes	function	getkernoptionvalues	function
getdimen	function	getlargestusedmark	function
getdimensionvalue	function	getlccode	function
getdirectionvalues	function	getlinebreakparameterfields	function
getdiscoptionvalues	function	getlinebreakresultfields	function
getdiscpartvalues	function	getlinebreakstatevalues	function
getdoublescriptoptionvalues	function	getlinedir	function
getemptyparagraphmodevalues	function	getlist	function
geterrorvalues	function	getlistanchorvalues	function
getfillvalues	function	getlistfields	function
getflagvalues	function	getlistgeometryvalues	function
getfloat	function	getlistsignvalues	function
getfontoffamily	function	getlocalbox	function
getfrozenparvalues	function	getlocalboxlocations	function
getglue	function	getlocallevel	function
getglueoptionvalues	function	getmark	function
getglyphdata	function	getmarknames	function
getglyphdiscvalues	function	getmath	function
getglyphoptionvalues	function	getmathclassoptionvalues	function
getglyphprotectionvalues	function	getmathcode	function
getglyphscales	function	getmathcodes	function
getglyphscript	function	getmathcontrolvalues	function
getglyphstate	function	getmathdir	function
getgroupvalues	function	getmathgluevalues	function
gethccode	function	getmathoptionvalues	function
gethelptext	function	getmathparametervalues	function
gethmcode	function	getmathscriptordervalue	function
gethyphenationvalues	function	getmathscriptsmodevalues	function
getiftypes	function	getmathstylenamevalues	function
getinputstatefile	function	getmathstylevalues	function
getinputstateline	function	getmathstylevariant	function
getinputstatemode	function	getmathsurroundvalues	function
getinsertcontent	function	getmathvariantpresets	function
getinsertdepth	function	getmathvariantvalues	function
getinsertdistance	function	getmeasure	function
getinsertheight	function	getmissingcharactervalues	function
getinsertlimit	function	getmode	function

getmodevalues	function	getuleaderlocationvalues	function
getmuglue	function	getunitclassvalues	function
getmuskip	function	getusedmarks	function
getmvloptionvalues	function	getvsplitcontextvalues	function
getnest	function	glue	table
getnestfields	function	glueoptioncodes	data table
getnestlevel	function	glyphdiscodes	data table
getnoadoptiovalues	function	glyphoptioncodes	data table
getnormalizelinevalues	function	groupcodes	data table
getnormalizeparvalues	function	hashtokens	function
getoutputactive	function	hccode	table
getpacktypevalues	function	hmcode	table
getpagecontextvalues	function	hshcatcodes	number
getpagestate	function	hyphenationcodes	data table
getpagestatevalues	function	ifs	data table
getparametermodevalues	function	inimatcodes	number
getparcontextvalues	function	integerdef	function
getpardataspecifications	function	interactioncodes	data table
getpardir	function	isattribute	function
getparmodevalues	function	isbox	function
getparstate	function	iscount	function
getparstatefields	function	isdefined	function
getpartriggervalue	function	isdimen	function
getpenaltyoptionvalues	function	isfloat	function
getpositvalue	function	isglue	function
getprepoststatevalues	function	ismuglue	function
getprimitivelegacies	function	ismuskip	function
getprimitiveorigins	function	isprintable	function
getprotrusionboundaryvalues	function	isskip	function
getregisterindex	function	istoks	function
getruleoptionvalues	function	lastnodetype	function
getrunstate	function	lccode	table
getrunstatevalues	function	linebreak	function
getsfcode	function	linebreakstatecodes	data table
getshapingpenaltiesvalues	function	listanchorcodes	data table
getskip	function	listgeometrycodes	data table
getsnappingvalues	function	lists	table
getspecialmathclassvalues	function	listsigncodes	data table
getspecification	function	luacatcodes	number
getspecificationoptionvalues	function	magicconstants	table
gettextcontrolvalues	function		
gettextdir	function		
gettoks	function		
getuccode	function		

S activecharacternamespace

N allfitnessvalues

N assumedmathcontrol

N awfulbad

N decentcriterion	N maxhalfword
N defaultcatcodetable	N maxinteger
N defaultcharactercontrol	N maxintegerregisterindex
N defaultdeadcycles	N maxintregisterindex
N defaulteqnogapstep	N maxlimitedscale
N defaulthangafter	N maxmarkindex
N defaultoutputbox	N maxmathclasscode
N defaultpredisplaygap	N maxmathfamilyindex
N defaultrule	N maxmathscalingfactor
N defaultspacefactor	N maxmathstylescale
N defaulttolerance	N maxmugluregisterindex
N deplorable	N maxmvlinx
N ejectpenalty	N maxnewlinecharacter
N ignoredepth	N maxnofbytecodes
N infinitebad	N maxnofcatcodetables
N infinitepenalty	N maxnoffitnessvalues
N infinity	N maxnoffonts
N largewidthexcess	N maxnoflanguages
N loosecriterion	N maxnofmarks
N mathallclass	N maxnofmathfamilies
N mathbeginclass	N maxquarterword
N mathdefaultpenalty	N maxscalefactor
N mathendclass	N maxsizeofword
N mathfirstuserclass	N maxspacefactor
N mathlastuserclass	N maxtoksregisterindex
N maxattributeregisterindex	N maxtwinlength
N maxboxregisterindex	N mincardinal
N maxbytecodeindex	N mindatavalue
N maxcalculatedbadness	N mindimen
N maxcardinal	N mindimension
N maxcharactercode	N minhalfword
N maxdatavalue	N mininfinity
N maxdimen	N mininteger
N maxdimenregisterindex	N minmvlinx
N maxdimension	N minnoffitnessvalues
N maxdimensionregisterindex	N minquarterword
N maxendlinecharacter	N minscalefactor
N maxfloatregisterindex	N minspacefactor
N maxfontadjustshrinkfactor	N nocatcodetable
N maxfontadjuststep	N null
N maxfontadjuststretchfactor	N nullflag
N maxfunctionreference	N nullfont
N maxgluregisterindex	N onebp
N maxhalfvalue	N presetrulethickness

N runningrule		popsavelevel	function
N smallstretchability		posit	table
N specialspacefactor		positdef	function
N texeqtbsize		preparelinebreak	function
N texhashprime		primitives	function
N texhashsize		print	function
N two		protrusionboundarycodes	data table
N undefinedmathparameter		prtcacodes	number
N unity		pushlocal	function
N unusedattributevalue		pushsavelevel	function
N unusedmathfamily		quitlocal	function
N unusedmathstyle		quittoks	function
N unusedscriptvalue		resetparagraph	function
N unusedstatevalue		rlncacodes	number
N zeroglu		romannumeral	function
mathchardef	function	round	function
mathcode	table	ruleoptioncodes	data table
mathcontrolcodes	data table	runlocal	function
mathoptioncodes	data table	runstatecodes	data table
mathparametercodes	data table	runstring	function
mathscriptordercodes	data table	runtoks	function
mathscriptsmodecodes	data table	saveboxresource	function
modelevels	table	scale	function
N horizontal		scantoks	function
N math		set	function
N unset		setamcode	function
N vertical		setattribute	function
modes	data table	setbalanceshape	function
mprint	function	setbox	function
muglu	table	setboxdir	function
muskip	table	setcardinalvalue	function
mvloptioncodes	data table	setcatcode	function
nest	table	setcccode	function
nilcatcodes	number	setconditional	function
noadoptioncodes	data table	setcount	function
normalizelinecodes	data table	setdelcode	function
normalizeparcodes	data table	setdimen	function
notcatcodes	number	setdimensionvalue	function
number	function	setfloat	function
overloadpermitted	function	setglue	function
parcontextcodes	data table	setglyphdata	function
partriggercodes	data table	setglyphscript	function
penaltyoptioncodes	data table	setglyphstate	function
poplocal	function	sethccode	function

sethcode	function	showcontext	function
setinputstatefile	function	skip	table
setinputstateline	function	snappingcodes	data table
setinputstatemode	function	snapshotpar	function
setinsertcontent	function	sp	function
setinsertdistance	function	specialmathclasscodes	data table
setinsertlimit	function	specificationoptioncodes	data table
setinsertmultiplier	function	splitbox	function
setintegervalue	function	splitcodes	data table
setinteraction	function	sprint	function
setlcode	function	stringtocodesbitmap	function
setlinedir	function	systemmodes	data table
setlist	function	takebox	function
setlocalbox	function	texcatcodes	number
setmath	function	textcontrolcodes	data table
setmathcode	function	toks	table
setmathdir	function	tonumber	function
setmuglue	function	toscaled	function
setmuskip	function	tpacatcodes	number
setnest	function	tpbcacodes	number
setpardir	function	tprint	function
setpositvalue	function	trackedattribute	function
setrunstate	overloaded function	trackers	data table
setsfcode	function	triggerbuildpage	function
setskip	function	txtcatcodes	number
settexmdir	function	uccode	table
settoks	function	uprint	function
setuccode	function	useboxresource	function
sfcode	table	userdiscoptioncodes	data table
shapingpenaltiescodes	data table	userglyphoptioncodes	data table
shiftparshape	function	vrbcacodes	number
shipout	function	write	function

texconfig (basic tex)

buffer size	table	language size	table
N size		N size	
N step		N step	
error line size	table	mark size	table
N size		N size	
expand size	table	N step	
N size		nest size	table
file size	table	N size	
N size		N step	
N step		node size	table
first line	string	N size	
font size	table	N step	
N size		param eter size	table
N step		N size	
format name	string	N step	
function size	number	pool size	table
half error line size	table	N size	
N size		N step	
hash size	table	prop erti ess ize	number
N size		save size	table
N step		N size	
init	overloaded function	N step	
input size	table	shell_ escape	string
N size		string size	table
N step		N size	
insert size	table	N step	
N size		token size	table
N step		N size	
kpse_ init	boolean	N step	

texio (basic tex)

closeinput	function
forceendoffile	function
getinputindex	function
getselectorvalues	function
getsourcefilename	function
setlogfile	function
terminal	function

write	function
write_nl	function
writeln	function
writeselector	function
writeselectorlf	function
writeselectornl	function

token (basic tex)

create	function	getexpandable	function
expand	function	getexpansion	function
expand_macro	function	getfields	function
expandmacro	function	getflags	function
future_expand	function	getfrozen	function
futureexpand	function	getfunctionvalues	function
get_active	function	getid	function
get_cmdchrscs	function	getimmutable	function
get_cmdname	function	getindex	function
get_command	function	getinstance	function
get_csname	function	getinteger	function
get_cstoken	function	getlength	function
get_dimension	function	getmacro	function
get_expandable	function	getmeaning	function
get_fields	function	getnoaligned	function
get_flags	function	getparameters	function
get_frozen	function	getpermanent	function
get_id	function	getprimitive	function
get_immutable	function	getprimitives	function
get_index	function	getprotected	function
get_instance	function	getrange	function
get_integer	function	gettok	function
get_macro	function	gettolerant	function
get_meaning	function	gobble	function
get_noaligned	function	gobble_dimension	function
get_parameters	function	gobble_integer	function
get_permanent	function	gobbledimension	function
get_primitive	function	gobbleinteger	function
get_protected	function	grab	function
get_range	function	grabstring	function
get_tok	function	inhibit	function
get_tolerant	function	is_defined	function
getactive	function	is_next_char	function
getcmdchrscs	function	is_token	function
getcmdname	function	isactivestring	function
getcommand	function	isdefined	function
getcommandvalues	function	isnextchar	function
getconstant	function	istoken	function
getcsname	function	locatemacro	function
getcstoken	function	new	function
getdimension	function	peek_next	function

<code>peek_next_char</code>	function	<code>scan_tokenlist</code>	function
<code>peek_next_expanded</code>	function	<code>scan_toks</code>	function
<code>peeknext</code>	function	<code>scan_value</code>	function
<code>peeknextchar</code>	function	<code>scan_word</code>	function
<code>peeknextexpanded</code>	function	<code>scanargument</code>	function
<code>pop_macro</code>	function	<code>scanbox</code>	function
<code>popmacro</code>	function	<code>scancardinal</code>	function
<code>push_macro</code>	function	<code>scanchar</code>	function
<code>pushmacro</code>	function	<code>scancmdchr</code>	function
<code>put_back</code>	function	<code>scancmdchrexplanded</code>	function
<code>put_next</code>	function	<code>scancode</code>	function
<code>putback</code>	function	<code>scancsname</code>	function
<code>putnext</code>	function	<code>scancstoken</code>	function
<code>save_lua</code>	function	<code>scandelimited</code>	function
<code>savelua</code>	function	<code>scandetokened</code>	function
<code>scan_argument</code>	function	<code>scandimen</code>	function
<code>scan_box</code>	function	<code>scandimenargument</code>	function
<code>scan_cardinal</code>	function	<code>scandimension</code>	function
<code>scan_char</code>	function	<code>scandimensionargument</code>	function
<code>scan_cmdchr</code>	function	<code>scanfloat</code>	function
<code>scan_cmdchr_expanded</code>	function	<code>scanglue</code>	function
<code>scan_code</code>	function	<code>scanint</code>	function
<code>scan_csname</code>	function	<code>scaninteger</code>	function
<code>scan_delimited</code>	function	<code>scanintegerargument</code>	function
<code>scan_dimen</code>	function	<code>scankey</code>	function
<code>scan_float</code>	function	<code>scankeyword</code>	function
<code>scan_glue</code>	function	<code>scankeywordcs</code>	function
<code>scan_integer</code>	function	<code>scanletters</code>	function
<code>scan_key</code>	function	<code>scanluacardinal</code>	function
<code>scan_keyword</code>	function	<code>scanluainteger</code>	function
<code>scan_keyword_cs</code>	function	<code>scanluanumber</code>	function
<code>scan_letters</code>	function	<code>scannext</code>	function
<code>scan_luacardinal</code>	function	<code>scannextchar</code>	function
<code>scan_luainteger</code>	function	<code>scannextexpanded</code>	function
<code>scan_luanumber</code>	function	<code>scanposit</code>	function
<code>scan_next</code>	function	<code>scanreal</code>	function
<code>scan_next_char</code>	function	<code>scanscale</code>	function
<code>scan_next_expanded</code>	function	<code>scanskip</code>	function
<code>scan_real</code>	function	<code>scanstring</code>	function
<code>scan_scale</code>	function	<code>scantoken</code>	function
<code>scan_skip</code>	function	<code>scantokencode</code>	function
<code>scan_string</code>	function	<code>scantokenlist</code>	function
<code>scan_token</code>	function	<code>scantokenstring</code>	function
<code>scan_token_code</code>	function	<code>scantoks</code>	function

scanvalue	function	setmacro	function
scanword	function	setmacrofrommark	function
serialize	function	setmacrotonothing	function
set_dimension	function	skip_next	function
set_integer	function	skip_next_expanded	function
set_lua	function	skipnext	function
set_macro	function	skipnextexpanded	function
setdimension	function	type	function
setinteger	function	undefine_macro	function
setlua	function	undefinemacro	function

tokens (context)

accessors table

F active
F cmd
F cmdchrsc
F cmdname
F command
F csname
F expandable
F frozen
F index
F name
F protected
F range

astable function

bits table

N active
N alignment
N begingroup
N character
N close
N comment
N endgroup
N endofline
N escape
N ignore
N invalid
N letter
N mathshift
N open
N other
N parameter
N space
N subscript
N superscript
N whitespace

cache data table

commands data table

compile function

constant function

converters table

S toboolean

S todimen

S toglue

S tonumber

S tostring

create function

defined function

flags function

getinteger function

getters table

F box

F count

F cstoken

F dimen

F glue

F macro

F meaning

F skip

F token

gobble function

isactivestring function

isdefined function

istoken function

new function

pickup function

popmacro function

presets table

pushmacro function

scanners table

F argument

F argumentasis

F array

F boolean

F box

F bracketed

F bracketedasis

F cardinal

F char

F cmdchr

F cmdchrexploded

F code

F conditional

F count
 F csname
 F csnameunchecked
 F delimited
 F detokened
 F dimen
 F dimension
 F dimensionargument
 F float
 F glue
 F gluespec
 F gluevalues
 F hash
 F hbox
 F integer
 F integerargument
 F ischar
 F key
 F keyword
 F keywordcs
 F letters
 F list
 F lua
 F luacardinal
 F luainteger
 F luanumber
 F lxmlid
 F next
 F nextchar
 F nextexpanded
 F number
 F optional
 F peek
 F peekchar
 F peekexpanded
 F posit
 F real
 F scanclose
 F scanopen
 F skip
 F skipexpanded
 F string
 F table
 F token

F tokencode
 F tokenlist
 F tokens
 F tokenstring
 F toks
 F value
 F vbox
 F verbatim
 F vtop
 F whd
 F word

setinteger

setters

F box
 F char
 F count
 F dimen
 F glue
 F lua
 F macro
 F skip

function

table

shortcuts

table

N close
 F inspect
 N open
 F report
 F scanargument
 F scanargumentasis
 F scanarray
 F scanboolean
 F scanbox
 F scanbracketed
 F scanbracketedasis
 F scancardinal
 F scanclose
 F scancode
 F scanconditional
 F scanscsname
 F scanscsnameunchecked
 F scandelimited
 F scandetokened
 F scandimen
 F scandimension
 F scandimensionargument

F scanfloat
F scan glue
F scan glue spec
F scan glue values
F scan hash
F scan hbox
F scan integer
F scan integer argument
F scan keyword
F scan keyword cs
F scan letters
F scan list
F scan lua
F scan number
F scan open
F scan optional

F scan posit
F scan string
F scan table
F scan token list
F scan token string
F scan toks
F scan vbox
F scan verbatim
F scan vtop
F scan word
F to boolean
F to dimen
F to number
F to string

values

data table

tracers (context)

printerror function
printwarning function

showlines function

trackers (context)

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

typesetters (context)

alignments table

F handler

F set

breakpoints table

F define

F handler

D mapping

F set

F setreplacement

cases table

F handler

F register

F set

characteralign table

F handler

F resetcharacteralign

F setcharacteralign

characters table

F handler

F replacensbp

F replacenspaces

checkers table

F handler

F reset

F set

cleaners table

F handler

F set

compare table

F handler

F reset

F set

F setpair

F setup

corrections table

F handler

digits table

F handler

F set

directions table

F getfences

F getglobal

F getmethod

F handler

F installhandler

F set

F setcolor

F tomode

firstlines table

F handler

F set

fontkerns table

F handler

initials table

F handler

F set

injectors table

F check

F mark

F reset

F set

F show

italics table

F enablemath

F enabletext

F handler

kerns table

D factors

F handler

F keepeligature

D mapping

F set

localboxes table

F handler

manipulators table

F apply

F applyspecification

F splitspecification

margins table

F finalhandler

F globalhandler

F localhandler

F save

marksuspects function

paragraphs table

 F addanchortoline

 F addtoline

 F calculatedelta

 F checkline

 F moveinline

periodkerns table

 D factors

 F handler

 D mapping

 F set

processors table

 F apply

 F register

 F reset

 F split

 F startapply

 F stopapply

 F stripped

 F tostring

rubies table

 F attach

 F check

showinvisibles function

showsuspects function

spacings table

 F define

 F handler

 D mapping

 F reset

 F set

 F setup

stacking table

 F getindex

 F getselection

 F handler

swapping table

 F handler

synchronize table

 F handler

tighten table

 F handler

wrappers table

xtables table

 F cleanup

 F construct

 F create

 F finish_row

 F flush

 F initialize_construct

 F initialize_reflow_height

 F initialize_reflow_width

 F next_row

 F reflow_height

 F reflow_width

 F set_construct

 F set_reflow_height

 F set_reflow_width

updaters (context)

apply function
register function

url (context)

addscheme	function
barepath	function
construct	function
decode	function
encode	function
escape	function
filename	function

hashed	function
hasscheme	function
query	function
split	function
toquery	function
unescape	function
unescapeget	function

utf8 (basic lua)

char function
charpattern string
codepoint function

codes function
len function
offset function

utilities (context)

debugger table

F disable
F enable
F savestats
F showstats
F showtraceback

files table

F close
F getposition
F getsize
F look
F open
F read2dot14
F readbyte
F readbytes
F readbytetable
F readcardinal
F readcardinal1
F readcardinal1le
F readcardinal2
F readcardinal2le
F readcardinal3
F readcardinal3le
F readcardinal4
F readcardinal4le
F readcardinaltable
F readchar
F readcline
F readcstring
F readfixed2
F readfixed4
F readinteger
F readinteger1
F readinteger1le
F readinteger2
F readinteger2le
F readinteger3
F readinteger3le
F readinteger4
F readinteger4le
F readintegertable

F readsignedbyte
F readstring
F readtag
F setposition
F size
F skip
F skiplong
F skipposition
F skipshort
F writebyte
F writecardinal1
F writecardinal1le
F writecardinal2
F writecardinal2le
F writecardinal3
F writecardinal3le
F writecardinal4
F writecardinal4le
F writeinteger1
F writeinteger1le
F writeinteger2
F writeinteger2le
F writeinteger3
F writeinteger3le
F writeinteger4
F writeinteger4le
F writestring

formatters table

F formatcolumns
F list
F stripzeros

ghostscript table

F convert
F statistics

graphicmagick table

F convert
F statistics

graphicsmagick table

F convert
F statistics

json table

F load	F settings_to_array_with_repeat
F tojson	F settings_to_hash
F tolua	F settings_to_hash_colon_too
F tostring	F settings_to_hash_strict
lua	F settings_to_hash_tolerant
	F settings_to_numbers
B alwaysstripcode	F settings_to_set
F checkmemory	F simple_hash_to_string
F compile	F splitmethod
F loadedluacode	F splitthousands
F loadstring	F stepper
F loadstripped	F stripped_settings_to_array
N nofstrippedbytes	F totime
N nofstrippedchunks	F unittotex
F registerfinalizer	F unittoxml
B stripcode	
F strippedloadstring	randomizer
packers	table
	F get
F hashed	F getnumber
F new	F getrepeatable
F pack	F getrepeatableseed
F simplehashed	F getseed
F strip	F newrepeatable
F unpack	F popseed
N version	F pushseed
parsers	F repeatable
	F reuseseed
F add_settings_to_array	F setseed
F arguments_to_table	F setseedi
F array_to_string	randomizers
F csvsplitter	table
F getparameters	F poisson
F groupedsplitat	sequencers
F hash_to_string	table
F iterator	F appendaction
F keq_to_hash	F appendgroup
F listitem	F compile
F make_settings_to_hash_pattern	F disableaction
F mergehashes	F disablegroup
F options_to_array	F enableaction
F options_to_hash	F enablegroup
F process_stripped_settings	D functions
F rfc4180splitter	F localize
F runtime	F new
F settings_to_array	F nodeprocessor
F settings_to_array_obey_fences	F prependaction
	F prependgroup

F removeaction		F read2dot14
F replaceaction		F readbyte
F setkind		F readbytes
F toString		F readbytetable
setters	table	F readcardinal
F disable		F readcardinal1
F enable		F readcardinal1le
F initialize		F readcardinal2
F list		F readcardinal2le
F new		F readcardinal3
F register		F readcardinal3le
F report		F readcardinal4
F reset		F readcardinal4le
F show		F readcardinaltable
signals	table	F readchar
S configuration		F readcline
F initialize		F readcstring
F loadstate		F readfixed2
F report		F readfixed4
F savestate		F readinteger
F serialclose		F readinteger1
F serialfast		F readinteger1le
F serialopen		F readinteger2
S serialprefix		F readinteger2le
F serialsend		F readinteger3
F serialwrite		F readinteger3le
N version		F readinteger4
stacker	table	F readinteger4le
F new		F readintegertable
storage	table	F readsignedbyte
F allocate		F readstring
F checked		F setposition
F mark		F size
F marked		F skip
F setinitializer		F skipbytes
F sparse		F skiplong
streams	table	F skipshort
F close		F tocardinal1
F getposition		F tocardinal1le
F getsize		F tocardinal2
F getstring		F tocardinal2le
F look		F tocardinal3
F open		F tocardinal3le
F openstring		F tocardinal4

F tocardinal4le

strings table

F collapse

F collapsecrlf

F newcollector

F newrepeater

F striplines

F tabtospace

tables table

F accesstable

F definedtable

F definetable

F encapsulate

F insertaftervalue

F insertbeforevalue

F migratetable

F removevalue

F replacevalue

tar table

F closearchive

F openarchive

templates table

F load

F replace

F replacer

F resolve

zipfiles table

F close

F found

F hash

F list

F open

F unzip

F unzipdir

F zipdir

vector (context)

add	function	homogenize	function
append	function	identity	function
average	function	inner	function
ceiling	function	insert	function
checkoverlap	function	inverse	function
collectoverlap	function	ismesh	function
concat	function	issingular	function
contour	table	isvector	function
F average		iszero	function
F bounds		mesh	table
F checkoverlap		F get	
F collectoverlap		F getdimensions	
F getarea		F ismesh	
F getmesh		F new	
F makemesh		F set	
F overlapping		F toString	
F show		F totable	
F sort		F type	
copy	function	meshname	function
crossproduct	function	mul	function
delete	function	negate	function
determinant	function	new	function
div	function	normalize	function
equal	function	onecolumn	function
exchange	function	onerow	function
floor	function	product	function
get	function	remove	function
getdimensions	function	replace	function
getepsilon	function	round	function
getmesh	function	rowechelon	function
getrc	function	set	function
getrow	function	setepsilon	function
getstacking	function	setnext	function
gettype	function	setrc	function
helpers	table	setstacking	function
F points		slice	function
F transform		sort	function
F xrotation		sub	function
F xyzscale		swap	function
F yrotation		toString	function
F zrotation		totable	function

transpose	function	truncate	function
triangulate	function	type	function

visualizers (context)

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

xcomplex (extra lua)

I	function	erf	function
__add	function	erfc	function
__div	function	erfcx	function
__eq	function	erfi	function
__mul	function	exp	function
__name	string	i	function
__pow	function	imag	function
__sub	function	log	function
__tostring	function	new	function
__unm	function	pow	function
abs	function	proj	function
acos	function	real	function
acosh	function	sin	function
arg	function	sinh	function
asin	function	sqrt	function
asinh	function	tan	function
atan	function	tanh	function
atanh	function	topair	function
conj	function	tostring	function
cos	function	totable	function
cosh	function	voigt	function
dawson	function	voigt_hwhm	function

xdecimal (extra lua)

__add	function	bxor	function
__band	function	conj	function
__bor	function	copy	function
__bxor	function	exp	function
__div	function	getprecision	function
__eq	function	ln	function
__idiv	function	log	function
__le	function	max	function
__lt	function	min	function
__mod	function	minus	function
__mul	function	new	function
__name	string	plus	function
__pow	function	pow	function
__shl	function	rotate	function
__shr	function	setprecision	function
__sub	function	shift	function
__tostring	function	sqrt	function
__unm	function	toengstring	function
abs	function	tonumber	function
band	function	tostring	function
bor	function	trim	function

xmath (extra lua)

acos	function	isnormal	function
acosh	function	j0	function
asin	function	j1	function
asinh	function	jn	function
atan	function	ldexp	function
atan2	function	lgamma	function
atanh	function	log	function
cbrt	function	log10	function
ceil	function	log1p	function
copysign	function	log2	function
cos	function	logb	function
cosh	function	modf	function
deg	function	nan	number
erf	function	nearbyint	function
erfc	function	nextafter	function
exp	function	pi	number
exp2	function	pow	function
expm1	function	rad	function
fabs	function	remainder	function
fdim	function	remquo	function
floor	function	round	function
fma	function	scalbn	function
fmax	function	sin	function
fmin	function	sinh	function
fmod	function	sqrt	function
frexp	function	tan	function
gamma	function	tanh	function
hypot	function	tgamma	function
inf	number	trunc	function
isfinite	function	y0	function
isinf	function	y1	function
isnan	function	yn	function

xml (context)

addentitiesdoctype	function	F family	
addspecialcode	function	F fontspecification	
after	function	F mappedstylevalue	
all	function	F padding	
applylpath	function	F size	
applyselector	function	F style	
assign	function	F stylevalue	
attribute	function	F todimension	
badinclusions	function	F variant	
before	function	F weight	
body	function	defaulthandlers	table
builtinentities	table	D file	
B amp		D parsedxml	
B apos		D string	
B gt		D tex	
B lt		D texline	
B quot		D texspace	
CDATA	function	D verbose	
CDATATOTEXT	function	defaultprotocol	string
checkbom	function	delete	function
checkedempty	function	delete_element	function
checkerror	function	despecialized	function
checknamespace	function	each	function
checkns	function	each_element	function
cleansed	function	elements	function
collect	function	elementtocdata	function
collect_elements	function	empty	function
collect_tags	function	entities	data table
collect_texts	function	erase	function
collected	function	errorhandler	function
collecttexts	function	escaped	function
compactelement	function	expand	function
content	function	expressions	table
convert	function	F attribute	
copy	function	F boolean	
count	function	F child	
cprint	function	F contains	
CSS	table	F count	
F applyselector		F error	
F colorspecification		F find	
F dimension		F hasclass	

F idstring		insertcomment	function
F lower		inspect	function
F name		is_valid	function
F number		kind	function
F oneof		last	function
F print		lastmatch	function
F quit		load	function
F tag		lpath	function
F text		lpathcached	function
F undefined		lpathcalls	function
F upper		lshow	function
fillin	function	makestandalone	function
filter	function	match	function
finalizers	table	mml	table
F paragraphs		F stripped	
first	function	F verbose	
found	function	name	function
functions	table	newhandlers	function
F classes		nodesettostring	function
F hasclass		originalload	function
getbuffer	function	package	function
gethandlers	function	parent	function
gethandlersfunction	function	parsedentitylpeg	userdata
helpers	table	pihandlers	table
F recursetext		F injector	
include	function	F tex	
inclusion	function	placeholders	table
inclusions	function	F unknown_any_entity	
index	function	F unknown_dec_entity	
inheritattributes	function	F unknown_hex_entity	
inheritedconvert	function	popmatch	function
inject	function	position	function
inject_element	function	privatecodes	data table
inject_element_after	function	privatetoken	function
inject_element_before	function	process	function
injectafter	function	process_attributes	function
injectbefore	function	process_elements	function
insert	function	processattributes	function
insert_element	function	profiled	table
insert_element_after	function	pure	function
insert_element_before	function	pushmatch	function
insertafter	function	raw	function
insertbefore	function	registerentity	function
insertcdata	function	registerns	function

reindex	function	specialhandler	table
remap_name	function	sprint	function
remap_namespace	function	string	function
remap_tag	function	strip	function
remapname	function	strip_whitespace	function
remapnamespace	function	stripelement	function
remaptag	function	stripleadingspaces	function
rename	function	table	function
renamespace	function	text	function
reparsedentitylpeg	userdata	textonly	function
replace	function	texttocdata	function
replace_element	function	tocdata	function
resetinjectors	function	toelement	function
resolvens	function	tostring	function
root	function	totable	function
save	function	toxml	function
selection	function	tprint	function
separate	function	traverse	function
serialize	function	unescaped	function
serializetotext	function	unescapedentitylpeg	userdata
setcdata	function	unprivatized	function
setcomment	function	unspecialized	function
sethandlersfunction	function	wipe	function
setinjectors	function	withelement	function
setproperty	function	withelements	function
settings	function	wrap	function
specialcodes	data table	xmlns	table

xzip (extra lua)

adler32 function

compress function

compresssize function

crc32 function

decompress function

decompresssize function

zip (context)

archives	table	openarchive	function
closearchive	function	registeredfiles	table

zlib (context)

adler32	function
compress	function
compresssize	function

crc32	function
decompress	function
decompresssize	function