

MP **aes** attributes backends **base_{xx}** 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 pdfe
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** texisdefined
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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LUAFORMAT	number	document	table
LUAMAJORVERSION	number	documentdata	table
LUAMINORVERSION	number	dofile	function
LUATEXENGINE	string	drivers	table
LUATEXFORMATID	number	effects	table
LUATEXFUNCTIONALITY	number	environment	table
LUATEXVERBOSE	string	error	function
LUATEXVERSION	number	experiments	table
LUAVERSION	number	figures	table
MP	function	file	table
SAVEDREQUIRE	function	fio	table
aes	table	floats	table
arg	table	font	table
assert	function	fonts	table
attributes	table	functions	table
backends	table	getmetatable	function
basexx	table	globaldata	table
bibtex	table	globals	table
bit32	table	graphics	table
blobs	table	gzip	table
boolean	table	helper	table
buffers	table	images	table
builders	table	inspect	function
bytemap	table	interactions	table
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callback	table	io	table
callbacks	table	ipairs	function
catcodes	table	job	table
characters	table	kpse	table
chemistry	table	language	table
collectgarbage	function	languages	table
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containers	table	lfs	table
context	function	libraries	table
converters	table	lmx	table
coroutine	table	load	function
ctxrunner	table	loaders	data table
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
metapost	table	setmathparameters	function
mime	table	setmetatable	function
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
objects	table	structures	table
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	tobool	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	F formatcolor F formatgray F formatluminance F formatluminanceratio F getpagecolormodel F gray F graytohsv F handler T helpers F complement F inbetween F justone F hsvtogram 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 mpopoptions F namedcolorattributes N none F popset F processcolorcomponents F pushset F register D registered F registerspotcolor F rgb F rgbbbytes F rgbtocmyk F rgbtogray F rgbtosv
applyoverloads	function	
checkvalues	function	
colorintents	table	
	N attribute D data F enable F handler F register D registered D values	
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	rgbtosxyz		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	F analyzenormalsymbol
codeinjections	table	F analyzesymbol
F registerboxresource		F attachmentid
F registerfont		F bitmap
F restoreboxresource		F clonefield
current	string	F copyimage
defaults	table	F defaultprofile
T codeinjections		F definefield
F prerollreference		F definefieldset
F setautoprefix		F defineviewerlayer
F vfstartcolor		F discardpages
F vfstopcolor		F embedfile
T nodeinjections		F embedimage
F cmykcolor		F enabletags
F destination		F exportformdata
F graycolor		F fieldsurrounding
F injectknockout		F flushmergelayer
F injectoverprint		F getbookmarks
F reference		F getboxresourcebox
F rgbcolor		F getdefaultfieldvalue
F spotcolor		F getfieldcategory
F transparency		F getfieldset
T registrations		F getformatoption
F transparency		F getinfo
D tables		F getlinkstructureparent
getcallbackstate	function	F getreferencestructureobject
included	table	F getrefobj
B context		F insertrenderingwindow
B date		F jp2
B id		F jpg
B metadata		F maptag
B pdf		F mergebookmarks
initialize	function	F mergecomments
latelua	function	F mergefields
nodeinjections	table	F mergereferences
nothing	function	F mergerenditions
openout	function	F mergeviewerlayers
registered	table	F newimage
T pdf		F png
T codeinjections		F prerollreference
F addbookmarks		F presymbol

F presetssymbollist	F useviewerlayer
F processrendering	F validcompactor
F registerdocumentcloseaction	F validfield
F registerdocumentopenaction	F validfieldcategory
F registeredsymbol	F validfieldset
F registerfiguremask	F vfstartcolor
F registerfigurerange	F vfstopcolor
F registerpagecloseaction	F wrapimage
F registerpageopenaction	S name
F registerpattern	T nodeinjections
F registersymbol	F addtags
F ruleactionbox	F annotation
F ruleactiondraw	F attachfile
F ruleactionfill	F changestackedlayer
F ruleactionmp	F cmykcolor
F ruleactionstroke	F comment
F saveboxresource	F destination
F scanimage	F effect
F setattachmentsupport	F getboxresourcedimensions
F setautoprefix	F graycolor
F setencryption	F injectbitmap
F setfieldcalculationset	F insertu3d
F setfigurecolorspace	F knockout
F setfiguremask	F negative
F setformat	F overprint
F setformsmethod	F positive
F setjobcomment	F reference
F setpagetransition	F rgbcolor
F settaggingsupport	F spotcolor
F setupviewerlayer	F startalternate
F setuserdata	F startlayer
F setxmpfile	F startstackedlayer
F startactualtext	F stopalternate
F startalternativetext	F stoplayer
F startlayer	F stopstackedlayer
F startunicodetoactualtext	F transparency
F startunicodetoactualtextdirect	F typesetfield
F stopactualtext	F useboxresource
F stopalternativetext	T registrations
F stoplayer	F cmykindexcolor
F stopunicodetoactualtext	F cmykspotcolor
F stopunicodetoactualtextdirect	F getspotcolorreference
F supportedformats	F grayindexcolor
F unicodetoactualtext	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	encode16	function
decode64	function	encode64	function
decode85	function	encode85	function
decodeLZW	function	encodeLZW	function
decodeRL	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	strht	function
dimensions	function	strwd	function
dispose	function	tohpack	function
new	function	tonodes	function
pack	function	tovpack	function
strdp	function	write	function
strhd	function		

boolean (context)

tocontext function

tonumber function

buffers (context)

append	function	parallel	table
assign	function	F define	
collectcontent	function	F hassomecontent	
empty	function	F next	
erase	function	F place	
exists	function	F reset	
get	function	F save	
getcontent	function	prepend	function
getctxlua	function	raw	function
getline	function	run	function
getmkvi	function	samplefile	function
gettex	function	splitsamplefile	function
loadcontent	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 keeptogether		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 setmap
F injectskip	F setskip
F interceptsamepagecontent	F snapbox
F pagehandler	F synchronizepage
F pageoverflow	F tocATEGORIES
F popatsame	F tocATEGORY
F pushatsame	F vboxhandler

bytemap (context)

bounds	function	new	function
clip	function	newdomain	function
copy	function	process	function
dimensions	function	reduce	function
domain	function	reset	function
downgrade	function	setgray	function
downsample	function	setgrayadd	function
getbyte	function	setgraymin	function
getbytes	function	setrgb	function
getvalue	function	slicegray	function
hasbytegray	function	slicerange	function
hasbyterange	function	slicergb	function
hasbytergb	function		

caches (context)

base	string	loadcontent	function
collapsecontent	function	loaddata	function
configfiles	function	more	string
contentstate	function	savecontent	function
defaults	table	savedata	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 linebreak
functions	table	N linebreak_check
F start_page_number		N linebreak_quality
F stop_page_number		N local_box
getcomment	function	N make_extensible
getstates	function	N math_rule
known	function	N missing_character
list	table	N mlist_to_hlist
N alignment		N open_data_file
N append_adjust		N packed_vbox
N append_line		N page_boundary
N append_migrate		N paragraph_context
N append_to_vlist		N paragraph_pass
N balance_boundary		N post_linebreak
N balance_check		N pre_dump
N balance_insert		N pre_linebreak
N begin_paragraph		N pre_output
N buildpage		N process_character
N define_font		N process_jobname
N delayed_glue		N quality_font
N find_format_file		N register_extensible
N find_log_file		N show_build
N get_attribute		N show_error_message
N get_math_dictionary		N show_loners
N get_noad_class		N show_lua_call
N glyph_run		N show_vsplit
N handle_overload		N show_warning_message
N handle_uinsert		N show_whatsit
N handle_uleader		N start_file
N hpack		N start_run
N hpack_quality		N stop_file
N hyphenate		N stop_run
N insert_boundary		N tail_append
N insert_check_split		N test_only
N insert_distance		N trace_memory
N insert_par		N vpack
N intercept_lua_error		N vpack_quality
N intercept_tex_error		N wrapup_run
N italic_correction		names table
N kerning		optimizer function
N ligaturing		optionbits table

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

catcodes (context)

names data table
numbers data table

register function

characters (context)

addcharacternames	function	T after_postscript
adobename	function	T after_subscript
bidi	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_syllabe	function	tex	table
scripthash	table	D accentmapping	
setactivecatcodes	function	D commandmapping	
setlettercatcodes	function	F defineaccents	
setothercatcodes	function	F safechar	
shape	function	F strtextoutf	
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	undefined function

containers (context)

cleanname	function	is_valid	function
content	function	read	function
define	function	usecache	boolean
is_usable	function	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	maxchr	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
chrss	function	toroman	function
cn	function	totime	function

uchexnumber	function	F translate	
uchexnumbers	function	weekday	function
upper	function	word	function
verbose	table	words	function

D data

coroutine (basic lua)

close	function	running	function
create	function	status	function
isyieldable	function	wrap	function
resume	function	yield	function

ctxrunner (context)

load	function	preffiles	data table
preparedfile	function	resolve	function

debug (basic lua)

getinfo	function	traceback	function
sethook	function		

dir (context)

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

directives (context)

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

document (context)

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

effects (context)

getoctaveloops	function	octavebytemap	function
getoctavemethods	function	perlinnoise	function
getoctavestatus	function	simplexangle	function
getoctavevariants	function	simplexdetail	function
newoctave	function	simplexnoise	function
octave	function	steopoctave	function

environment (context)

argument	function	luofilechunk	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
jobfullname	string	texos	string
jobfilename	string	texroot	string
jobfilesuffix	string	truefilename	function
kindofrun	number	useluamodule	function
lmtxmode	number	usemodules	function
loadexamodes	function	validengines	data table
loadluofile	function	version	string
luofile	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
bytепalette	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
existers	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)

<code>addsuffix</code>	function	<code>needsupdating</code>	function
<code>basename</code>	function	<code>pathpart</code>	function
<code>checksum</code>	function	<code>readdata</code>	function
<code>collapsepath</code>	function	<code>removesuffix</code>	function
<code>copy</code>	function	<code>replacesuffix</code>	function
<code>dirname</code>	function	<code>reslash</code>	function
<code>expandname</code>	function	<code>robustname</code>	function
<code>extname</code>	function	<code>savechecksum</code>	function
<code>is_qualified_path</code>	function	<code>savedata</code>	function
<code>is_readable</code>	function	<code>size</code>	function
<code>is_rootbased_path</code>	function	<code>splitbase</code>	function
<code>is_writable</code>	function	<code>splitname</code>	function
<code>isreadable</code>	function	<code>splitpath</code>	function
<code>iswritable</code>	function	<code>suffix</code>	function
<code>join</code>	function	<code>suffixes</code>	function
<code>joinpath</code>	function	<code>suffixesonly</code>	function
<code>loadchecksum</code>	function	<code>suffixonly</code>	function
<code>nameonly</code>	function	<code>syncmtimes</code>	function
<code>nametotable</code>	function	<code>withinbase</code>	function
<code>needs_updating</code>	function		

fio (extra lua)

getposition	function	readinteger1le	function
read2dot14	function	readinteger2	function
readbytes	function	readinteger2le	function
readbytetable	function	readinteger3	function
readcardinal1	function	readinteger3le	function
readcardinal1le	function	readinteger4	function
readcardinal2	function	readinteger4le	function
readcardinal2le	function	readintegertable	function
readcardinal3	function	setposition	function
readcardinal3le	function	skipposition	function
readcardinal4	function	writecardinal1	function
readcardinal4le	function	writecardinal1le	function
readcardinaltable	function	writecardinal2	function
readcline	function	writecardinal2le	function
readcstring	function	writecardinal3	function
readfixed2	function	writecardinal3le	function
readfixed4	function	writecardinal4	function
readinteger1	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 cache F calculatescale F checkedfeatures F checkedfilename F collectprocessors F currentfonthasfeature D designsizes
D features D initializers D methods F setstate D states B useunicodemarks		F checkedfilename F collectprocessors F currentfonthasfeature D designsizes
callbacks	table	F enhanceparameters T enhancers
F compile F devirtualize		T afm
checkers	table	F apply F patch T patches
F getmissing D mapping F missing F placeholder		F register F report
cid	table	F register F report
F getmap F loadfile		T otf
collections	table	F addfeature F apply F enhance
F checkenabled F clonevector F define T definitions F direct F found F prepare F process F register F registermain F report F reset T rscales T vectors		F patch T patches F register F report F register F report T tfm F apply F patch T patches F register F report
constructors	table	F register F report
F addcharacters F addcoreunicodes F aftercopyingcharacters F applyfinalizers F applymanipulators F assignmathparameters F beforecopyingcharacters		F register F report N factor T features D afm D otf 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 txtdirstate
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 cbdc	T helpers
F cff	F axisoftfactors
F cff2	F cleanname
Tcffencoder	F getaxissscale
F checkhash	F getfactors
F cmap	F getscales
F colr	F gotodatatable
F compact	F normalizedaxis
F condense	T normalizeddaxishash
F cpal	F readvariationdata
F dsig	F reportskippedtable
F ebdt	F setvariabledata
F eblc	F hhea
F ebdc	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	Nnofsharedfonts
N mset	Nnofsharedhashes
N rclt	Nnofsharedvectors
N rlig	Nprivateoffset
N version	Dprivateslots
T pfb	Freadanddefine
Ffilterencoding	Fregisterfeature
Ffiltermetadata	Fregisterscriptset
Floadvector	Fresetfeature
Nversion	Bresolvevirtualtoo
Ttfm	Fscale
Dcache	Fscaled
Dfeatures	Fsetfactor
Nmaxnestingdepth	Fsetfeature
Nmaxnestingsize	Fsetmathparameter
Treaders	Fsetname
Floadpk	Bsharefonts
Floadtfm	Ftrytosharefont
Floadtfmvf	Nversion
Floadvf	current function
Fpktopdf	currentid function
Fpotracedtopdf	definers table
Fshowpk	Faddlookup
Freencode	Fanalyze
Fsetfeatures	Fapplypostprocessors
Nversion	Fcheckedmode
Tvf	Fcheckedscript
Tcombinations	Sdefaultlookup

F define		enhanceid	function
F getspecification		expansions	data table
F internal		formats	data table
F loadfont		getalternate	function
F makespecification		getindices	function
T methods		getkern	function
F install		getmultiple	function
D variants		getsubstitution	function
F read		getters	table
F register		T alternate	
F registered		F opentype	
F registerfallbackfont		T kern	
F registersplit		F opentype	
F resetnullfont		F type1	
F resolve		F type3	
T resolvers		T multiple	
F file		F opentype	
F name		T substitution	
F spec		F opentype	
definetypeface	function	goodies	table
dropins	table	D colorschemes	
F clone		T data	
F getshape		T common-math.lfg	
F getshapes		S author	
F nextid		S comment	
F provide		S copyright	
F registerglyph		B initialized	
F registerglyphs		T mathematics	
F swap		T tweaks	
F swapone		T presets	
effects	table	F addmathkerns	
encodings	table	F braille	
T agl		F eulertocalligraphic	
D ctxcodes		F fallbacks	
D extras		F moderntocalligraphic	
D synonyms		F moveintegrals	
D unicodes		F moveitalics	
D cache		F pagellaradical	
F is_known		F rsfstoscript	
D known		F rsfsuprighttoscript	
F load		F scripttocalligraphic	
F make_unicode_vector		F smalldigits	
D math		F wipeanchors	
N version		F wipeitalics	

F	xtsarabic	D	filenames
S	name	F	getcompositions
S	version	T	list
T	dejavu-math	F	load
S	author	F	prepare_features
S	comment	F	register
S	copyright	F	registerpostprocessor
B	initialized	F	report
T	mathematics	T	suffixes
T	alternates	handlers	table
T	dotless	hashes	table
S	comment	D	characters
S	feature	D	classes
N	value	D	csnames
T	bigslots	D	descriptions
T	parameters	D	dynamics
N	AccentBaseDepth	D	emwidths
N	AccentTopShiftUp	D	exheights
N	DelimiterDisplayPercent	D	features
N	DelimiterDisplayShortfall	D	identifiers
N	DelimiterPercent	D	italics
N	DelimiterShortfall	D	lastmathids
N	DisplayOperatorMinHeight	D	marks
N	FlattenedAccentTopShiftUp	D	mathparameters
N	FractionRuleThickness	D	modes
S	PrimeBaselineDropMax	D	originals
S	PrimeShiftUp	D	parameters
S	PrimeShiftUpCramped	T	processes
N	SubscriptShiftDown	D	properties
S	SubscriptShiftDownWithSuperscript	D	quads
N	SuperscriptShiftUp	D	resources
T	tweaks	T	setdynamics
T	aftercopying	T	shapes
S	name	D	spaces
S	version	D	spacings
T	dejavu-text	T	streams
S	author	D	unicodes
S	comment	D	unislots
S	copyright	D	variants
T	extensions	D	xheights
B	initialized	helpers	table
S	name	F	adDEXTRAPRIVATE
S	version	F	ADDPRIVATE
D	designsizes	F	APPENDCOMMANDS

F appendcommandtable	F startcolor
F checkflags	F stopcolor
F checkmerge	T vfspecials
F checksteps	T backgrounds
F collectanchors	T outlines
F combineglyphs	infofont function
D commands	iterators table
F composecharacters	F characters
F descriptiontoslot	F descriptions
F dimenfactor	F glyphs
F expandglyph	loggers table
D extraprivates	F format
F fontpatternhassize	F onetimemessage
F getcoloredglyphs	F register
F getdigitwidth	F reportdefinedfonts
F getinstancespec	F reportusedfeatures
F getparameters	mappings table
F getprivatecharornode	F addtounicode
F getprivatenode	F fromunicode16
F getprivates	F getentry
F getprivateslot	F loadfile
F glyphdimenfactor	F loadline
F hasprivate	F makenameparser
F indextoslot	D overloads
F isprivate	F reset
F mathscriptslots	F tounicode
F name	F tounicode16
F nametoslot	F tounicode16sequence
F newprivateslot	metapost table
F prependcommands	F baseline
F prependcommandtable	F boundingbox
F privateslot	F boxtomp
F registerglyphbox	F boxtompdimensions
F scalecommands	F boxtompposition
F setboxdirectly	F draw
F setboxglyph	F fill
F setboxglyphs	F glyph
F setdigitwidth	F maxbounds
F setmetaglyph	F paths
F setmetaglyphs	F widthline
D sharedprivates	F zeroline
F splitfontpattern	mode function
F tochar	names data table
T vfinjectors	nulldata data table

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

B curs	B pstf
B dlig	B pts
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 pts
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
B compoundhyphen	B abvm
B curs	B abvs
B kern	B akhn

B blwf	S script
B blwm	B vatu
B blws	T dingbats
B calt	S goodies
B cjct	S mode
B dist	N number
B half	B unicoding
B haln	T es
S indic	S language
B kern	N number
S language	S script
B locl	T et
S mode	S language
B nukt	N number
N number	S script
B pres	T f:fractions
B psts	B frac
B rkrf	N number
B rphf	T f:inferiors
S script	N number
B vatu	B subs
T devanagari-two	T f:kern
B abvm	B kern
B abvs	N number
B akhn	T f:kerns
B blwf	B kern
B blwm	N number
B blws	T f:oldstyle
B calt	N number
B cjct	B onum
B dist	T f:smallcaps
B half	N number
B haln	B smcp
S indic	T f:superiors
B kern	N number
S language	B sups
B locl	T f:tabular
S mode	N number
B nukt	B tnum
N number	T fi
B pres	S language
B psts	N number
B rkrf	S script
B rphf	T followtext

B lig	B akhn
N number	B blwf
T fr	B blwm
S language	B blws
N number	B calt
S script	B cjct
T fullprotrusion	B dist
N number	B half
S protrusion	B haln
T gr	S indic
S language	B kern
N number	S language
S script	B locl
T grek	S mode
N number	B nukt
S script	N number
T gujarati-one	B pres
B abvm	B psts
B abvs	B rkrf
B akhn	B rphf
B blwf	S script
B blwm	B vatu
B blws	T gurmukhi-one
B calt	B abvm
B cjct	B abvs
B dist	B akhn
B half	B blwf
B haln	B blwm
S indic	B blws
B kern	B calt
S language	B cjct
B locl	B dist
S mode	B half
B nukt	B haln
N number	S indic
B pres	B kern
B psts	S language
B rkrf	B locl
B rphf	S mode
S script	B nukt
B vatu	N number
T gujarati-two	B pres
B abvm	B pstf
B abvs	B psts

B rphf	B medi
S script	B mkmk
B vatu	S mode
T gurmukhi-two	N number
B abvm	B reordercombining
B abvs	B rlig
B akhn	S script
B blwf	T hr
B blwm	S language
B blws	N number
B calt	S script
B cjct	T hu
B dist	S language
B half	N number
B haln	S script
S indic	T indic-common
B kern	B abvm
S language	B abvs
B locl	B akhn
S mode	B blwm
B nukt	B blws
N number	B calt
B pres	B dist
B pstf	B haln
B pts	S indic
B rphf	B kern
S script	S language
B vatu	B locl
T hebrew	S mode
B analyze	B nukt
S autolanguage	N number
S autoscript	B pres
B calt	B pts
B ccmp	B rphf
B clig	T inlinenumbers
B curs	N number
B dlig	B pnum
B fina	B tnum
B init	T is
B isol	S language
B kern	N number
S language	S script
B lig	T it
B mark	S language

N number	B blwf
S script	B blwm
T ja	B blws
S language	B calt
N number	B cjct
S script	B dist
T jamoforms	B half
B ljmo	B haln
N number	S indic
B tjmo	B kern
B vjmo	S language
T just-os	B locl
S mode	S mode
N number	B nukt
B onum	N number
T kannada-one	B pref
B abvm	B pres
B abvs	B pstf
B akhn	B pts
B blwf	B rphf
B blwm	S script
B blws	T la
B calt	S language
B cjct	N number
B dist	S script
B half	T latn
B haln	N number
S indic	S script
B kern	T letterspacing
S language	B ccmp
B locl	B clig
S mode	B dlig
B nukt	S keepligatures
N number	B lig
B pref	N number
B pres	B rlig
B pstf	T ligatures
B pts	S autolanguage
B rphf	S autoscript
S script	B checkmissing
T kannada-two	B compoundhyphen
B abvm	B curs
B abvs	B kern
B akhn	B lig

B mark	B blws
B mkmk	B calt
S mode	B cjct
N number	B dist
S script	B half
S textcontrol	B haln
B wipemath	S indic
T lm-math-bold	B kern
S effect	S language
N number	B locl
T lowercasing	S mode
B lowercasing	B nukt
N number	N number
T malayalam-one	B pref
B abvm	B pres
B abvs	B pstf
B akhn	B psts
B blwf	B rphf
B blwm	S script
B blws	T math
B calt	B compactmath
B cjct	B flattenaccents
B dist	B kern
B half	S language
B haln	B mathalternates
S indic	S mathexpansion
B kern	S mode
S language	N number
B locl	S script
S mode	B sssty
B nukt	B wipemath
N number	T math-script
B pref	B compactmath
B pres	B flattenaccents
B pstf	B kern
B psts	S language
B rphf	B mathalternates
S script	S mathexpansion
T malayalam-two	S mode
B abvm	N number
B abvs	S script
B akhn	N sssty
B blwf	B wipemath
B blwm	T math-scriptscript

B compactmath	B isol
B flattenaccents	B itlc
B kern	B kern
S language	B lig
B mathalternates	B mark
S mathexpansion	B medi
S mode	B mkmk
N number	S mode
S script	B mset
N ssty	N number
B wipemath	B rclt
T math-text	B rlig
B compactmath	S script
B flattenaccents	S textcontrol
B kern	B wipemath
S language	T nl
B mathalternates	S language
S mathexpansion	N number
S mode	S script
N number	T none
S script	B features
B ssty	S mode
B wipemath	N number
T mathematics	T oldstyle
B compactmath	S autolangauge
B flattenaccents	S autoscript
B kern	B checkmissing
S language	B compoundhyphen
B mathalternates	B curs
S mathexpansion	B kern
S mode	B lig
N number	B mark
S script	B mkmk
B wipemath	S mode
T mixed	N number
T mongolian	B onum
S autolangauge	S script
S autoscript	S textcontrol
B calt	B wipemath
B checkmissing	T oldstylenumbers
B compoundhyphen	N number
B curs	B onum
B fina	T original
B init	S autolangauge

S autoscript	B calt
B checkmissing	B cjct
B compoundhyphen	B dist
B curs	B haln
B itlc	S indic
B kern	B kern
B liga	S language
B mark	B locl
B mkmk	S mode
S mode	B nukt
N number	N number
S script	B pres
S textcontrol	B pstf
B wipemath	B pts
T oriya-one	B rphf
B abvm	S script
B abvs	T pl
B akhn	S language
B blwf	N number
B blwm	S script
B blws	T primes
B calt	N number
B cjct	B primes
B dist	T pt
B haln	S language
S indic	N number
B kern	S script
S language	T quality
B locl	S expansion
S mode	N number
B nukt	S protrusion
N number	T recommended
B pres	S autolanguage
B pstf	S autoscript
B pts	B calt
B rphf	B checkmissing
S script	B clig
T oriya-two	B compoundhyphen
B abvm	B curs
B abvs	B itlc
B akhn	B kern
B blwf	B liga
B blwm	B mark
B blws	B mkmk

S mode	B curs
N number	B fina
B rlig	B init
S script	B isol
S textcontrol	B kern
B wipemath	S language
T reordercombining	B mark
N number	B medi
B reordercombining	B mkmk
T ro	S mode
S language	N number
N number	B rlig
S script	T simplearabic
T ru	B analyze
S language	S autolanguage
N number	S autoscript
S script	B calt
T semitic-complete	B ccmp
B analyze	B curs
S autolanguage	B fina
S autoscript	B init
B calt	B isol
B ccmp	B kern
B clig	S language
B curs	B mark
B dlig	B medi
B fina	B mkmk
B init	S mode
B isol	N number
B kern	B rlig
S language	S script
B liga	T simplehebrew
B mark	B analyze
B medi	S autolanguage
B mkmk	S autoscript
S mode	B calt
N number	B ccmp
B rlig	B curs
T semitic-simple	B fina
B analyze	B init
S autolanguage	B isol
S autoscript	B kern
B calt	S language
B ccmp	B mark

B medi	B dlig
B mkmk	B fin2
S mode	B fin3
N number	B fina
B rlig	B init
S script	B isol
T sk	B kern
S language	S language
N number	B lig
S script	B mark
T sl	B med2
S language	B medi
N number	B mkmk
S script	S mode
T slanted	N number
N number	B rlig
N slant	S script
T smallcaps	T system:tabnum
S autolanguage	B lnum
S autoscript	N number
B checkmissing	B tnum
B compoundhyphen	T tabledigits
B curs	N number
B kern	B tabledigits
B mark	B tnum
B mkmk	T tabularnumbers
S mode	N number
N number	B pnum
S script	B tnum
B smcp	T tamil-one
S textcontrol	B abvm
B wipemath	B abvs
T sv	B akhn
S language	B blwm
N number	B blws
S script	B calt
T syriac	B dist
B analyze	B half
S autolanguage	B haln
S autoscript	S indic
B calt	B kern
B ccmp	S language
B clig	B locl
B curs	S mode

B nukt	B locl
N number	S mode
B pref	B nukt
B pres	N number
B psts	B pref
B rphf	B pres
S script	B pstf
T tamil-two	B psts
B abvm	B rphf
B abvs	S script
B akhn	T telugu-two
B blwm	B abvm
B blws	B abvs
B calt	B akhn
B dist	B blwf
B half	B blwm
B haln	B blws
S indic	B calt
B kern	B cjct
S language	B dist
B locl	B half
S mode	B haln
B nukt	S indic
N number	B kern
B pref	S language
B pres	B locl
B psts	S mode
B rphf	B nukt
S script	N number
T telugu-one	B pref
B abvm	B pres
B abvs	B pstf
B akhn	B psts
B blwf	B rphf
B blwm	S script
B blws	T th
B calt	S language
B cjct	N number
B dist	S script
B half	T tibetan
B haln	B abvm
S indic	B abvs
B kern	S autolanguage
S language	S autoscript

B blwm	B kern
B blws	S language
B calt	B mathalternates
B ccmp	S mathexpansion
B checkmissing	S mode
B compoundhyphen	N number
B curs	S script
B kern	B wipemath
S language	T vn
B liga	S language
B locl	N number
B mark	S script
B mkmk	T zero
S mode	N number
N number	B zero
S script	F showcontext
S textcontrol	F splitcontext
B wipemath	D synonyms
T tr	D variants
S language	symbols table
N number	T emoji
S script	F checked
T uk	F resolved
S language	F uselibrary
N number	tables table
S script	toeffect function
T uppercasing	tracers table
N number	treatments table
B uppercasing	F applyfixes
T us	D data
S language	S filename
N number	F ignoredfile
S script	F report
T virtualmath	F trace
B compactmath	typefaces table
B flattenaccents	

functions (context)

dummy function

globaldata (context)

CONTEXTLMTXMODE	number	F colorcomponents
LUAFORMAT	number	D counts
LUAMAJORVERSION	number	B couple
LUAMINORVERSION	number	F currentmodel
LUATEXENGINE	string	F currentnamedmodel
LUATEXFORMATID	number	D data
LUATEXFUNCTIONALITY	number	N default
LUATEXVERBOSE	string	F defineintermediatecolor
LUATEXVERSION	number	F definemultitonecolor
LUAVERSION	number	F defineprocesscolor
MP	function	F defineprocesscolordirect
SAVEDREQUIRE	function	F definesimplegray
aes	table	F definespotcolor
	F decode	F definetransparency
	F encode	F enable
	F random	F filter
arg	table	N forced
assert	function	F forcedmodel
attributes	table	F forcesupport
	T alternates	F formatcolor
	N attribute	F formatgray
	D data	F formatluminance
	F enable	F formatluminanceratio
	F handler	F getpagecolormodel
	F register	F gray
	D registered	F graytohsv
	D values	F handler
	F applyoverloads	F hsvtogray
	F checkvalues	F hsvtorgb
	T colorintents	F hwbtorgb
	N attribute	F iccprofile
	D data	F isblack
	F enable	F labtolch
	F handler	F labtorgb
	F register	F labtoxyz
	D registered	F lchtolab
	T colors	F lchtorgb
	N attribute	N main
	F cmyk	S model
	F cmyktogray	D models
	F cmyktorgb	F mpcolor

F mpnamedcolor	F register
F moptions	D registered
F namedcolorattributes	D values
N none	F getvalue
F popset	F getvalues
F processcolorcomponents	T handlers
F pushset	F hasvalues
F register	D list
D registered	F markasoverload
F registerspotcolor	D names
F rgb	T negatives
F rgbbbytes	N attribute
F rgbtocmyk	D data
F rgbtogray	F enable
F rgbtosv	F handler
F rgbtoxyz	F register
N selector	D registered
F setlist	F set
F setmodel	D numbers
F setpagecolormodel	F ofnode
D sets	F private
F spec	F public
F spot	F registervalue
F spotcolorname	F restore
F spotcolorparent	F save
F spotcolorvalue	F setcleaner
B supported	F showcurrent
F toattributes	T states
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
D counts	F system
F define	F tooverloads
T effects	T transparencies
N attribute	N attribute
D data	D data
F enable	F enable
F handler	F forcesupport

F handler		F getcallbackstate
N none		T included
F register		B context
D registered		B date
B supported		B id
F toattribute		B metadata
B triggering		B pdf
F value		F initialize
D values		F latelua
N unsetvalue		T nodeinjections
D values		F nothing
T viewerlayers		F openout
N attribute		T registered
F cleanup		T registrations
D data		F setencryption
F define		T tables
F definedlayoutcomponent		F writeout
F enable		basexx table
F forcesupport		F decode16
F handler		F decode64
B hasorder		F decode85
D listwise		F decodeLZW
F register		F decodeRL
D registered		F encode16
F resolve_begin		F encode64
F resolve_end		F encode85
F resolve_reset		F encodeLZW
F resolve_step		F encodeRL
D scopes		bibtex table
F setfeatures		bit32 table
F setup		F arshift
F start		F band
F stop		F bnot
B supported		F bor
D values		F btest
backends	table	F bxor
F closeout		F extract
T codeinjections		F lrotate
F registerboxresource		F lshift
F registerfont		F replace
F restoreboxresource		F rrotate
S current		F rshift
T defaults		blobs table
D tables		F append

F dimensions		F checksidefloat
F dispose		T hpack
F new		F qualityactions
F pack		F report
F strdp		F show
F strhd		T kernel
F strht		F collapsing
F strwd		F hyphenating
F tohpack		F kerning
F tonodes		F ligaturing
F tovpack		F mlisttohlist
F write		T paragraphs
boolean	table	F keeptogether
F tocontext		F registertogether
F tonumber		F tag
buffers	table	F parpassidentifier
F append		D passnames
F assign		T profiling
F collectcontent		F add
F empty		F adddrivers
F erase		F boxlinehandler
F exists		F distance
F get		F fixedprofile
F getcontent		F get
F getctxlua		F getrivers
F getlines		F list
F getmkvi		F pagehandler
F gettex		F pagelinehandler
F loadcontent		F profilebox
T parallel		F profilelines
F define		F set
F hassomecontent		F setlines
F next		F registerpassthroughcallback
F place		T vpack
F reset		F qualityactions
F save		F report
F prepend		T vspacing
F raw		D categories
F run		F checkstrutdepth
F samplefile		F collapsevbox
F splitsamplefile		F definesnapmethod
F undent		B fixed
builders	table	F flushcontributions
F checkparcontext		F forcepageflush

F forcestrutdepth		F slicergb	
F getnofpreviouslines		caches	table
F inject		S base	
F injectdisable		F collapsecontent	
F injectnowhite		F configfiles	
F injectpenalty		F contentstate	
F injectskip		T defaults	
F interceptsamepagecontent		F getfirstreadablefile	
F pagehandler		F getreadablepaths	
F pageoverflow		F getWritableDatabase	
F popatsame		F hashed	
F pushatsame		F is_writable	
F setmap		F loadcontent	
F setskip		F loaddata	
F snapbox		S more	
F synchronizepage		F savecontent	
F tocATEGORIES		F savedata	
F tocATEGORY		F setFirstWritablefile	
F vboxhandler		F setLuanames	
bytemap	table	F treehash	
F bounds		F usedpaths	
F clip		callback	table
F copy		F find	
F dimensions		F getIndex	
F domain		F getOptions	
F downgrade		F getOptionValues	
F downsample		F getState	
F getByte		F getStateValues	
F getbytes		F known	
F getValue		F list	
F hasByteGray		F names	
F hasByteRange		F register	
F hasByteRGB		F setOptions	
F new		F setState	
F newDomain		F testOnly	
F process		F usage	
F reduce		callbacks	table
F reset		F freeze	
F setGray		T functions	
F setGrayAdd		F startPageNumber	
F setGrayMin		F stopPageNumber	
F setRGB		F getComment	
F sliceGray		F getStates	
F sliceRange		F known	

T list	N page_boundary
N alignment	N paragraph_context
N append_adjust	N paragraph_pass
N append_line	N post_linebreak
N append_migrate	N pre_dump
N append_to_vlist	N pre_linebreak
N balance_boundary	N pre_output
N balance_check	N process_character
N balance_insert	N process_jobname
N begin_paragraph	N quality_font
N buildpage	N register_extensible
N define_font	N show_build
N delayed_glue	N show_error_message
N find_format_file	N show_loners
N find_log_file	N show_lua_call
N get_attribute	N show_vsplit
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_boundary	N vpack
N insert_check_split	N vpack_quality
N insert_distance	N wrapup_run
N insert_par	T names
N intercept_lua_error	F optimizer
N intercept_tex_error	T optionbits
N italic_correction	T optioncodes
N kerning	N direct
N ligaturing	N trace
N linebreak	F pop
N linebreak_check	F push
N linebreak_quality	F register
N local_box	F report
N make_extensible	T statebits
N math_rule	T statecodes
N missing_character	N disabled
N mlist_to_hlist	N frozen
N open_data_file	N fundamental
N packed_vbox	N private

N selective	D graphemes
N set	D hangul
N touched	T indicgroups
N tracing	F initialize
catcodes	table
D names	D is_character
D numbers	D is_command
F register	D is_hyphenator
characters	table
F addcharacternames	D is_letter
F adobename	D is_mark
D bidi	D is_nothing
F blockrange	D is_punctuation
D blocks	D is_spacing
D can_have_space	D is_symbol
T casemap	D lcchars
D categories	F lccode
F category	D lccodes
D categorytags	F lettered
T classifiers	D lhash
D collapsed	D linebreaks
D combined	F lower
F contextname	D mathlists
D csletters	T mirrors
D data	D otfscripts
D decomposed	D ranges
F description	F registerentities
D descriptions	F remap_hangul_syllabe
D detailtags	T scripthash
T directions	F setactivecatcodes
T emoji	F setlettercatcodes
F compact	F setothercatcodes
F known	F shape
F resolve	F shaped
F emojized	D shash
D encodes	D shchars
D entities	D shcodes
D fallbacks	F showstring
D filters	D specialchars
T fractions	D specials
F fromnumber	T splits
D fschars	T subscripts
D fscodes	T superscripts
F getrange	D synonyms
	T tex
	D accentmapping

D commandmapping	F MPpadata
F defineaccents	F MPplus
F safechar	F MPpos
F strtextoutf	F MPrest
F strtoutfpattern	F MPrs
F toutf	F MPul
F toutfpattern	F MPur
T textclasses	F MPw
F tonumber	F MPwhd
D ucchars	F MPx
F uccode	F MPxy
D uccodes	F MPxywhd
D uhash	F MPy
F unicodechar	F Romannumerals
F upper	F actualday
D verbosemarks	F actualmonth

chemistry table

F component	F actualyear
F define	F adaptfontfeature
D definitions	F adaptivecheckbox
S format	F addbtxentry
F inlinechemical	F addcounter
S instance	F adddefaultsuffix
S method	F addfeature
F molecule	F addfontpath
U moleculeparser	F addgrapheme
F start	F addlinenumbers
F stop	F addlinklistelement
T syntax	F addreplacements
F undefine	F addreplacementslist

collectgarbage function commands table

F Alphabetic	F adddrivers
F MPLIBconvertfollowtext	F addtolumnsetmvl
F MPLIBconvertoutlinetext	F addtojavascriptpreamble
F MPC	F addtolist
F MPd	F align_point_delta
F MPfromhash	F allinputpaths
F MPh	F alphabetic
F MPll	F analysefloatmethod
F MPlr	F analyzeitemgroup
F MPls	F analyzelist
F MPn	F analyzelocalanchors
F MPp	F analyzeregister
	F analyzerotate

F analyzeupcomingitemgroup	F boxlineil
F applypattern	F boxlinein
F applytobox	F boxlineir
F applytofirstcharacter	F boxlinelh
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 boxlinerh
F atwordboundary	F boxlinerp
F autofinishstructurelevels	F boxliners
F autoinsertnextspace	F boxlines
F automigrationcodestring	F boxlinedwd
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 bitwisenflip	F btxauthortoregister
F bitwisenil	F btxcmdstring
F bitwisenot	F btxcollectlistentries
F bitwisor	F btxcurrentfirstnames
F bitwiseset	F btxcurrentinitials
F bitwisheshift	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 btxdoifelsematches	F chardescription
F btxdoifelsesameasprevious	F checkcolumnset
F btxdoifelseuservariable	F checkcountersetup
F btxdoifnot	F checkedconversion
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 checkspacingavailable
F btxflushlistcombi	F checkspacingbeforepar
F btxflushlistentry	F checkstrutdepth
F btxflushlisttag	F chemicalcomponent
F btxflushmarked	F chinesenumerals
F btxflushpages	F chr
F btxhandlecite	F classoptioncodestring
F btxhandlenocite	F cleancolumnset
F btxlastofrange	F cleanfontname
F btxlistvariant	F cleanupattributes
F btxloaddefinitionfile	F cleanupbox
F btxloadjournallist	F cleanupplayers
F btxloadreplacementfile	F clonefield
F btxmissing	F closein
F btxoneorrange	F closeout
F btxpreparelistentries	F codedef
F btxremapauthor	F collectedmath
F btxsavedataset	F collectfloat
F btxsavejournallist	F collecthelp
F btxsetdataset	F columnsetbalancefirst
F btxsetentry	F columnsetbalancelast
F btxsetregister	F columnsetbalancepage
F btxsetspecification	F columnsetcolumnwidth
F btxshortcut	F columnsetdisablewide
F btxshowauthorremapping	F columnsetenablewide
F btxsingularorplurlal	F columnsetgoto
F btxtoregister	F columnsethascontent
F btxusedataset	F columnsetspan
F btxuservariable	F columnsetlastfuture
F build_page_after_shipout	F columnsetlastmvl
F build_page_before_shipout	F columnsetlimit
F build_page_setup	F columnsetnoto
F capheight	F columnsetresetdirect
F charactercontrolcodestring	F columnsetresetshapeextra

F columnsetreshape	F currentprehyphenchar
F columnsetsblockrows	F currentproduct
F columnsetsetshapeextra	F currentproject
F columnsetshape	F currentsectionontolist
F columnsetshapebalancecheck	F datasetsize
F columnsetshapebalanceextend	F datasetvariable
F columnsetshapecolumn	F day
F columnsetshapecount	F daymnem
F columnsetshapeindex	F dayname
F columnsetshapepage	F decimals
F columnsetshapesetbalancerange	F decrementcounter
F columnsetshapeslots	F decrementsubcounter
F columnsetshapepread	F deferredenhancelist
F columnsetshapepsize	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 convertmpstopdf	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 definefontscripset
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 definelabels	F discardfromlist
F definelanguage	F discriptioncodestring
F definelinkedlist	F disposeboxesincache
F definemathpreset	F disposeluatable
F definemultitonecolorglobal	F doanalyzeboxedbox
F definenamenamespace	F doif
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 doifelsecharinfont
F definereference	F doifelseconverter
F defineregister	F doifelsecounter
F definesectionlevels	F doifelsecurrentfonthasfeature
F definespotcolorglobal	F doifersedimenstring
F definestructureblock	F doifersedrawingblack
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 doifselisthasentry
F digits_reverse	F doifselisthasnumber
F directboxfromcache	F doifselisthaspage
F disableautofontscript	F doifselist hastitle
F disablecollectingmath	F doifelsemarkedcontent
F disabledirectives	F doifelsemarkedpage
F disableexperiments	F doifelsemessage
F disablejobsave	F doifelsenoteonsamepage
F disableparbuilder	F doifelseobjectfound
F disableregime	F doifelseobjectreferencefound
F disablespellchecking	F doifelseolderversion
F disablestatetriggering	F doifelseoverlapping
F disablestream	F doifelseparallel
F disabletrackers	F doifelseparentfile

F doifelsepathexist	F dosetpositionplus
F doifelsependingpagecontent	F dosetpositionstrut
F doifelseposition	F dosetpositionstrutkind
F doifelsepositiononpage	F dosetpositionwhd
F doifelsepositionsamepage	F dostarttextfile
F doifelsepositionsonthispage	F dostoptextfile
F doifelsepositionsused	F doublescriptmodecodestring
F doifelserangeonpage	F droptablegroup
F doifelsereference	F elapsedsteptime
F doifelsereferencechecked	F elapsedtime
F doifelsereferenced	F embedimagefromstore
F doifelserighttoleftinbox	F enablealignmentcharacter
F doifelsesame	F enablealignskips
F doifelsesomething	F enableasciimode
F doifelsespaces	F enableautofences
F doifelsestackedfloats	F enableautofontscript
F doifelsestructureblocksempty	F enablebackgroundalign
F doifelsesynonymshown	F enablebackgroundboxes
F doifelsesynonymused	F enablecollectingmath
F doifelsetaggednoteonsamepage	F enablecolor
F doifelseurldefined	F enablecolorintents
F doifelseutfmathaccent	F enablecrlf
F doifelseutfmathfiller	F enabledirectives
F doifelseutfmathlimop	F enabledriver
F doifelsevalidhashedfiles	F enableexperiments
F doifelsevisualizer	F enablefontcolorschemes
F doifmarkedpage	F enablehidecontent
F doifnot	F enablemathalignrelocate
F doifnotcounter	F enablematrixornaments
F doifnotecontent	F enablematrixrules
F doifnotsame	F enableparbuilder
F doifnothing	F enableregime
F doifposition	F enablescriptunstacking
F doifsame	F enablesidefloatchecker
F doifsomething	F enablespellchecking
F doifunknowntfontfeature	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 enhancelist	F flushfloat
F enhanceregister	F flushlabeledfloat
F enhancesynonym	F flushnoterange
F environment	F flushnotes
F eposcolumn	F flushpageblocks
F eposcolumnregistered	F flushpageinjectionsafter
F erasebuffer	F flushpageinjectionsbefore
F execute	F flushpostponedblocks
F exportbox	F flushpostponednotes
F exportformdata	F flushstream
F exportpreferences	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 filedirectoryname	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 getboxhtfromcache	F getparshape
F getboxwdfromcache	F getparwrapper
F getbuffer	F getprivatechar
F getbuffercontent	F getprivateglyphslot
F getbufferctxlua	F getprivatemathchar
F getbuffermkvi	F getprivateslot
F getbuffertex	F getprogram
F getcharactercasingcategory	F getrandomdimen
F getclubpenalties	F getrandomfloat
F getcurrentprefixspec	F getrandomnumber
F getcurrentreferencelabel	F getrandomseed
F getcurrentreferencemetadata	F getreadfilename
F getdefaultfieldvalue	F getreferencesectionnumber
F getdisplaywidowpenalties	F getrivers
F getdocumentargument	F getsetupstring
F getdocumentfilename	F getshapeparameter
F getfieldcategory	F getsomefullstructurenumber
F getfile	F getsomestructurenumber
F getfirstcharacter	F getspecificstructuretitle
F getfloatvariable	F getstructurelevel
F getfromluatable	F getstructurenumber
F getfullstructurenumber	F getsubstring
F getinterlinepenalties	F getsynchronizemarking
F getinternalcachedlistreference	F geturl
F getinternallistreference	F getvisual
F getinternalorderreference	F getwidowpenalties
F getmathblobindex	F globalpopmacro
F getmathblobmapping	F globalpushmacro
F getmathcharone	F glueto-linesinbox
F getmathchartwo	F glyphoptioncodestring
F getmathmathblob	F gobblenested
F getmathtextblob	F gotocolumnsetslot
F getmathvariant	F grabbuffer
F getmessage	F groupcodestring
F getmpextensions	F groupsetgroup
F getnaturalldimensions	F grph_nodes_initialize
F getnaturalwd	F grph_nodes_register
F getnofpreviouslines	F grph_nodes_reset
F getnotestate	F grph_nodes_resolve
F getnotestorecount	F handlemathhang
F getnotestoreflushed	F hboxtovbox
F getobjectdimensions	F heightofstring
F getobjectreference	F helpaction
F getobjectreferencepage	F helppreference

F hour	F initializemathitalics
F hpackbox	F initializemathkernpairs
F packedbox	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 ifglueinlineinbox	F injectzerobaselineskip
F ifinset	F inlinechemical
F iflua	F inputfilebasename
F ifmode	F inputfilename
F ifmodes	F inputfilerealsuffix
F ifmvl	F inputfilesuffix
F ifpositnum	F insertattachment
F ifsetups	F insertcategorycodestring
F ifsystemmode	F insertcomment
F iftext	F insertfield
F ifxml	F insertionnumber
F ifxmlatt	F insertoptioncodestring
F ifxmlatempty	F insertrenderingwindow
F ifxmlempy	F inspectluatable
F ifxmlselfempty	F installedlanguages
F ifxmltext	F installtexdirective
F ignorefile	F installtexexperiment
F ignoretagsinexport	F installtextracker
F immediatemessage	F interceptsamepagecontent
F includesvgbuffer	F it
F includesvgfile	F jobfilefullname
F incrementcounter	F jobfilename
F incrementsubcounter	F jobfilesuffix
F inhibitprimitive	F jobposd
F initializeexport	F jobposh
F initializejob	F jobposp
F initializemathcollapsing	F jobposw
F initializemathfencing	F jobposx

F jobposy	F listuserdata
F languagecharwidth	F lmt_parameters_define
F languagenumber	F lmt_parameters_preset
F lastblobindex	F lmt_parameters_reset
F lastnodequals	F loadcldfile
F lastnodeid	F loadcldfileonce
F lastnodeidstring	F loadexamodes
F lastnodesubtypestring	F loadfontgoodies
F lastparwrapper	F loadlibrary
F lastrpos	F loadluofile
F lastsavedboxresourceindex	F loadluofileonce
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 lateudent	F loadxmlfileonce
F lchexnumber	F localanchorx
F lchexnumbers	F localanchory
F leapyear	F localboxindent
F limitated	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 localboxparfillrights skip
F listnamespaces	F localboxparinitleftskip
F listprefixednumber	F localboxparinitrights skip
F listprefixedpage	F localboxprogress
F listrawnumber	F localboxrighthang
F listrawrealpage	F localboxrightoffset
F listrawuserpage	F localboxrights skip
F listsigncodestring	F localpopmacro
F listsize	F localpushmacro
F listtitle	F locatefilepath

F loopcs	F mixfinalize
F loopcsn	F mixflushlist
F lousiness	F mixflushrest
F luocardinal	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 monthmnem
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 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 mpsetsxsy
F markregionboxtaggedn	F mpsettext
F markvisualfonts	F mptexget
F mathclassvalue	F mp texreset
F mathcontrolcodestring	F mp texset
F mathhorizontalcode	F mp texsetfrombuffer
F mathoptioncodestring	F mp texttoks
F mathrenderset	F mvoptioncodestring
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 newstacking	F parcontextcodestring
F nextparallel	F pardir
F nextsubcountervalue	F parpasscallback
F nodimen	F parpassidentifier
F nobufferlines	F parpos
F nocoverflows	F partriggercodestring
F nofdays	F pdfbackendcurrentresources
F nodedetachedinsertions	F pdfbackendsetcatalog
F noflinesinbox	F pdfbackendsetcolorspace
F nofmathvariants	F pdfbackendsetextgstate
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 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 pfasin
F operatingystem	F pfatan
F ordinal	F pfatanh
F outputfilename	F pfatantwo
F overloadbookmark	F pfceil
F overloadlowercase	F pfco
F overloadsattribute	F pfcoh
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 pfra	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 poprandomseed	F pushhyphenation
F popreferenceprefix	F pushlist
F popregime	F pushlocalanchors
F poprunstate	F pushlogfile
F possectionblock	F pushparagraphtweak
F positnum	F pushpath
F positnumdef	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 qrcodebuffer
F presetmathematics	F qrcodestring
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 readline	F registerobject
F readlinedirect	F registerpattern
F recolorbox	F registerpostponedblock
F referencecolumn	F registerreferencedobject
F referencepagedetail	F registerrendering
F referencepagestate	F registersection
F referenceposx	F registershowsynonym
F referenceposy	F registersnaprange
F referencerealpage	F registerstructureprocessor
F registeranchorbox	F registersynchronize
F registerattachment	F registersynonym
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 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 revivefeature	F setcharactercasing
F rightmathkern	F setcharactercleaning
F romannumerals	F setcharacterkerning
F rotateparshape	F setcharacterspacing
F rounded	F setcharacterstripping
F roundedfill	F setclosedocumentaction
F roundedoutline	F setclosepageaction
F ruby	F setcolormodel
F ruleoptioncodestring	F setcolumnsetarea
F runcontextjob	F setcolumnsetlines
F safechar	F setcolumnsetmv1
F samplefile	F setcolumnsetpresent
F saveboxresource	F setcolumnsetproperties
F savebuffer	F setcolumnsetstart
F savecounter	F setcomparetext
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 setdocumentargment
F savemargindata	F setdocumentcommandline
F savenote	F setdocumentctxfile

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 sethsizecolumnset	F setopenpageaction
F sethsizecolumnspan	F setowncounter
F sethyphenatedurlcharacters	F setownsubcounter
F sethyphenationfeatures	F setpagecolormodel
F sethyphenationmethod	F setpagestate
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F setinitial	F setpagetransition
F setinitialsectionblock	F setparagraphmetashape
F setinjector	F setparagraphshape
F setinsertionlocation	F setparbuilder
F setinsertmigration	F setparwrapper
F setinterfaceconstant	F setpdfcompression
F setinterfaceelement	F setperiodkerning
F setinterfacemessage	F setpostlistbox
F setinterfacemessages	F setprelistbox
F setinterfacevariable	F setprofile
F setinternalreference	F setrandomseed
F setitaliccorrection	F setrealign
F setjavascriptpreamble	F setrealspaces
F setjobcomment	F setreferencelinkmethod
F setlanguageexceptions	F setregionbox
F setlanguageoptions	F setregionboxtagged
F setlanguagepatterns	F setregistermethod
F setlanguagesynonym	F setreplacements

F setruby	F settagtablecell
F setrule	F settagtabulatecell
F setscrip	F settransliteration
F setsectionblock	F setupbookmarks
F setsectionentry	F setupcanvas
F setshadow	F setupcharacterspacing
F setshift	F setupcomparingtext
F setsoftyphens	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 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 showbtxtdatasetauthors
F settaglist	F showbtxtdatasetcompleteness
F settagmarginanchor	F showbtxtdatasetfields
F settagmargintext	F showbtxentry
F settagmpgraphic	F showbtxtfields
F settagnotation	F showbtxhashedauthors
F settagnotationsymbol	F showbtxttables
F settagparagraph	F showbtxtvariants
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 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 spacedigits	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 storenote	F synctexresume
F storeregister	F synctexsetfilename
F strc_tags_document_pop	F synonymfirstuserpage
F strc_tags_document_push	F synonymmeaning
F strc_tags_get_element_tag	F synonymname
F strc_tags_parcounter_pop	F synonympages
F strc_tags_parcounter_push	F synonymuserpages
F strc_tags_set_aspect	F systemlog
F strc_tags_set_element_user_properties	F tabl_ntb_get_sec
F strc_tags_start	F tabl_ntb_set_sec
F strc_tags_start_chained	F tagmfunctionlab
F strc_tags_start_detail	F tagmfunctionlabattribute
F strc_tags_start_ignore	F tan
F strc_tags_start_userdata	F tand
F strc_tags_stop	F textdir
F stringtoorientation	F textime
F structureautocatcodedget	F tf
F structureblockuservariable	F thebox
F structurecatcodedget	F thefirstcharacter
F structuregivencatcodedget	F themaxboxwidth
F structurenumber	F theremainingcharacters
F structuretitle	F tightfitcompensation
F structureuservariable	F timestring
F structurevariable	F tobigpoints
F subcountervalue	F tobit
F subsubcountervalues	F tobits
F subtocolumnsetmv1	F tochar
F subtocolumnsetmv1balance	F tohexa
F subtractfeature	F toorientation
F svghashed	F totalofstring
F sync	F tounicharnum
F synccolor	F towholebigpoints
F synccolorclone	F transliterate
F synccolorcount	F transliteratebuffer
F synchronizelocalanchors	F transliterated
F synchronizemarking	F transliteratedbuffer
F synchronizesteps	F transliterationexception
F synchronizestream	F traverseblock
F synctexblockfilename	F traversemath
F synctexdisable	F triggerpagebuilder
F synctexpause	F truefilename
F synctexpoline	F truefontname
F synctexpushline	F type
F synctexresetfilename	F typebuffer

F typefile	F utfmathstretch
F uchar	F utfshape
F uchexnumber	F utfstrip
F uchexnumbers	F utfupper
F undefinechemical	F uuid
F unicodechar	F vboxlisttobox
F unihex	F verbose
F unit	F vpackbox
F unloadlanguage	F vpackedbox
F unsupporteddcs	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 writeln
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 useluamodule	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 userefferences	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 xmلافtersetup
F utflower	F xmlall
F utfmathclass	F xmlappendsetup
F utfmathcommand	F xmlapplyselectors
F utfmathcommandfiller	F xmlatt
F utfmathfiller	F xmlattdef

F <code>xmlattribute</code>	F <code>xmlflushlinewise</code>
F <code>xmlattributedef</code>	F <code>xmlflushpure</code>
F <code>xmlbadinclusions</code>	F <code>xmlflushsetups</code>
F <code>xmlbeforeresetup</code>	F <code>xmlflushspacewise</code>
F <code>xmlchainatt</code>	F <code>xmlflushtext</code>
F <code>xmlchainattdef</code>	F <code>xmlformulatobuffer</code>
F <code>xmlchecknamespace</code>	F <code>xmlfunction</code>
F <code>xmlcommand</code>	F <code>xmlgetindex</code>
F <code>xmlconcat</code>	F <code>xmlinclude</code>
F <code>xmlconcatrange</code>	F <code>xmlincludeoptions</code>
F <code>xmlcontext</code>	F <code>xmlinclusion</code>
F <code>xmlcount</code>	F <code>xmlinclusionbase</code>
F <code>xmlcssmappedstylevalue</code>	F <code>xmlinclusions</code>
F <code>xmlcssstylevalue</code>	F <code>xmlindex</code>
F <code>xmldelete</code>	F <code>xmlinlineverbatim</code>
F <code>xmldepth</code>	F <code>xmlinstalldirective</code>
F <code>xmldirect</code>	F <code>xmllast</code>
F <code>xmldirectives</code>	F <code>xmllastatt</code>
F <code>xmldirectivesafter</code>	F <code>xmllastmatch</code>
F <code>xmldirectivesbefore</code>	F <code>xmllastpar</code>
F <code>xmldisplayverbatim</code>	F <code>xmlloadbuffer</code>
F <code>xmldoif</code>	F <code>xmlloaddata</code>
F <code>xmldoifatt</code>	F <code>xmlloaddirectives</code>
F <code>xmldoifelse</code>	F <code>xmlloadentities</code>
F <code>xmldoifelseatt</code>	F <code>xmlloadfile</code>
F <code>xmldoifelseempty</code>	F <code>xmlmain</code>
F <code>xmldoifselfempty</code>	F <code>xmlmatch</code>
F <code>xmldoifselisetext</code>	F <code>xmlname</code>
F <code>xmldoisempty</code>	F <code>xmlnamespace</code>
F <code>xmldoifnot</code>	F <code>xmlnonamespace</code>
F <code>xmldoifnotatt</code>	F <code>xmlpar</code>
F <code>xmldoifnotempty</code>	F <code>xmlparam</code>
F <code>xmldoifnotselfempty</code>	F <code>xmlpath</code>
F <code>xmldoifnottext</code>	F <code>xmlpopmatch</code>
F <code>xmldoifselfempty</code>	F <code>xmlpos</code>
F <code>xmldoiftext</code>	F <code>xmlprependsetup</code>
F <code>xmlelement</code>	F <code>xmlpure</code>
F <code>xmlfileline</code>	F <code>xmlpushmatch</code>
F <code>xmlfilename</code>	F <code>xmlraw</code>
F <code>xmlfilter</code>	F <code>xmlrawtex</code>
F <code>xmlfilterlist</code>	F <code>xmlrefatt</code>
F <code>xmlfirst</code>	F <code>xmlregistersns</code>
F <code>xmlflush</code>	F <code>xmlremapname</code>
F <code>xmlflushcontext</code>	F <code>xmlremapnamespace</code>

F	xmlremovesetup	F	write
F	xmlresetinjectors	context	function
F	xmlresetsetups	F	bc
F	xmlsave	F	bgroup
F	xmlsetatt	T	catcodes
F	xmlsetattribute	N	context
F	xmlsetcommandtonone	N	ctx
F	xmlsetcommandtotext	N	ctxcatcodes
F	xmlsetentity	N	plain
F	xmlsetinjectors	N	protect
F	xmlsetpar	N	prt
F	xmlsetparam	N	prtcatcodes
F	xmlsetup	N	tex
F	xmlsnippet	N	texcatcodes
F	xmlstartraw	N	text
F	xmlstarttiming	N	txt
F	xmlstopraw	N	txtcatcodes
F	xmlstoptiming	N	verbatim
F	xmlstrip	N	verb
F	xmlstripanywhere	N	vrbcatcodes
F	xmlstripeverything	F	char
F	xmlstripnolines	F	concat
F	xmlstripped	D	conditionals
F	xmlstrippednolines	T	core
F	xmltag	F	BC
F	xmltexatt	F	EQ
F	xmltexentity	F	FL
F	xmltext	F	HL
F	xmltobuffer	F	LABELTEXT
F	xmltobuffertextonly	F	LL
F	xmltobufferverbose	F	LuaSnippet
F	xmltofile	F	LuaSnippetBoundary
F	xmltoparameters	F	LuaSnippetComment
F	xmlverbatim	F	LuaSnippetCommentText
F	xmlwithindex	F	LuaSnippetName
F	year	F	LuaSnippetNameBase
containers	table	F	LuaSnippetNameCore
F	cleanname	F	LuaSnippetNameLibraries
F	content	F	LuaSnippetQuote
F	define	F	LuaSnippetSpecial
F	is_usable	F	LuaSnippetString
F	is_valid	F	ML
F	read	F	MPLIBsetCtextX
B	usecache	F	MPLIBsetNtextX

F MPLIBsettextX	F bgroup
F MetapostSnippet	F blank
F MetapostSnippetBoundary	F btxchecklistentry
F MetapostSnippetComment	F btxciteauthorsetup
F MetapostSnippetCommentText	F btxcitesetup
F MetapostSnippetConstructor	F btxflushauthor
F MetapostSnippetName	F btxhandlecombientry
F MetapostSnippetNameMetafun	F btxhandlelistentry
F MetapostSnippetNamePlain	F btxlistauthorsetup
F MetapostSnippetNamePrimitive	F btxlistsetup
F MetapostSnippetQuote	F btxnumberingsetup
F MetapostSnippetSpecial	F btxpagesetup
F MetapostSnippetString	F btxsetafter
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 btxstartauthor	F vtop
F btxstartcite	F ctxreport
F btxstartciteauthor	F definebodyfont
F btxstartcombientry	F definefontfallback
F btxstartlistentry	F definefontsynonym
F btxstartsubcite	F definetypeface
F btxstopauthor	F digitsdigit
F btxstopcite	F digitsfinalcomma
F btxstopciteauthor	F digitsfinalperiod
F btxstopcombientry	F digitshighspace
F btxstoplistentry	F digitsintermediatecomma
F btxstopsubcite	F digitsintermediateperiod
F btxsubcitesetup	F digitsminus
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 digitszeropadding
F colordefflt	F doactivateinjector
F colordefrgc	F doboxfigureobject
F colordefrgt	F docheckfigurebuffer
F colordefrlc	F docheckfigurecld
F colordefrlt	F docheckfigureprun
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 dofromurlliteral	F mathematics
F doinlineverbatimbeginline	F mathord
F doinlineverbatimemptyline	F mathrel
F doinlineverbatimnewline	F nointerlineskip
F doinlineverbatimstart	F nostarthead
F doinlineverbatimstop	F nostophead
F domarkinjection	F overstrike
F donestedtypingstart	F page
F donestedtypingstop	F page_mvl_set_area
F doscalefigure	F par
F dosetfastregisterentry	F pdfliteral
F dosetfigureobject	F popcatcodetable
F dostarthead	F processfilemany
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 endbbox	F registerseword
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 startcolumns	F synonymentry
F startfontclass	F tabulaterow
F startfoundexternalfigure	F tabulaterowbold
F starthboxregister	F tabulaterowtyp
F startreadingfile	F tabulaterowtype
F startregisterentries	F texsetup
F startregisterentry	F typ
F startregisteroutput	F unitsC
F startregisterpages	F unitsN
F startregistersection	F unitsNspace
F startregisterseewords	F unitsNstart
F starttabulate	F unitsNstop
F starttext	F unitsO
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 unitsRT0
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 xmlcdataafter
F stopreadingfile	F xmlcdatabefore
F stopregisterentries	F xmlcdataobeyedline
F stopregisterentry	F xmlcdataobeyedspace
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 escaped	T nuts
F firstofoneargument	F flush
F firstoftwoarguments	F store
T formatted	F par
F monobold	F popcatcodes
F verbatim	F poplogger
F fprintf	F printlines
T functions	F printtable
F callonce	F protect
T known	T protected
F register	T puretext
F reserve	F pushcatcodes
F unregister	F pushlogger
F getlogger	T registers
F glyph	F newbox
F gobbleoneargument	F newchar
T hashdtables	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 newverboseshandler	T templates
T nodes	F tobuffer
F flush	T tocontext
F store	F boolean
F nr	F function

F nil	F XmlSnippetComment
F number	F XmlSnippetEntity
F string	F XmlSnippetEqual
F table	F XmlSnippetKey
D tokenizedcs	F XmlSnippetName
F tolines	F XmlSnippetString
F trialtypesetting	F ctxreport
F unprotect	F viafile
F utfchar	converters table
T verbatim	F A
F LuaSnippetBoundary	F A:es
F LuaSnippetComment	F A:ru
F LuaSnippetCommentText	F A:sl
F LuaSnippetName	F AK
F LuaSnippetNameBase	F Alphabetic
F LuaSnippetNameCore	F Alphabetic:es
F LuaSnippetNameLibraries	F Alphabetic:ru
F LuaSnippetQuote	F Alphabetic:sl
F LuaSnippetSpecial	F Character
F LuaSnippetString	F Characters
F MetapostSnippetBoundary	F I
F MetapostSnippetComment	F KA
F MetapostSnippetCommentText	F KR
F MetapostSnippetConstructor	F R
F MetapostSnippetName	F RK
F MetapostSnippetNameMetafun	F Romannumerals
F MetapostSnippetNamePlain	F Russiannumerals
F MetapostSnippetNamePrimitive	F Sloveniannumerals
F MetapostSnippetQuote	F Spanishnumerals
F MetapostSnippetSpecial	F Word
F MetapostSnippetString	F Words
F ParsedXmlSnippetCdata	F a
F ParsedXmlSnippetComment	F a:es
F ParsedXmlSnippetDoctype	F a:ru
F ParsedXmlSnippetElement	F a:sl
F ParsedXmlSnippetInstruction	F abjadnodotnumerals
F TexSnippetBoundary	F abjadnumerals
F TexSnippetComment	F alphabetic
F TexSnippetCommentText	F alphabetic:es
F TexSnippetGroup	F alphabetic:ru
F TexSnippetName	F alphabetic:sl
F TexSnippetSpecial	F character
F XmlSnippetBoundary	F characters
F XmlSnippetCdata	F chineseanlnumerals

F chinesecapnumerals	F tohebrew
F chinesedatenumerals	F toroman
F chinesenumerals	F totime
F chr	F uchexnumber
F chrs	F uchexnumbers
F cn	F upper
F cn-a	T verbose
F cn-c	D data
F cn-d	F translate
F convert	F weekday
F decimals	F word
F define	F words
F gregorian_to_hebrew	coroutine
F gregorian_to_jalali	table
F hebrewnumerals	F close
T helpers	F create
F hexstringtonumber	F isyieldable
F i	F resume
F isleapyear	F running
F jalali_to_gregorian	F status
F lchexnumber	F wrap
F lchexnumbers	F yield
F leapyear	ctxrunner
F lower	table
F max	F load
F maxchrs	F preparedfile
F nicenumber	D prepfiles
F nofdays	F resolve
F number	debug
F numbers	table
F octnumber	F getinfo
F octstringtonumber	F sethook
F ordinal	F traceback
F r	dimen
F romannumerals	function
F russiannumerals	dir
D sequences	table
F settime	F collectpattern
F sloveniannumerals	F current
F spacedigits	F expandlink
F spanishnumerals	F expandname
F textime	F found
F toabjad	F glob
F tochinese	F globdirs
	F globfiles
	F globpattern
	F ls
	F makedirs
	F mkdirs

F pop		F convert
F push		T converters
directives	table	F analyze
D data		F engine
F default		F lmtx
F disable		F resyncbox
T done		F enable
F enable		F finalize
F list		F gethpos
S name		F gethvrpos
F register		F getpos
F report		F getrpos
F reset		F getvpos
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 steopoctave
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

D filesynonyms	F truefilename
N forcedruns	F useluamodule
F getargument	F usemodules
F globfiles	D validengines
S homedir	S version
B initex	error
B initexmode	experiments
F initializearguments	D data
F initializefilenames	F default
S inputfilebarename	F disable
S inputfilename	F enable
S inputfilesuffix	F list
S jobfullname	S name
S jobfilename	F register
S jobfilesuffix	F report
N kindofrun	F reset
N lmtxmode	F show
F loadexamodes	F value
F loadluofile	F values
F luofile	figures
F luofilechunk	table
S luatexengine	F applyratio
N luatexfunctionality	F badname
S luatexverbose	D bases
N luatexversion	F bitmapimage
N maxnofruns	N boxnumber
S oldhome	F bytепalette
D originalarguments	D cachepaths
S outputfilename	F check
S ownbin	D checkers
S ownmain	D conversions
S ownname	D converters
S ownpath	F current
B prerollrun	N defaultdepth
D rawarguments	N defaultheight
F reconstructcommandline	B defaultsearch
F relativepath	N defaultwidth
F setargument	F done
F splitarguments	F dummy
S suffix	D exists
F texfile	F exists
S texmfos	D formats
S texos	D found
S texroot	F get
	F getinfo

F getpdfinfo	D remappers
F getrealpage	D resources
F guess	F scale
F guessfromstring	F set
F hash	F setconversion
D identifiers	F setlookups
F identify	F setorder
T images	F setpaths
F check	D suffixes
F checksize	D used
F copy	file table
F create	F addsuffix
F embed	F basename
F embedfromstore	F checksum
F fetchdata	F collapsepath
F print	F copy
F resetdata	F dirname
F resetstore	F expandname
F scan	F extname
F serialize	F is_qualified_path
F storedata	F is_readable
F totable	F is_rootbased_path
F wrap	F is_writable
F include	F isreadable
D includers	F iswritable
F initialize	F join
D loaded	F joinpath
D localpaths	F loadchecksum
D magics	F nameonly
F mergegoodies	F nametotable
N nofmissing	F needs_updating
N nofprocessed	F needsupdating
D order	F pathpart
T palettes	F readdata
D paths	F removesuffix
D patterns	F replacesuffix
F pop	F reslash
B preferquality	F robustname
D programs	F savechecksum
F push	F savedata
F qrcode	F size
F registerpattern	F splitbase
F registerresource	F splitname
F registersuffix	F splitpath

F suffix		F analysemethod
F suffixes		F checkedpagefloat
F suffixesonly		F collect
F suffixonly		F consult
F syncmtimes		F flush
F withinbase		F getvariable
fio	table	
F getposition		F hasstacked
F read2dot14		F nofstacked
F readbytes		F pop
F readbytetable		F push
F readcardinal1		F resave
F readcardinal1le		F save
F readcardinal2		F stacked
F readcardinal2le		
F readcardinal3		font table
F readcardinal3le		F addcharacters
F readcardinal4		F addquality
F readcardinal4le		F current
F readcardinaltable		F define
F readcline		F getfont
F readcstring		F getfontdimen
F readfixed2		F getfontfields
F readfixed4		F getfontspec
F readinteger1		F getmathcharacterfields
F readinteger1le		F getmathindex
F readinteger2		F getmathspec
F readinteger2le		F getparameterfields
F readinteger3		F gettextcharacterfields
F readinteger3le		F id
F readinteger4		F max
F readinteger4le		F nextid
F readintegertable		F setfont
F setposition		F setfontdimen
F skipposition		F xscaled
F writecardinal1		F yscaled
F writecardinal1le		
F writecardinal2		fonts table
F writecardinal2le		T analyzers
F writecardinal3		D features
F writecardinal3le		D initializers
F writecardinal4		D methods
F writecardinal4le		F setstate
floats	table	D states
		B useunicodemarks
		T callbacks
		F compile

F devirtualize	F hashinstance
T checkers	F initializefeatures
F getmissing	D loadedfonts
D mapping	N noffontsloaded
F missing	Nnofsharedfonts
F placeholder	Nnofsharedhashes
T cid	Nnofsharedvectors
F getmap	Nprivateoffset
F loadfile	Dprivateslots
T collections	Freadanddefine
F checkenabled	Fregisterfeature
F clonevector	Fregisterscriptset
F define	Fresetfeature
F direct	Bresolvevirtualtoo
F found	Fscale
F prepare	Fscaled
F process	Fsetfactor
F register	Fsetfeature
F registermain	Fsetmathparameter
F report	Fsetname
F reset	Bsharefonts
T constructors	Ftrytosharefont
F addcharacters	Nversion
F addcoreunicodes	Fcurrent
F aftercopyingcharacters	Fcurrentid
F applyfinalizers	Tdefiners
F applymanipulators	Faddlookup
F assignmathparameters	Fanalyze
F beforecopyingcharacters	Fapplypostprocessors
F beforepassingfonttotex	Fcheckedmode
D cache	Fcheckedscript
F calculatescale	Sdefaultlookup
F checkedfeatures	Fdefine
F checkedfilename	Fgetspecification
F collectprocessors	Finternal
F currentfonthasfeature	Floadfont
D designsizes	Fmakespecification
F enhanceparameters	Fread
N factor	Fregister
F finalize	Fregistered
F getfeatureaction	Fregisterfallbackfont
F getmathparameter	Fregistersplit
F getprivate	Fresetnullfont
F hashfeatures	Fresolve

F	definetypeface	D	descriptions
T	dropins	D	dynamics
F	clone	D	emwidths
F	getshape	D	exheights
F	getshapes	D	features
F	nextid	D	identifiers
F	provide	D	italics
F	registerglyph	D	lastmathids
F	registerglyphs	D	marks
F	swap	D	mathparameters
F	swapone	D	modes
T	effects	D	originals
T	encodings	D	parameters
D	cache	D	properties
F	is_known	D	quads
D	known	D	resources
F	load	D	spaces
F	make_unicode_vector	D	spacings
D	math	D	unicodes
N	version	D	unislots
F	enhanceid	D	variants
D	expansions	D	xheights
D	formats	T	helpers
F	getalternate	F	addextraprivate
F	getindices	F	addprivate
F	getkern	F	appendcommands
F	getmultiple	F	appendcommandtable
F	getsubstitution	F	checkflags
T	getters	F	checkmerge
T	goodies	F	checksteps
D	colorschemes	F	collectanchors
D	designsizes	F	combineglyphs
D	filenames	D	commands
F	getcompositions	F	composecharacters
F	load	F	descriptiontoslot
F	prepare_features	F	dimenfactor
F	register	F	expandglyph
F	registerpostprocessor	D	extraprivates
F	report	F	fontpatternhassize
T	handlers	F	getcoloredglyphs
T	hashes	F	getdigitwidth
D	characters	F	getinstancespec
D	classes	F	getparameters
D	csnames	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
F infofont
T iterators
F characters
F descriptions
F glyphs
T loggers
F format
F onetimemessage
F register
F reportdefinedfonts
F reportusedfeatures
T mappings
F addtounicode
F fromunicode16
F getentry
F loadfile
F loadline
F makenameparser
D overloads
F reset
F tounicode
F tounicode16
F tounicode16sequence
T metapost
F baseline
F boundingbox
F boxtomp
F boxtompdimensions
F boxtompposition
F draw
F fill
F glyph
F maxbounds
F paths
F widthline
F zeroline
F mode
D names
D nulldata
T privateoffsets
B keepnames
N mathbase
N mathextrabase
N textbase
N textextrabase
D protrusions
T readers
F afm
F check_lua
F check_tfm
F lua
F ofm
F opentype
F otf
F pfb
D sequence
F tfm
F ttc
F ttf
F woff
F registersanitizer
F reserveid
T select

D alternatives	T tables
F bodyfont	F toeffect
D data	T tracers
F default	T treatments
D defaults	F applyfixes
F definefallbackfamily	D data
F definefontfamily	S filename
F definefontfamilypreset	F ignoredfile
D extras	F report
F fallback	F trace
D fallbacks	T typefaces
F features	functions table
F filefallback	F dummy
F fontdata	getmetatable function
F fontfallback	globaldata table
F fontsynonym	N CONTEXTLMTXMODE
F goodies	N LUAFORMAT
F mathfallback	N LUAMAJORVERSION
D methods	N LUAMINORVERSION
D presets	S LUATEXENGINE
F registerfallback	N LUATEXFORMATID
F registerfiles	N LUATEXFUNCTIONALITY
F registerfontalternative	S LUATEXVERBOSE
F registerfontfamily	N LUATEXVERSION
F textfallback	N LUAVERSION
F typeface	T MP
F typescript	F SAVEDREQUIRE
F userdata	T aes
T specifiers	F decode
D contextmerged	F encode
F contextnumber	F random
D contextnumbers	T arg
D contextsetups	F assert
F contexttostring	T attributes
F definecontext	F applyoverloads
F mergecontext	F checkvalues
F presetcontext	D counts
F registercontext	F define
F showcontext	F getvalue
F splitcontext	F getvalues
D synonyms	F hasvalues
D variants	D list
T symbols	F markasoverload
F uselibrary	D names

D numbers	F lshift
F ofnode	F replace
F private	F rrotate
F public	F rshift
F registervalue	T blobs
F restore	F append
F save	F dimensions
F setcleaner	F dispose
F showcurrent	F new
F system	F pack
F tooverloads	F strdp
N unsetvalue	F strhd
D values	F strht
T backends	F strwd
F closeout	F tohpack
S current	F tonodes
F getcallbackstate	F tovpack
F initialize	F write
F latelua	T boolean
F nothing	F tocontext
F openout	F tonumber
F setencryption	T buffers
F writeout	F append
T basexx	F assign
F decode16	F collectcontent
F decode64	F empty
F decode85	F erase
F decodeLZW	F exists
F decodeRL	F get
F encode16	F getcontent
F encode64	F getctxlua
F encode85	F getlines
F encodeLZW	F getmkvi
F encodeRL	F gettex
T bibtex	F loadcontent
T bit32	F prepend
F arshift	F raw
F band	F run
F bnot	F samplefile
F bor	F splitsamplefile
F btest	F undent
F bxor	T builders
F extract	F checkparcontext
F lrotate	F checksidefloat

F parpassidentifier	F setfirstwritablefile
D passnames	F setluanames
F registerpaspasscallback	F treehash
T bytemap	F usedpaths
F bounds	T callback
F clip	F find
F copy	F getindex
F dimensions	F getoptions
F domain	F getoptionvalues
F downgrade	F getstate
F downsample	F getstatevalues
F getbyte	F known
F getbytes	F list
F getvalue	F names
F hasbytegray	F register
F hasbyterange	F setoptions
F hasbytergb	F setstate
F new	F testonly
F newdomain	F usage
F process	T callbacks
F reduce	F freeze
F reset	F getcomment
F setgray	F getstates
F setgrayadd	F known
F setgraymin	F optimizer
F setrgb	F pop
F slicegray	F push
F slicerange	F register
F slicergb	F report
T caches	T catcodes
S base	D names
F collapsecontent	D numbers
F configfiles	F register
F contentstate	T characters
F getfirstreadablefile	F addcharacternames
F getreadablepaths	F adobename
F getwritablepath	D bidi
F hashed	F blockrange
F is_writable	D blocks
F loadcontent	D can_have_space
F loaddata	D categories
S more	F category
F savecontent	D categorytags
F savedata	D collapsed

D combined	F shape
F contextname	F shaped
D csletters	D shash
D data	D shchars
D decomposed	D shcodes
F description	F showstring
D descriptions	D specialchars
D detailtags	D specials
F emojiized	D synonyms
D encodes	F tonumber
D entities	D ucchars
D fallbacks	F uccode
D filters	D uccodes
F fromnumber	D uhash
D fschars	F unicodechar
D fscodes	F upper
F getrange	D verbosemarks
D graphemes	T chemistry
D hangul	F component
F initialize	F define
D is_character	D definitions
D is_command	S format
D is_hyphenator	F inlinechemical
D is_letter	S instance
D is_mark	S method
D is_nothing	F molecule
D is_punctuation	U moleculeparser
D is_spacing	F start
D is_symbol	F stop
D lcchars	F undefine
F lccode	F collectgarbage
D lccodes	T commands
F lettered	F Alphabetic
D lhash	F MPLIBconvertfollowtext
D linebreaks	F MPLIBconvertoutlinetext
F lower	F MPc
D mathlists	F MPd
D otfscripts	F MPfromhash
D ranges	F MPf
F registerentities	F MPll
F remap_hangul_syllabe	F MPlr
F setactivecatcodes	F MPls
F setlettercatcodes	F MPn
F setothercatcodes	F MPp

F MPpdata	F analyzeupcomingitemgroup
F MPplus	F applypattern
F MPpos	F applytobox
F MPr	F applytofirstcharacter
F MPrest	F arraycompare
F MPrs	F arrayequals
F MPul	F arrayvalue
F MPur	F ascender
F MPw	F askedreference
F MPwhd	F assignbuffer
F MPx	F async
F MPxy	F attachinsertion
F MPxywhd	F attachinsertions
F MPy	F atwordboundary
F Romannumerals	F autofinishstructurelevels
F actualday	F autoinsertnextspace
F actualmonth	F automigrationcodestring
F actualyear	F autonextstructurelevel
F adaptfontfeature	F autorule
F adaptivecheckbox	F autosetups
F addbtxentry	F autostarttext
F addcounter	F autostoptext
F adddefaultsuffix	F badnessmodecodestring
F addfeature	F balanceshapeextra
F addfontpath	F benchmarktimer
F addgrapheme	F bf
F addlinenumbers	F bi
F addlinklistelement	F bitmapimage
F addreplacements	F bitwise
F addreplacementslist	F bitwiseand
F adddrivers	F bitwisenil
F addtolumnset	F bitwisenot
F addtolumnsetmv	F bitwiseror
F addtojavascriptpreamble	F bitwiseset
F addtolist	F bitwisheshift
F align_point_delta	F bitwisexor
F allinputpaths	F blockcolumnset
F alphabetic	F blockligatures
F analysefloatmethod	F boolcase
F analyzeitemgroup	F boxdir
F analyzelist	F boxline
F analyzelocalanchors	F boxlinedp
F analyzeregister	F boxlineht
F analyzerotate	

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 boxlinend	F btxfirstofrange
F boxlinenh	F btxflush
F boxlinenw	F btxflushlistcombi
F boxlinerh	F btxflushlistentry
F boxlinerp	F btxflushlisttag
F boxliners	F btxflushmarked
F boxlines	F btxflushpages
F boxlinewd	F btxhandlecite
F boxoptioncodestring	F btxhandlenocite
F boxrangedp	F btxlastofrange
F boxrangeht	F btxlistvariant
F boxrangewd	F btxloaddefinitionfile
F boxtostring	F btxloadjournallist
F bposcolumn	F btxloadreplacementfile
F bposcolumnregistered	F btxmissing
F bs	F btxoneorrange
F btxabbreviatedjournal	F btxpreparelistentries
F btxaddentry	F btxremapauthor
F btxaddjournal	F btxsavedataset
F btxauthor	F btxsavejournallist
F btxauthorfield	F btxsetdataset
F btxauthortoregister	F btxsetentry
F btxcmdstring	F btxsetregister
F btxcollectlistentries	F btxsetspecification
F btxcurrentfirstnames	F btxshortcut
F btxcurrentinitials	F btxshowauthorremapping
F btxcurrentjuniors	F btxsingularorplural
F btxcurrentsurnames	F btxtoregister
F btxcurrentvons	F btxusedataset
F btxdetail	F btxuservariable
F btxdirect	F build_page_after_shipout
F btxdoif	F build_page_before_shipout
F btxdoifelse	F build_page_setup
F btxdoifelsecitedone	F capheight
F btxdoifelsecombiinlist	F charactercontrolcodestring

F chardescription	F columnsetreshape
F checkcolumnset	F columnsetsblockrows
F checkcountersetup	F columnsetshapeextra
F checkedconversion	F columnsetshape
F checkedemoji	F columnsetshapebalancecheck
F checkedpagefloat	F columnsetshapebalanceextend
F checkinjector	F columnsetshapecolumn
F checkinterfacechain	F columnsetshapecount
F checkmarkedpages	F columnsetshapeindex
F checknesting	F columnsetshapepage
F checkspacingavailable	F columnsetshapersetbalancerange
F checkspacingbeforepar	F columnsetshapeslots
F checkstrutdepth	F columnsetshapespread
F chemicalcomponent	F columnsetshapevsize
F chinesenumerals	F columnsetshapeworst
F chr	F columnsetshowgrid
F classoptioncodestring	F columnsetshowshape
F cleancolumnset	F columnsetshowtracedgrid
F cleanfontname	F columnsetstate
F cleanupattributes	F columnsetstatus
F cleanupbox	F combineglyphs
F cleanupplayers	F component
F clonefield	F concatcommalist
F closein	F consultfloat
F closeout	F continueifinputfile
F codedef	F convertbtxtdatasettoxml
F collectedmath	F converteddimen
F collectfloat	F convertmpstopdf
F collecthelp	F copyboxfromcache
F columnsetbalancefirst	F copyboxline
F columnsetbalancelast	F copyposition
F columnsetbalancepage	F cos
F columnsetcolumnwidth	F cosd
F columnsetdisablewide	F ctxfunction
F columnsetenablewide	F ctxluamatch
F columnsetgoto	F ctxluamatchfile
F columnsethascontent	F ctxresetter
F columnsethspan	F ctxscanner
F columnsetlastfuture	F currentcomponent
F columnsetlastmvl	F currentdate
F columnsetlimit	F currentdesignsize
F columnsetnoto	F currentenvironment
F columnsetresetdirect	F currentfontinstancespec
F columnsetresetshapeextra	F currentposthyphenchar

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
F decrementcounter	F defineprocesscolorglobal
F decrementsubcounter	F defineprocesscolorlocal
F deferredenhancelist	F defineprogram
F deferredenhancerefERENCE	F definereference
F deferredenhanceregISTER	F defineregister
F defineACCENTS	F definesectionlevels
F defineattribute	F definespotcolorglobal
F defineboundary	F definestructureblock
F definebreakpoint	F definestructureset
F definebreakpoints	F definesubcolumnset
F definecharacterspacing	F definetransparency
F definechemical	F definetransparencyglobal
F definecolumnset	F definetypeface
F defineconversion	F defineviewerlayer
F definecounter	F delayedcolumnsetsheet
F definedlayoutcomponent	F depthnumber
F definefallbackfamily	F depthofstring
F definefield	F descender
F definefieldset	F detachinsertions
F definefilefallback	F diagnostic
F definefilesynonym	F digits_normal
F definefont_one	F digits_reverse
F definefont_two	F directboxfromcache
F definefontcolorpalette	F disableautofontscript
F definefontfamily	F disablecollectingmath
F definefontfamilypreset	F disabledirectives
F definefontfeature	F disableexperiments
F definefontscriptset	F disablejobsave
F definefontsolution	F disableparbuilder
F definehyphenationfeatures	F disableregime
F defineinsertion	F disablespellchecking
F defineintermediatecolor	F disablestatetriggering
F definelabcolorglobal	F disablestream
F definelabcolorlocal	F disabletrackers

F discardfromlist
F discriptioncodestring
F disposeboxesincache
F disposeluatable
F doanalyzeboxedframe
F doif
F doifcounter
F doifelse
F doifelseblack
F doifelseboxincache
F doifelsebuffer
F doifelsebufferempty
F doifelsecharinfont
F doifelseconverter
F doifelsecounter
F doifelsecurrentfonthasfeature
F doifelsedimenstring
F doifelsedrawingblack
F doifelsefieldcategory
F doifelsefieldset
F doifelsefiledefined
F doifelsefileexist
F doifelsefirstchar
F doifelsefirstsectionpage
F doifelsefontfeature
F doifelsefontpresent
F doifelseindented
F doifelseinelement
F doifelseinputfile
F doifelseleapyear
F doifelselisthasentry
F doifelselisthasnumber
F doifelselisthaspage
F doifelselist hastitle
F doifelsemarkedcontent
F doifelsemarkedpage
F doifelsemessage
F doifelsenoteonsamepage
F doifelseobjectfound
F doifelseobjectreferencefound
F doifelseolderversion
F doifelseoverlapping
F doifelseparallel
F doifelseparentfile
F doifelsepathexist
F doifelsependingpagecontent
F doifelseposition
F doifelsepositiononpage
F doifelsepositiononsamepage
F doifelsepositionsonthispage
F doifelsepositionsused
F doifelserangeonpage
F doifelsereference
F doifelsereferencechecked
F doifelsereferenced
F doifelserighttoleftinbox
F doifelsesame
F doifelsesomething
F doifelsespaces
F doifelsestackedfloats
F doifelsestructureblockseempty
F doifelsesynonymshown
F doifelsesynonymused
F doifelsetaggednoteonsamepage
F doifelseurldefined
F doifelseutfmathaccent
F doifelseutfmathfiller
F doifelseutfmathlimop
F doifelsevalidhashedfiles
F doifelsevisualizer
F doifmarkedpage
F doifnot
F doifnotcounter
F doifnotecontent
F doifnotsame
F doifnotthing
F doifposition
F dofsame
F doifsomething
F doifunknowfontfeature
F domainattribute
F doreshapeboxedframe
F doresyncboxedframe
F dosaveposition
F dosavepositionplus
F dosavepositionwhd
F dosetposition
F dosetpositionbox

F dosetpositionplus
F dosetpositionstrut
F dosetpositionstrutkind
F dosetpositionwhd
F dostarttextfile
F dostoptextfile
F doublescriptmodecodestring
F droptablegroup
F elapsedsteptime
F elapsedtime
F embedimagefromstore
F enablealignmentcharacter
F enablealignskips
F enableasciimode
F enableautofences
F enableautofontscript
F enablebackgroundalign
F enablebackgroundboxes
F enablecollectingmath
F enablecolor
F enablecolorintents
F enablecrlf
F enabledirectives
F enabledriver
F enableexperiments
F enablefontcolorschemes
F enablehidecontent
F enablemathalignrelocate
F enablematrixornaments
F enablematrixrules
F enableparbuilder
F enableregime
F enablescriptunstacking
F enablesidefloatchecker
F enablespellchecking
F enablestacking
F enablestatetriggering
F enablestream
F enableswapping
F enabletighten
F enabletrackers
F enabletransparency
F enableutf
F enhancelinkedlist
F enhancelist
F enhanceregister
F enhancesynonym
F environment
F eposcolumn
F eposcolumnregistered
F erasebuffer
F execute
F exportbox
F exportformdata
F exportpreferences
F expression
F extendregister
F extendregisterlate
F extensiblecode
F fakeword
F featureattribute
F feedback
F fetchlanguagetext
F fetchmultipar
F fetchposboxes
F fetchterminaldata
F figure_flush_registered_pages
F figure_mergegoodies
F figure_no_f_registered_pages
F figure_register_page
F figuresetdimensions
F filebasename
F filedirname
F filenameonly
F filesuffix
F filterdefaultreference
F filterreference
F finalizeobjectbox
F finalizeshipoutbox
F findregisterinternal
F finishcolumnsetflush
F finishexport
F firstinset
F firstsectionpage
F firstsubcountervalue
F flagcodestring
F flushcolumnsetareas
F flushcolumnsetcolumn

F flushfloat	F getboxhtfromcache
F flushlabeledfloat	F getboxwdfromcache
F flushnoterange	F getbuffer
F flushnotes	F getbuffercontent
F flushpageblocks	F getbufferctxlua
F flushpageinjectionsafter	F getbuffermkvi
F flushpageinjectionsbefore	F getbuffertex
F flushpostponedblocks	F getcharactercasingcategory
F flushpostponednotes	F getclubpenalties
F flushstream	F getcurrentprefixspec
F flushstreamcopy	F getcurrentreferencelabel
F fontchar	F getcurrentreferencemetadata
F fontcharbyindex	F getdefaultfieldvalue
F fontcollectionclone	F getdisplaywidowpenalties
F fontcollectiondefine	F getdocumentargument
F fontcollectionprepare	F getdocumentfilename
F fontcollectionregister	F getfieldcategory
F fontcollectionreport	F getfile
F fontcollectionreset	F getfirstcharacter
F fontlookupgetkey	F getfloatvariable
F fontlookupgetkeyofindex	F getfromluatable
F fontlookupinitialize	F getfullstructurenumber
F fontlookupnofound	F getinterlinepenalties
F forceendjob	F getinternalcachedlistreference
F forcepageflush	F getinternallistreference
F forcequitjob	F getinternalorderreference
F forcestrutdepth	F getmathblobindex
F format	F getmathblobmapping
F formatcolor	F getmathcharone
F formatgray	F getmathchartwo
F formatluminance	F getmathmathblob
F formatluminanceratio	F getmathtextblob
F formatone	F getmathvariant
F framedoutline	F getmessage
F from	F getmpextensions
F frozenparcodestring	F getnaturalldimensions
F frule	F getnaturalwd
F getMPdata	F getnofpreviouslines
F getbidimode	F getnotestate
F getbodyfontsizes	F getnotestorecount
F getboxcountfromcache	F getnotestoreflushed
F getboxdpfromcache	F getobjectdimensions
F getboxfromcache	F getobjectreference
F getboxhtdpfromcache	F getobjectreferencepage

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 getrandomnumber	F if_common
F getrandomseed	F ifallmodes
F getreadfilename	F ifbitwiseand
F getreferencesectionnumber	F ifblobindexdone
F getrivers	F ifboxhaslist
F getsetupstring	F ifcommon
F getshapeparameter	F ifeof
F getsomefullstructurenumber	F ifglueineinbox
F getsomestructurenumber	F ifinset
F getspecificstructuretitle	F iflua
F getstructurelevel	F ifmode
F getstructurenumber	F ifmodes
F getsubstring	F ifmvl
F getsynchronizemarking	F ifpositnum
F geturl	F ifsetups
F getvisual	F ifsystemmode
F getwidowpenalties	F iftext
F globalpopmacro	F ifxml
F globalpushmacro	F ifxmlatt
F gluetolinesinbox	F ifxmlattempty
F glyphoptioncodestring	F ifxmleempty
F gobblennested	F ifxmlselfempty
F gotocolumnsetslot	F ifxmltext
F grabbuffer	F ignorefile
F groupcodestring	F ignorhtagsinexport
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 helppreference	F initializemathfencing

F initializemathitalics
F initializemath kernpairs
F initializemathnumbers
F initializemathspacing
F initializestream
F initializetexdirectives
F initializetexexperiments
F initializetextrackers
F injectcurrentreference
F injectcurrentreferencehtdp
F injectdisable
F injectnowhite
F injectreference
F injectvpenalty
F injectvskip
F injectvspacing
F injectzerobaselineskip
F inlinechemical
F inputfilebarenname
F inputfilename
F inputfilerealsuffix
F inputfilesuffix
F insertattachment
F insertcategorycodestring
F insertcomment
F insertfield
F insertionnumber
F insertoptioncodestring
F insertrenderingwindow
F inspectluatable
F installedlanguages
F installtexdirective
F installtexexperiment
F installtextracker
F interceptssamepagecontent
F it
F jobfilefullname
F jobfilename
F jobfilesuffix
F jobposd
F jobposh
F jobposp
F jobposw
F jobposx
F jobposy
F languagecharwidth
F languagenumber
F lastblobindex
F lastnodequals
F lastnodeid
F lastnodeidstring
F lastnodesubtypestring
F lastparwrapper
F lastrpos
F lastsavedboxresourceindex
F lastsavedimageresourceindex
F lastsavedimageresourcepages
F lastsectionpage
F lastsubcountervalue
F lastunitstring
F lastxpos
F lastypos
F lateindent
F latelua
F lateundent
F lchexnumber
F lchexnumbers
F leapyear
F limitated
F linebuffering
F linedir
F lineprofilebox
F linesegment
F listanchorcodestring
F listbookmark
F listexternal
F listgroupindex
F listlabel
F listlocation
F listnamespaces
F listprefixednumber
F listprefixedpage
F listrawnumber
F listrawrealpage
F listrawuserpage
F listsigndcodestring
F listsize
F listtitle

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 loadluofile	F luanumber
F loadluofileonce	F luarandom
F loadluamodule	F luascript
F loadmapfile	F luathread
F loadmapline	F lxmlid
F loadspellchecklist	F manipulated
F loadtexfile	F markblobindexdone
F loadtexfileonce	F markcontent
F loadtypescriptfile	F markedpageparameter
F loadvisualizer	F markedpages
F loadxmlfile	F markingnumber
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 localboxparfillrights skip	F mathvariantcode
F localboxparinitleftskip	F mathvariantcount
F localboxparinitrights skip	F mathvariantslot
F localboxprogress	F maxbufferwidth
F localboxrighthang	F message
F localboxrightoffset	F metapostescaped
F localboxrights skip	F metapostformatted
F localpopmacro	F metapostgraphformat
F localpushmacro	F minute
F locatefilepath	F mixcleanup

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	Fnofdays
F molecule	Fnofdetachedinsertions
F month	Fnoflinesinbox
F monthmnem	Fnofmathvariants
F monthname	Fnofstackedfloats
F mpblobtext	Fnologbuffering
F mpcolor	Fnormalizecodestring
F mpgetblob	Fnormalizedbodyfontsize
F mpgettext	Fnormalizeparcodestring
F mpgraphic	Fnotedeltapage
F mpgraphictexttoks	Fnoteinternal
F mpoptions	Fnotelistindex
F mpoutlinetoks	Fnoteprefixednumber
F mppopvariables	Fnotetitle
F mppushvariables	Fntb_split_section_check
F mprunset	Fntb_split_section_fetch
F mpruntab	Fntb_split_section_locate
F mprunvar	Fntb_split_section_reset
F mpsetclippath	Fntimes
F mpsetoutercolor	Fnumber
F mpsetsxsy	Fnumbers
F mpsettext	Fobjectreference
F mptexget	Fobjectreferencepage
F mptexreset	Foctnumber
F mptexset	Fopenin
F mptexsetfrombuffer	Fopenout
F mpgettexttoks	Foperatingsystem
F mvoptioncodestring	Fordinal
F namedstructureuservariable	Foutputfilename
F namedstructurevariable	Foverloadbookmark
F naturalwd	Foverloadlowercase
F negatedcolorcomponent	Foverloadsattribute
F newarray	Foverloaduppercase
F newhashedtable	Fpageblockrealpage
F newindexedtable	Fpageofinternal
F newluatable	Fpageoverflow
F newparwrapper	Fpagestaterealpage
F newrepeatablerandom	Fpagestaterealpageorder

F parcontextcodestring	F pfrac
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 pdfbackendsetname	F pickuppunctuation
F pdfbackendsetpageattribute	F placeparallel
F pdfbackendsetpageresource	F popfloat
F pdfbackendsetpagesattribute	F pophyphenation
F pdfbackendsetpattern	F poplist
F pdfbackendsetshade	F poplocalanchors
F pdfcolor	F poplogfile
F pdfextension	F popparagraphtweak
F pdffeedback	F poppath
F pdflastobj	F poprandomseed
F pdfliteral	F popreferenceprefix
F pdfobj	F popregime
F pdfrefobj	F poprunstate
F pdfsetuserdata	F popsectionblock
F pdfvariable	F positnum
F percentageof	F positnumdef
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 pfcoh	F presetmathematics
F pfdeg	F presetmathfontalternate
F pfexp	F presetsymbollist
F pffloor	F previoussubcountervalue
F pflog	F privatecharacter
F pfmod	F privatecharactercode
F pfpow	F processbodyfontsizes

F processbuffer	F readline
F processcollectedmath	F readlinedirect
F processedfile	F recolorbox
F processedfiles	F referencecolumn
F processfile	F referencepagedetail
F processfilenany	F referencepagestate
F processfilename	F referenceposx
F processfileonce	F referenceposy
F processjob	F referencerealpage
F processlist	F registeranchorbox
F processregister	F registerattachment
F processsplit	F registerbackendsymbol
F processsynonyms	F registerbackground
F product	F registerbodyfontsize
F profilebox	F registerbookmark
F profilemacro	F registerboxglyph
F project	F registerbuttons
F pruneboxesincache	F registercolorintent
F purefontname	F registercolumnsetarea
F pushfloat	F registercolumnsetsheet
F pushhyphenation	F registercolumnsetspreadsheets
F pushlist	F registerengineclass
F pushlocalanchors	F registerfallbackfont
F pushlogfile	F registerfiguremask
F pushparagraphweak	F registerfigurepattern
F pushpath	F registerfigurerange
F pushrandomseed	F registerfiguresuffix
F pushreferenceprefix	F registerfilescheme
F pushregime	F registerfontalternative
F pushrunstate	F registerfontfamily
F pushsectionblock	F registerforcedbreak
F pushstream	F registergroupset
F putboxincache	F registerhashedfiles
F putincolumnset	F registerhelp
F putincolumnsetdirect	F registerhyphenationexception
F putnextboxincache	F registerhyphenationpattern
F qrcodebuffer	F registeritemgroup
F qrcodestring	F registerlabel
F rawMPdata	F registerlanguagefeatures
F rawcharacter	F registerlinenumbering
F rawsetupstring	F registermaintextcolor
F rawsubcountervalue	F registermpextensible
F read	F registernamedlua
F readfromterminal	F registernamespace

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 registershowsynonym	F resetsubcounter
F registersnaprange	F resetsynchronizemarking
F registerstructureprocessor	F resetsynonyms
F registersynchronize	F resettimer
F registersynonym	F resettrackers
F registertransliteration	F resolvedemoji
F registerunit	F restartcounter
F registerunitshortcut	F restartsubcounter
F registerunknownbodysize	F restorecounter
F registerusedsynonym	F restorecurrentattributes
F registeruserdata	F restorenote
F registerverbosemathlabel	F restoreobject
F removelastline	F reuserandomseed
F renderingvar	F reversebboxcontent
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 savepagedata
F savepageinjections
F saveparallel
F savepos
F savespecificfloat
F savestructureblock
F scangivendimensions
F scriptsmodecodestring
F second
F selectstructureblock
F set_extensible_data
F setadaptive
F setalternate
F setautoprefix
F setbackgroundrowdata
F setboxglyph
F setboxline
F setbreakpoints
F setcharacteralign
F setcharacteraligndetail
F setcharactercasing
F setcharactercleaning
F setcharacterkerning
F setcharacterspacing
F setcharacterstripping
F setclosedocumentaction
F setclosepageaction
F setcolormodel
F setcolumnsetarea
F setcolumnsetlines
F setcolumnsetmv1
F setcolumnsetpresent
F setcolumnsetproperties
F setcolumnsetstart
F setcomparatext
F setcomparingtext
F setcounter
F setdataset
F setdestinationattribute
F setdigitsmanipulation
F setdirection
F setdocumentargument
F setdocumentcommandline
F setdocumentctxfile
F setdocumentdefaultargument
F setdocumentenvironments
F setdocumentfilename
F setdocumentfilenames
F setdocumentmodes
F setdocumentmodules
F seteffect
F setelementbackendtag
F setelementnature
F setextrafontkerns
F setfieldcalculationset
F setfigureconversion
F setfigurelookuporder
F setfigurepaths
F setfirstline
F setfontfeature
F setfontofid
F setfontsolution
F setformat
F setformsmethod
F sethsizecolumnset
F sethsizecolumnspan
F sethyphenatedurlcharacters
F sethyphenationfeatures
F sethyphenationmethod
F setidentityvariable
F setinitial
F setinitialsectionblock
F setinjector
F setinsertionlocation
F setinsertmigration
F setinterfaceconstant
F setinterfaceelement
F setinterfacemessage
F setinterfacemessages
F setinterfacevariable
F setinternalreference
F setitaliccorrection
F setjavascriptpreamble
F setjobcomment
F setlanguageexceptions
F setlanguageoptions
F setlanguagepatterns
F setlanguagesynonym

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 setmathvariant	F setstructurelevel
F setmetaglyph	F setstructurenumber
F setmpextensions	F setsubcounter
F setnaturalwd	F settagcodepoint
F setnegative	F settagcombination
F setnextinternalreferences	F settagcombinationpair
F setnextreferenceorder	F settagconstruct
F setnotestate	F settagdelimitedsymbol
F setopendocumentaction	F settagdescriptionindex
F setopenpageaction	F settagfigure
F setowncounter	F settagfloat
F setownsubcounter	F settagformulacontent
F setpagecolormodel	F settaggedmetadata
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 settagsubsentencesymbol
F setreplacements	F settagsynonym

F settagtablecell
F settagtabulatecell
F settransliteration
F setupbookmarks
F setupcanvas
F setupcharacterspacing
F setupcomparingtext
F setupexport
F setupfontexpansion
F setupfontprotrusion
F setupinsertion
F setuplinenumbering
F setupsynctex
F setupusermetadata
F setupviewerlayer
F setvisual
F setvisualfont
F setvisuallayer
F setvisuals
F setvsizecolumnset
F setxmpfile
F shiftmatrixornaments
F shiftparshape
F shipoutpage
F showarray
F showassigneror
F showattributes
F showbits
F showboxinbuffer
F showbtxtdatasetauthors
F showbtxtdatasetcompleteness
F showbtxtdatasetfields
F showbtxentry
F showbtxtfields
F showbtxhashedauthors
F showbtxttables
F showbtxvariants
F showchardata
F showcounter
F showdirectives
F showdiscretionaries
F showexperiments
F showfontparameters
F showhyphenatedinlist
F showhyphenationtrace
F showinjector
F showjustification
F showlogcategories
F showluatables
F showluatokens
F showmacrostack
F showmessage
F showpagelist
F showparagraphshape
F showprofiledmacros
F showstructure
F showtrackers
F silliness
F simplealign
F simplecases
F simplematrix
F sin
F sind
F sl
F spacedigits
F special
F specificationoptioncodestring
F specifiedfont
F specifiedfontsize
F specifiedfontspec
F splitfilename
F splitsamplefile
F spotcolorname
F spotcolorparent
F spotcolorvalue
F squid_check
F startactualtext
F startalternativetext
F startchemical
F startclipping
F startcollectingmath
F startcolorset
F startcomponent
F startenvironment
F startfontsolution
F startgraphicgroup
F startlocalcomponent
F startmarkpages

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 starruby	F strc_tags_start
F startscaling	F strc_tags_start_chained
F startsectionlevel	F strc_tags_start_detail
F startstream	F strc_tags_start_ignore
F starttext	F strc_tags_start_userdata
F startviewerlayer	F strc_tags_stop
F step	F stringtoorientation
F stopactualtext	F structureautocatcodedget
F stopalternativetext	F structureblockuservariable
F stopchemical	F structurecatcodedget
F stopclipping	F structuregivencatcodedget
F stopcollectingmath	F structurenumber
F stopcolorset	F structuretitle
F stopcomponent	F structureuservariable
F stopenvironment	F structurevariable
F stopfontsolution	F subcountervalue
F stopgraphicgroup	F subsubcountervalue
F stoplocalcomponent	F subtocolumnsetmv1
F stopmarkpages	F subtocolumnsetmv1balance
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 synctexpoline
F storejavascriptcode	F synctexpushline
F storejavascripthreamble	F synctexresetfilename

F syncresume	F typefile
F syncsetfilename	F uchar
F synonymfirstuserpage	F uchexnumber
F synonymmeaning	F uchexnumbers
F synonymname	F undefinechemical
F synonympages	F unicodechar
F synonymuserpages	F unihex
F systemlog	F unit
F tabl_ntb_get_sec	F unloadlanguage
F tabl_ntb_set_sec	F unsupporteddc
F tagmfunctionlab	F useMPlibrary
F tagmfunctionlabattribute	F useanyfile
F tan	F useanyfileonce
F tand	F useboxresource
F textdir	F usecolors
F textime	F usecomponent
F tf	F useenvironment
F thebox	F usefigurebase
F thefirstcharacter	F usefile
F themaxboxwidth	F useimageresource
F theremainingcharacters	F usejavascriptpreamble
F tightfitcompensation	F usejavascriptscripts
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 utfflower
F truefilename	F utfmathclass
F truefontname	F utfmathcommand
F type	F utfmathcommandfiller
F typebuffer	F utfmathfiller

F utfmathstretch	F xmlattribute
F utfshape	F xmlattributedef
F utfstrip	F xmlbadinclusions
F utfupper	F xmlbeforesetup
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 widhtuptohere	F xmlcssstylevalue
F write	F xmldelete
F writeln	F xmldepth
F writestatus	F xmldirect
F writestring	F xmldirectives
F x_table_c	F xmldirectivesafter
F x_table_cleanup	F xmldirectivesbefore
F x_table_construct	F xmldisplayverbatim
F x_table_create	F xmldoif
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 xmldoifelseisempty
F x_table_init_reflow_width	F xmldoifsettext
F x_table_init_reflow_width_option	F xmldoitempty
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 xmlflushnewline	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 xmlsetup
F xmlindex	F xmlsnippet
F xmlinlineverbatim	F xmlstarraw
F xmlstalldirective	F xmlstarttiming
F xmllast	F xmlstopraw
F xmllastatt	F xmlstopTiming
F xmllastmatch	F xmlstrip
F xmllastpar	F xmlstripanywhere
F xmlloadbuffer	F xmlstripeverything
F xmlloaddata	F xmlstripnolines
F xmlloaddirectives	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 xmlnonamespace	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 cleanname
F xmlraw	F content
F xmlrawtex	F define
F xmlrefatt	F is_usable
F xmlregistersns	F is_valid
F xmlremapname	F read
F xmlremapnamespace	B usecache

F write	F setsystemmode
T context	F settracing
F bc	F settrialtypesettingmethod
F bgroup	F space
F char	F sprint
F concat	F startcollecting
D conditionals	F step
F cssdimension	F stepwise
F ctxescape	F stopcollecting
F ctxescaped	D systemmodes
F direct	F tobuffer
F egroup	D tokenizedcs
F escape	F tolines
F escaped	F trialtypesetting
F firstofoneargument	F unprotect
F firstoftwoarguments	F utfchar
F fprintf	F viafile
F getlogger	T converters
F glyph	F A
F gobbleoneargument	F A:es
F latelua	F A:ru
F loadfile	F A:sl
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 printable	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 abjadnodotnumerals	D sequences
F abjadnumerals	F settime
F alphabetic	F sloveniannumerals
F alphabetic:es	F spaceddigits
F alphabetic:ru	F spanishnumerals
F alphabetic:sl	F textime
F character	F toabjad
F characters	F tochinese
F chineseallnumerals	F tohebrew
F chinesecapnumerals	F toroman
F chinesedatenumerals	F totime
F chinesenumerals	F uchexnumber
F chr	F uchexnumbers
F chrs	F upper
F cn	F weekday
F cn-a	F word
F cn-c	F words
F cn-d	T coroutine
F convert	F close
F decimals	F create
F define	F isyieldable
F gregorian_to_hebrew	F resume
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 lchexnumber	F preparedfile
F lchexnumbers	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

F globfiles	F applyorientation
F globpattern	F convert
F ls	F enable
F makedirs	F finalize
F mkdirs	F gethpos
F pop	F gethvpos
F push	F getpos
T directives	F getrpos
D data	F getvpos
F default	F initialize
F disable	F install
F enable	N lmtxversion
F list	F outputfilename
S name	F report
F register	T effects
F report	F getoctaveloops
F reset	F getoctavemethods
F show	F getoctavestatus
F value	F getoctavevariants
F values	F newoctave
T document	F octave
D arguments	F octavebytemap
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 currerun
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 initializefilenames	F default
S inputfilebasename	F disable
S inputfilename	F enable
S inputfilesuffix	F list
S jobfilefullname	S name
S jobfilename	F register
S jobfilesuffix	F report
N kindofrun	F reset
N lmtxmode	F show
F loadexamodes	F value
F loadluofile	F values
F luofile	T figures
F luofilechunk	F applyratio
S luatexengine	F badname
N luatexfunctionality	D bases
S luatexverbose	F bitmapimage
N luatexversion	N boxnumber
N maxnofruns	F bytепalette
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
D validengines	F guessfromstring
S version	F hash
F error	D identifiers
T experiments	F identify
D data	F include

D includers	F join
F initialize	F joinpath
D loaded	F loadchecksum
D localpaths	F nameonly
D magics	F namethtable
F mergegoodies	F needs_updating
N nofmissing	F needsupdating
N nofprocessed	F pathpart
D order	F readdata
D paths	F removesuffix
D patterns	F replacesuffix
F pop	F reslash
B preferquality	F robustname
D programs	F savechecksum
F push	F savedata
F qrcode	F size
F registerpattern	F splitbase
F registerresource	F splitname
F registersuffix	F splitpath
D remappers	F suffix
D resources	F suffixes
F scale	F suffixesonly
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 readcardinal1le
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 readinteger1le	F getparameterfields
F readinteger2	F gettextcharacterfields
F readinteger2le	F id
F readinteger3	F max
F readinteger3le	F nextid
F readinteger4	F setfont
F readinteger4le	F setfontdimen
F readintegertable	F xscaled
F setposition	F yscaled
F skipposition	T fonts
F writecardinal1	F current
F writecardinal1le	F currentid
F writecardinal2	F definetypeface
F writecardinal2le	F enhanceid
F writecardinal3	D expansions
F writecardinal3le	D formats
F writecardinal4	F getalternate
F writecardinal4le	F getindices
T floats	F getkern
F analysemethod	F getmultiple
F checkedpagefloat	F getsubstitution
F collect	F infofont
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 assert	F getw
F collectgarbage	F getx
F dimen	F gety
F dofile	F prune
F error	T gzip
F getmetatable	F compress
T graphics	F compressed
T backgrounds	F decompress
F fetchmultipar	F load
F pair	F save
F path	F suffix
F point	T helper
T bitmaps	F getprofile
F flush	F mathnested
F load	F mathprocess
T loaders	F mathstep
F jpeg	F snapindeed
F jpg	F snaplist
F png	F traversecharmethod
F new	F traverseglyphmethod
F placeholder	F traversehorizontal
F tocontext	F traversevertical
F bpsize	F inspect
T colorspaces	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 getsize	F flushpreambles
F gettask	D functions
F gettop	D preambles

F setpreamble	T namespaces
F storecode	F define
F storepreamble	F list
F usetpreamblenow	T numbers
F usescripts	F registernamespace
D linkedlists	F registerscanner
T pages	D scanners
F setpagetransition	F setconstant
F setupcanvas	F setcount
T references	F setdimen
F setclosedocumentaction	F setelement
F setclosepageaction	F setformat
F setopendocumentaction	F setmacro
F setopenpageaction	F setmessage
D renderings	F setmessages
T interfaces	F settranslation
T arrays	D setupstrings
D cachedsetups	F setvariable
F cachesetup	F showmessage
T cardinals	D storedscanners
F checkedspecification	F tolist
D complete	D translations
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

S pathseparator	D collected
F fopen	D tobesaved
F read	T objects
F readall	D collected
F readnumber	F get
F readstring	F number
F savedata	F page
F size	F save
U stderr	F set
U stdin	D tobesaved
U stdout	B pack
F tmpfile	N packversion
F type	T pagestates
F write	D collected
F ipairs	F countervalue
T job	F extend
F comment	F realpage
T datasets	F realpageorder
D collected	F setstate
F extend	D tobesaved
F getdata	T parwrappers
F setdata	D collected
D tobesaved	D tobesaved
F disablesave	T positions
T embedded	F b_column
D collected	F b_region
D tobesaved	F c
T fileobjreferences	D collected
D collected	F column
D tobesaved	F columnofpos
T files	F copy
D collected	F depth
F context	F e_column
B forcerun	F e_region
F run	F enhance
D tobesaved	F extra
F getrandomseed	F get
F initialize	F getcolumndata
T linkedlists	F getfree
D collected	F gethpos
D tobesaved	F gethvpos
F load	F getpos
F loadother	F getreserved
T meshedup	F getnpos

F	getsync	D	collected
F	gettobesaved	T	components
F	getvpos	T	namestack
F	hangafter	T	tobesaved
F	hangindent	T	branches
F	height	S	name
F	hsize	S	type
N	lastr	T	variables
N	lastx	D	checksums
N	lasty	D	collected
F	leftskip	F	getchecksum
F	lowerleft	F	makechecksum
F	lowerright	F	restore
F	markregionbox	F	save
F	n	F	setchecksum
F	onsamepage	D	tobesaved
F	overlapping	N	version
F	p	T	kpse
F	page	T	language
F	paragraph	F	clean
F	parindent	F	clearhyphenation
F	position	F	clearpatterns
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
F	y	T	appliedoptions
F	register	F	associate
F	save	D	associated
T	structure	F	association

D counters	F installhandler
F current	T labels
D data	F define
D decimals	F split
F define	F loadable
F explicithyphen	F loadwords
F exportlanguage	T logger
F flatten	F report
T frequencies	F noflattened
F averagecharwidth	D numbers
F getdata	F pdflanguage
F getdata	F postexhyphenchar
F getmetadata	F posthyphenchar
F getnumber	F preexhyphenchar
F goodiefiles	F prehyphenchar
T hjcounts	D registered
F hyphenate	T registeredactions
T hyphenators	T replacements
T dictionaries	F add
D featuresets	F addlist
F handler	F handler
T methods	F set
F expanded	F serializeddiscretionary
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

N righthyphenmin	F walkdir
F setcharacters	T libraries
N version	D basiclua
F visualizediscretionaries	D basictex
T words	D builtin
F check	D extralua
T data	D extratex
F disable	D functions
F enable	D globals
T enablers	D obsolete
B enables	D optional
F found	T lmx
F load	F color
T methods	F convert
N threshold	F convertfile
T layouts	F convertstring
F getcanvas	F einject
F getpagedimensions	F eprint
F setupcanvas	F escape
T status	F finalized
F isleftpage	F finject
F leftorrightpageaction	F fprintf
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 makedirs	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 pv	F reporter
F report	F resetlogfile
F reset	F setformats
F result	F setformatters
F set	F setlogfile
F show	F setmessenger
F stripcss	F setprocessor
F tv	F settarget
F type	F settimedlog
F urlescape	F settranslations
F variable	F show
T variables	F start_page_number
S color-background-blue	F start_run
S color-background-body	F starterrorlogging
S color-background-green	F startfilelogging
S color-background-main	F status
S color-background-purple	F stop_page_number
S color-background-yellow	F stoperrorlogging
S title-default	F stopfilelogging
F load	F subdirect
D loaders	F subreport
F loadfile	F system
F loadstring	F texerrormessage
T logs	F writer
F application	T lpdf
F categories	F action
F direct	F adddocumentcolorspace
F disable	F adddocumentextgstate
F enable	F adddocumentpattern
F finalactions	F adddocumentsshade
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 checkedvalue	F contentplugin
F circularshade	F contenttostring
F close	F contenttotext
F cmykcode	D encryptioncodes
F collectedresources	F expanded
F color	F expandwidths
F colorspace	F fontplugin
D colorspaceconstants	F getpagecontent
F colorspec	F getstructure
F colorvalue	T helpers
F colorvalues	F tounicodetable
F commentsymbols	T image
F compressdata	F close
F compresslevel	F copy
F constant	F new
F copyarray	F open
F copyboolean	F query
F copyconstant	F load
F copydictionary	F mergewidths
F copyfloat	D objectcodes
F copyinteger	F objectrange
F copynumber	F objecttype
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

N Invisible	F flushstreamobject
N Locked	T fonts
N LockedContents	F color_direct
N NoRotate	F color_indirect
N NoView	D formats
N NoZoom	F frombytes
N Print	F fromeight
N Printable	F frompdfdoc
N ReadOnly	F fromsixteen
N ToggleNoView	F getcatalog
N auto	F getcompression
N hidden	F getfontname
N printable	F getfontobjectnumber
T widgets	F getformatoption
N Comb	F getinfo
N CommitOnSelChange	F getmatrix
N DoNotScroll	F getnofpages
N DoNotSpellCheck	F getpageproperties
N Edit	F getpagerefERENCE
N FileSelect	F getpagetags
N MultiLine	F getpos
N NoExport	F gettaggingstatus
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 png	F registersignature
F injectxmpinfo	F replacexmpinfo
F insertxmpinfo	F reserveobject
F lastreferreddpage	F rgbcodes
F layerreference	F rotationcm
F limited	F setcompression
F linearshade	F setencryption
F literal	F setpageorder
F majorversion	F setpagestate
F makenametree	F setpagetag
F minorversion	F setutfstringmode
F noffontregistries	F setversion
F nofpages	F sharedobject
F null	F shareobject
F number	F shareobjectreference
F object	F splitsixteen
F objectcompresslevel	F spotcode
F pagerefERENCE	F stream
F patternstream	F string
F pdfcolor	F supportedformats
F pdftimestamp	F tocidset
T permissions	F toeight
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 procs	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	T dejavusansmonottf-1-0-0
F registerfontmethod	F verbose
F registerinitializer	T lpeg
F registerpagefinalizer	F B
F registerpattern	F C

F Carg	F splitter
F Cb	F stripper
F Cc	F times
F Cf	F tsplitat
F Cg	F tsplitter
F Cmt	F type
F Cp	F utfR
F Cs	F utfchartabletopattern
F Ct	F utfreplacer
F P	S version
F R	T lua
F S	F addnibble
F UP	T bytecode
F UR	D bytedata
F US	T bytedone
F V	F callbytecode
F afterprefix	F comparekeys
F anywhere	F finalizeinitex
F append	N firstbytecode
F balancer	F get_functions_table
F beforesuffix	F getallkeys
F checkedsplit	F getbytecode
F containsws	F getcheckedkeys
F counter	F getcurrenttime
F endstripper	F getdebuginfo
F finder	F getexitcode
F firstofsplitsplit	F getfunctionstable
F frontstripper	F getnibble
F instringchecker	F getnumerickeys
F is_lpeg	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 secondofsplitsplit	F newtable
F setmaxstack	D numbers
F setutfcasers	F protectglobal
F split	F registercode
F splitat	F registeredcodes

F registerglobal	F stop
F registerinitexfinalizer	F wrapup
F registername	F wrapup
F setbytecode	T lxml
F setexitcode	F addindex
F setnibble	F all
S startupfile	F applyfunction
F subnibble	F applyselectors
S version	F att
T luac	F attribute
F inspect	F badinclusions
F print	F chainattribute
T luatex	F checkindex
F abort	F collected
F cleanup	F command
F cleanuptempfiles	F concat
F currentfile	F concatrange
F currentlevel	F content
F currenttotal	F context
F poprunstate	F convert
F pushrunstate	F count
F registerdumpactions	F delete
F registerpageactions	F depth
F registerstartactions	F direct
F registerstopactions	T directives
F registertempfile	F after
N starttime	F before
T synctex	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 doifelseSetText
F popline	F doisempty
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 filename	F pushmatch
F filter	F raw
F filterlist	F rawroot
F first	F rawtex
F flush	F refatt
F flushnewlinewise	F register
F flushsetups	F registerentity
F flushspacewise	F removesetup
F get_id	F replace
F getid	F resetcdata
F getindex	F resetsetups
F id	F resolvedentity
U idsplitter	F root
F ifatt	F save
F ifattempty	F serialize
F include	F setaction
F inclusion	F setatt
F inclusions	F setattribute
F index	F setcdata
F inlineverbatim	F setcommandtonone
F installsetup	F setcommandtotext
F last	F setpar
F lastatt	F setparam
F lastmatch	F setparameter
F lastpar	F setup
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 starraw
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	tobuffer	F	sin
F	tofile	F	sind
F	toparameters	F	sinh
F	toverbatim	F	sqrt
F	verbatim	F	tan
F	withindex	F	tand
D	xmltexhandler	F	tanh
T	math	F	tointeger
F	abs	F	type
F	acos	F	ult
F	asin	T	mathematics
F	atan	F	addfallbacks
F	atan2	F	addvariant
F	ceil	D	alphabets
F	ceiling	D	alternatives
F	cos	F	beforepassingfonttotex
F	cosd	F	big
F	cosh	D	boldmap
F	deg	T	categories
F	div	D	functions
F	even	D	charactersets
F	exp	F	checkaftercopyingfont
F	floor	D	classes
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
F	round	T	domainnames
F	setrandomseedi	N	default

F enablecollecting	F setextensibledata
F extensiblecode	F setmathsymbol
D extensibles	D sets
N extrabase	F setsnapping
T fallbacks	F setvariant
F apply	D styles
F install	F syncboth
F fallbackstyleattr	F syncname
F familyname	F syncstyle
F functiontype	T tagging
D gaps	B mfenced
F getblobindex	F toengineclass
F getboth	F toname
F getdomainname	F tostyle
F getextensibledata	F tweakaftercopyingfont
F getmathblob	F tweakbeforecopyingfont
F getoptoptionallabel	T tweaks
F getstyle	F accentdimensions
F gettextblob	F action
F getverboselabel	F addactuarian
F horizontalcode	F addarrows
F initializeparameters	F addbars
F makefont	F addcomposites
D mapremp	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

T fixslashes	T horizontalfences
T wipecues	T i
F dimensions	T integrals
F extendaccents	T letterlike
F fallbacks	T mw
F fixaccents	T p
F fixellipses	F substitute
F fixintegrals	F topanchors
F fixoldschool	F tweaks
F fixprimes	F version
F fixradicals	F wipeanchors
F fixslashes	F wipeitalics
F fixvariants	F wipevariants
F flattenaccents	F utfmathaccent
F fontname	F utfmathclass
F inspect	F utfmathcommand
F keepbases	F utfmathfiller
F kernpairs	F utfmathstretch
F kerns	F variantcode
T kernsets	F variantcount
T ..,	F virtualize
F margins	D virtualized
F message	T md5
F moveitalics	F HEX
F movelimits	F dec
F parameters	F hex
F radicalbodymargins	F sum
F radicalgreeanchors	F sumHEXA
F replace	F sumhexa
F replacealphabets	T metapost
F replacerules	F checkformat
F setoptions	F checktracingonline
F setovershoots	F cm
F showinfo	T codes
F simplifykerns	N addto
F sortvariants	N ampersand
F staircase	N and
T subsets	N assignment
T acenorsuvxz	N atleast
T bhklt	N begingroup
T d	N btex
T dotless	N capsule
T f	N colon
T gjqy	

N comma	N rightbrace
N controls	N rightbracket
N curl	N rightdelimter
N cycle	N runscript
N definedmacro	N save
N delimiters	N scantokens
N endgroup	N secondarybinary
N equals	N secondarydef
N etex	N semicolon
N everyjob	N setbounds
N exittest	N shipout
N expandafter	N show
N fiorelse	N slash
N if	N step
N input	N stop
N interim	N str
N internal	N string
N iteration	N tag
N leftbrace	N tension
N leftbracket	N tertiarybinary
N leftdelimter	N tertiarydef
N let	N thingstoadd
N macrodef	N to
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 paramertype	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 execetime
N protection	D extensiondata
N relax	F filterclippath
N repeatloop	F flush

T flushers	T metafonts
T pdf	T metafun
F flushfigure	F interpolate
F startfigure	F topath
F stopfigure	T mptopdf
F textfigure	F convertmpstopdf
F tocomment	Nnofconverted
F flushnormalpath	Nn
T fonts	Fnewlogger
F define	Nnofruns
F format_number	Fnofscriptruns
F format_string	Fnvformat
F formatnumber	Fpdfliterals
F getbackendoption	Fpluginactions
F getbendltolerance	Fpopformat
F getbuffer	Fpopscriptrunner
F getclippath	Fpopvariable
F getextensions	Fpopvariables
F getextradata	Fpreparetexttextsdata
F gethashentries	Fprocess
F getinstancebyname	Fprocessing
F getinstanceinfo	Fprocessplugins
F getinstancenames	Tproperties
F getjobdata	Fpushformat
F getmovetolerance	Fpushscriptrunner
F getparameter	Fpushvariable
F getparameterpreset	Fpushvariables
F getparameterset	Bquitonerror
F getrecord	Breducetogray
F getstatistics	Fregisterdirect
F gettext	Fregisterscript
F gettolerance	Fregistertokens
F graphic	Fremappedtext
F graphic_base_pass	Fremaptext
F hascurvature	Freporterror
F includesvgbuffer	Freportsvgfonts
F includesvgfile	Freset
F installplugin	Fresetbackendoptions
F isobject	Fresetlastlog
T knownparameters	Fresetplugins
S lastlog	Frun
F load	Fruninternal
F maketext	Frunscript
F mesh	Fscanparameters

F scriptindex	F reset
F setbendltolerance	F set
F setbuffer	F setfrombuffer
F setextensions	B texerrors
F setlogging	F texexp
F setmovetolerance	F theclippath
F setoutercolor	F tographic
F setparameter	F totable
F setparameterset	T types
F setrecord	N boolean
F settext	N cmykcolor
F settolerance	N color
F setvariable	N dependent
B showlog	N independent
F showsvgpage	N known
F simple	N nep
F splitprescript	N numeric
F startgraphic	N pair
F startsvghashing	N path
F stopgraphic	N pen
F stopsvghashing	N picture
F svformat	N protodependent
B svgcachefile	N string
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 quoted-printable	D buff-imp-xml
F dot	D buff-ini
F encode	D buff-par
T encodet	D buff-ver
F base64	D char-enc
F quoted-printable	D chem-init
F eol	D chem-str
F normalize	D cldf-com
F qp	D cldf-ver
F qpwrp	D colo-icc
F report	D colo-init
F stuff	D cont-run
F unb64	D core-con
F unqp	D core-ctx
F wrap	D core-dat
T wrapt	D core-sys
F base64	D driv-shp
F default	D file-mod
F quoted-printable	D file-syn
F text	D font-afk
F wrp	D font-agl
T moduledata	D font-aux
T modules	D font-cff
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 font-imp-notused	D font-trt
D font-imp-properties	D font-ttf
D font-imp-quality	D font-txt
D font-imp-reorder	D font-vfc
D font-imp-scripts	D font-vir
D font-imp-spacekerns	D good-ctx
D font-imp-tex	D good-gen
D font-imp-text	D good-init
D font-imp-tracing	D good-mth
D font-imp-tweaks	D grph-bmp
D font-imp-unicode	D grph-con
D font-init	D grph-epd
D font-lig	D grph-fil
D font-log	D grph-img
D font-lua	D grph-inc
D font-map	D grph-pat
D font-mpf	D grph-raw
D font-mps	D grph-rul
D font-nod	D grph-trf
D font-ogr	D grph-u3d
D font-one	D java-init
D font-onr	D lang-cnt
D font-osd	D lang-def
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-init
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-init
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 lpdf-fix-imp-fonts	D meta-imp-txt
D lpdf-fld	D meta-ini
D lpdf-fmt	D meta-lua
D lpdf-grp	D meta-nod
D lpdf-img	D meta-pdf
D lpdf-ini	D meta-tex
D lpdf-lmt	D mlib-cnt
D lpdf-mis	D mlib-ctx
D lpdf-ren	D mlib-fio
D lpdf-rul	D mlib-int
D lpdf-sig	D mlib-lmp
D lpdf-tag	D mlib-lmt
D lpdf-u3d	D mlib-lua
D lpdf-wid	D mlib-mat
D lpdf-xmp	D mlib/mpf
D lxml-css	D mlib/msh
D lxml-dir	D mlib/pdf
D lxml-ent	D mlib/pos
D lxml-ini	D mlib/pps
D lxml-mms	D mlib/ptr
D lxml-sor	D mlib/ran
D lxml-tex	D mlib/run
D math-act	D mlib/scn
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-init
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 page-otr	D strc-doc
D page-pst	D strc-flt
D page-sel	D strc-init
D page-str	D strc-itm
D phys-dim	D strc-lev
D publ-aut	D strc-lst
D publ-dat	D strc-mar
D publ-fnd	D strc-mat
D publ-inc	D strc-not
D publ-init	D strc-num
D publ-jrn	D strc-pag
D publ-oth	D strc-ref
D publ-reg	D strc-reg
D publ-sor	D strc-rsc
D publ-tra	D strc-syn
D publ-usr	D strc-tag
D regi-init	D strc-usr
D scrn-but	D symb-emj
D scrn-fld	D symb-init
D scrn-hlp	D syst-cmp
D scrn-init	D tabl-ali
D scrn-pag	D tabl-ntb
D scrn-ref	D tabl-tbl
D scrn-wid	D tabl-xtb
D scrp-cjk	D task-init
D scrp-eth	D trac-bld
D scrp-init	D trac-jus
D scrp-tha	D trac-par
D scrp-tib	D trac-riv
D sort-init	D trac-sig
D sort-lan	D trac-vis
D spac-ali	D type-init
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 typo-fkr	F quadruplepoints
D typo-fln	F quoted
D typo-hid	F size
D typo-inj	F string
D typo-itc	F transform
D typo-krn	F triplet
D typo-lan	F tripletoints
D typo-lbx	F vprint
D typo-man	F boolean
D typo-mar	F bytemap_load_from_file
D typo-ovl	F cleaned
D typo-pag	F color
D typo-par	F dataset
D typo-pnc	T datasets
D typo-prc	F load
D typo-rep	F direct
D typo-rub	F downgradebytemap
D typo-spa	F downsamplebytemap
D typo-stc	F draw
D typo-sus	F expandtex
D typo-syn	F fill
D typo-tal	F fillbytemap
D typo-wrp	F flatten
D unic-init	F flush
T mp	F format
F autoinject	F formatted
T aux	F fprintf
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 fprintf	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 string	F lmt_glyphshape_depth
F transform	F lmt_glyphshape_height
F triplet	F lmt_glyphshape_italic
F vector	F lmt_glyphshape_llx
F vectors	F lmt_glyphshape_n
F whatever	F lmt_glyphshape_path
F whd	F lmt_glyphshape_start
F xy	F lmt_glyphshape_stop
F integer	F lmt_glyphshape_usedbox
T lmt_color_functions	F lmt_glyphshape_usedline
F shade	F lmt_glyphshape_width
F step	F lmt_mesh_set
F lmt_contours_bitmap_get	F lmt_mesh_update
F lmt_contours_bitmap_set	F lmt_poisson_generate
F lmt_contours_cleanup	F lmt_start_potrace
F lmt_contours_color	F lmt_step_potrace
F lmt_contours_edge_get_band	F lmt_stop_potrace
F lmt_contours_edge_get_cell	F lmt_surface_do
F lmt_contours_edge_paths	F lmt_svg_include
F lmt_contours_edge_set	F loadbytemap
F lmt_contours_edge_set_by_band	F loadbytemapfile
F lmt_contours_edge_set_by_cell	F mesh_register
F lmt_contours_format	F mf_blob_add
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_novalues	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 mf_script_index	F token
F mf_start_saving_data	F solve
F mf_stop_saving_data	F string
F mode	F systemmode
F n	F transform
F newbytemap	F triplet
F number	F tripletpoints
F numeric	F vprint
F pair	T mpplib
F pairpoints	F downgradebytemap
F path	F downsamplebytemap
F pathpoints	F execute
F points	F expandtex
F processbytemap	F fillbytemap
F processingmode	F finder
F quadruple	T finders
F quadruplerepoints	F file
F quoted	F mpstemplate
F report	F finish
T scan	F getbytemap
F boolean	F getbytemapdata
F cmykcolor	F getcallbackstate
F color	F getcodes
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 getlastaddtype
F pen	F getlogtargets
F property	F getobjectdata
F string	F getobjectpeninfo
F symbol	F getobjectstacking
F token	F getobjecttypes
T tokencollectors	F getpruneoptions
F transform	F getresultstatus
T typescanners	F getscaledbits
F whatever	F getscantypes
T set	F getstates
F setbytemap	F getstatistics
F setbytemapoctave	F getstatus
F size	F gettolerance
T skip	F gettype

F gettypes	F decode
F injectboolean	F next
F injectcmykcolor	T noads
F injectcolor	F getmathmode
F injectinteger	T handlers
F injectnumber	F alternates
F injectnumeric	F autofences
F injectpair	F classes
F injectpath	F collapse
F injectstring	F dictionaries
F injecttransform	F export
F injectvector	F families
F injectvectors	F fencing
F injectwhatever	F intervals
F new	F kernpairs
F newbytemap	F makeup
F peninfo	F normalize
F processbytemap	F numbers
T propertycodes	F relocate
B realtimelogging	F render
F scanboolean	F showtree
F scancmykcolor	F snap
F scandcolor	F spacing
F scanexpression	F suspicious
F scaninteger	F tags
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 dimensions	F getchar
T direct	F getchardict
F addmargins	F getcharspec
F addxoffset	F getchoice
F addxymargins	F getclass
F addyoffset	F getcontrol
F appendaftertail	F getcornerkerns
F appendcurrenttail	F getcurrenttail
F beginofmath	F getdata
F checkdiscretionaries	F getdegree
F checkdiscretionary	F getdelimiter
F collapsing	F getdenominator
F copy	F getdepth
F copylist	F getdirection
F copyonly	F getdisc
F count	F getdiscpart
F currentattributes	F getexcept
F dimensions	F getexpansion
F effectiveglue	F getfam
F endofmath	F getfield
F exchange	F getfielderror
F fields	F getfirstdirectioninlist
F findattribute	F getfont
F findattributerange	F getfontcheck
F findnode	F getgeometry
F firstchar	F getglue
F firstglyph	F getglyphdata
F firstglyphnode	F getglyphdimensions
F firstitialicglyph	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 getleftdelimter
F getboth	F getlist
F getbottom	F getlistdimensions
F getbottomdelimter	F getmvllist
F getbox	F getnaturalwhd
F getcachestate	F getnext

F getnodeerrorvalues	F gluetostring
F getnodes	F hasattribute
F getnormalizedline	F hasdimensions
F getnucleus	F hasdiscription
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 getpropertiestable	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 ischardisc
F getscript	F isdirect
F getscripts	F isfontcheck
F getshift	F isglyph
F getslant	F isitalicglyph
F getspeciallist	F isloop
F getstate	F isnext
F getsub	F isnextchar
F getsubpre	F isnextcharcheck
F getsubtype	F isnextglyph
F getsup	F isnode
F getsupre	F isprev
F gettop	F isprevchar
F gettopdelimiter	F isprevcharcheck
F gettotal	F isprevglyph
F getusage	F issimilarglyph
F getusedattributes	F issnapped
F getweight	F isspeciallist
F getwhd	F isvalid
F getwidth	F iszeroglue
F getwordrange	F kerning
F getxscale	F lastnode
F getxyscales	F length
F getyscale	F ligaturing

F makeextensible	F setdelimiter
F markglyphprocessing	F setdenominator
F migrate	F setdepth
F mlisttohlist	F setdirection
F naturalhsizen	F setdisc
F naturalwidth	F setdiscpart
F new	F setexcept
F newcontinuationatom	F setexpansion
F newfontcheck	F setfam
F newmathglyph	F setfield
F newtextglyph	F setfielderror
F patchattributes	F setfont
F patchparshape	F setfontcheck
F prependbeforehead	F setgeometry
F prependcurrenttail	F setglue
F protectglyph	F setglyphdata
F protectglyphs	F setheight
F protectglyphsbase	F setindex
F protectglyphsnone	F setinputfields
F protrusionskippable	F setkern
F rangedimensions	F setlanguage
F remove	F setleader
F removefromlist	F setleftdelimter
F repack	F setlink
F reverse	F setlist
F samefontcheck	F setnext
F serialized	F setnucleus
F setanchors	F setnumerator
F setattribute	F setoffsets
F setattributelist	F setoptions
F setattributes	F setorientation
F setattributesinlist	F setpenalty
F setboth	F setpost
F setbottom	F setpre
F setbottomdelimter	F setprev
F setbox	F setprime
F setchar	F setproperty
F setchardict	F setreplace
F setchoice	F setrightdelimter
F setclass	F setruledimensions
F setcontrol	F setscale
F setcurrenttail	F setscales
F setdata	F setscript
F setdegree	F setscripts

F setshift	F updatefirstmarks
F setslant	F updatemarks
F setsnapped	F updatetopmarks
F setspeciallist	F usedlist
F setsplit	F usesfont
F setstate	F vbalance
F setsub	F verticalbreak
F setsubpre	F vpack
F setsubtype	F write
F setsup	F xscaled
F setsuppre	F yscaled
F settop	F effectiveglue
F settopdelimitter	F endofmath
F settotal	F family_font
F setweight	F fields
F setwhd	F findattribute
F setwidth	F flattendiscretionaries
F show	F flushlist
F size	F flushnode
F slide	F free
F softenhypens	F getattribute
F startofpar	F getcachestate
F subtypes	F getfield
F tail	F getfielderror
F todirect	F getglue
F tonode	F getnodeerrorvalues
F tostring	F getpropertiesstable
F tovaliddirect	F getproperty
F traverse	F gluetostring
F traversechar	F hasattribute
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 length	F apply
F ligaturing	F applyvisuals
F makeextensible	F astable
F mlisttohlist	F basepoints
F new	D boundarycodes
F protectglyph	T boxes
F protectglyphs	F count
F protrusionskippable	F dimensions
F rangedimensions	F direct
F remove	F dispose
F serialized	F found
F setattribute	F prune
F setfield	F reset
F setfielderror	F restore
F setglue	F save
F setproperty	F savenode
F show	T builders
F size	D choicecodes
F slide	F concat
F subtypes	F copy
F tail	F copy_node
F todirect	F copylist
F tonode	F countall
F tostring	F currentattributes
F traverse	F delete
F traverseid	T destinations
F type	N attribute
F types	T done
F unprotectglyph	F handler
F unprotectglyphs	T stack
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 flushnode	F showpreamble
D fractioncodes	F stripping
F fullhpack	F tabulateskip
F getattr	F textbackgrounds
F getattribute	F unprotectglyphs
F getboth	F visualizehyphenation
F getbox	F wipe
F getchar	F hasattribute
F getfield	F hasfield
F getfont	F hpack
F getid	F idsandsubtypes
F getleader	F idstostring
F getlist	T injections
F getnext	F copy
F getprev	F getligaindex
F getproperty	F getthreshold
F getsubtype	F handler
D gluecodes	F installgetspaceboth
D glyphcodes	F installnewkern
T handlers	F isspace
F adjusters	F keepcounts
F aligncharacter	F reset
F backgrounds	F resetcounts
F backgroundspage	F setcursive
F backgroundsvbox	F setkern
F characters	F setligaindex
F checkglyphs	F setmark
F checkparcounter	F setmove
F cleanupbox	F setposition
F cleanuppage	F setspacekerns
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

T lines	F set
T boxed	T components
F addlinenumbers	F copynocomponents
F register	F copyonlyglyphs
F setup	F count
D data	F flush
F finalize	F get
F number	F set
F link	F concat
F linked	F copy
F list	F copy_properties
D listcodes	F copylist
F listtoutf	F copynode
D literalvalues	F copyonly
F locate	F copyvisual
D markcodes	F count
T markers	F countall
F get	F currentattributes
F set	F delete
D mathcodes	F dimensions
D mathvalues	F dirdimensions
F maxboxwidth	F effectiveglue
T migrations	F endofmath
F setinserts	F exchange
F setmarks	F findattribute
F new	F findattributerange
D noadcodes	F findnode
D nodecodes	F firstchar
F nopts	F firstglyph
T nuts	F firstglyphnode
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 getatattrlist	F getleader
F getattrs	F getleftdelimiter
F getboth	F getlist
F getbottom	F getlistdimensions
F getbottomdelimiter	F getmiddle
F getbox	F getmiddledelimiter
F getboxglue	F getmvlist
F getchar	F getnaturalwhd
F getchardict	F getnext
F getcharspec	F getnormalizedline
F getchoice	F getnucleus
F getclass	F getnumerator
F getcomponents	F getoffsets
F getcornerkerns	F getoptions
F getdata	F getorientation
F getdegree	F getparstate
F getdelimiter	F getpenalty
F getdenominator	F getpost
F getdepth	F getpre
F getdirection	F getprev
F getdisc	F getprime
F getdiscpart	F getprop
F getdiscretionary	F getreplace
F getexcept	F getrightdelimiter
F getexpansion	F getruledata
F getfam	F getruledimensions
F getfield	F getscale
F getfirstdirectioninlist	F getscales
F getfont	F getscript
F getfontcheck	F getscripts
F getgeometry	F getshift
F getglue	F getslant
F getglyphdata	F getspeciallist
F getglyphdimensions	F getstate
F getheight	F getsub
F getid	F getsubpre
F getidsubtype	F getsubtype
F getidsubtypenext	F getsup
F getindex	F getsuppre
F getinputfields	F getsurround
F getkern	F gettop
F getkerndimension	F gettopdelimiter
F getlang	F gettotal
F getlanguage	F getusedattributes

F getvalue	F kerning
F getweight	F lastnode
F getwhd	F length
F getwidth	F ligaturing
F getwordrange	F link
F getxscale	F linked
F getxyscales	F locate
F getyscale	F migrate
F gluetostring	F migratebox
F hasattribute	F mlisttohlist
F hasdimensions	F naturalhsize
F hasdiscoption	F naturalwidth
F hasfield	F nestedtracedslide
F hasgeometry	F new
F hasglyph	F newcontinuationatom
F hasglyphoption	F newfontcheck
F hasidsubtype	F newmathglyph
F hpack	F openup
F hyphenating	F patchattributes
F ignoremathskip	F patchparshape
F insertafter	T pool
F insertbefore	F accent
F insertlistafter	F baselineskip
F is_display_math	F boundary
F isboth	F boxrule
F ischar	F choice
F ischarcheck	F cleanup
F isdirect	F delim
F isdone	F delimiter
F isglyph	F direction
F isitalicglyph	F directliteral
F isnext	F disc
F isnextchar	F emptyrule
F isnextcharcheck	F fence
F isnextglyph	F fontkern
F isnode	F fraction
F isnut	F glue
F isprev	F gluespec
F isprevchar	F glyph
F isprevcharcheck	F hlist
F isprevglyph	F imagerule
F issimilarglyph	F indentskip
F issnapped	F italiccorrection
F iszeroglue	F italic kern

F kern	T userids
F latelua	F usernode
F leader	F userrule
F lefthangskip	F virtualrule
F leftmarginkern	F vlist
F leftskip	F wordboundary
F lineskip	F prepend
F literal	F prependbeforehead
F luaboundary	F processranges
F mathchar	F processwords
F mathtextchar	F protectglyph
F negatedglue	F protectglyphs
F noad	F protectglyphsbase
F originliteral	F protectglyphsnone
F outlinerule	F protrusionskippable
F pageliteral	F rangedimensions
F penalty	F rawprop
F radical	F reference
F rawliteral	F rehpack
F register	F remove
F restore	F removefromlist
F righthangskip	F repack
F rightmarginkern	F repackhlist
F rightskip	F replace
F rule	F reverse
F save	T rules
F savepos	T ruleactions
F setmatrix	F box
F setstate	F draw
F shrink	F fill
F spacefontkern	F mp
F spacingrule	F stroke
F starttrotation	F userrule
F startscaling	F serialized
F stock	F setanchors
F stoprotation	F setattr
F stopscaling	F setattribute
F stretch	F setattributelist
F strutrule	F setattributes
F subbox	F setattributesinlist
F submlist	F setattrlist
F temp	F setattrs
F usage	F setattrsinlist
F userdefined	F setboth

F setbottom	F setpost
F setbox	F setpre
F setboxglue	F setprev
F setchar	F setprime
F setchardict	F setprop
F setchoice	F setreplace
F setclass	F setrightdelimiter
F setcomponents	F setruledata
F setdata	F setruledimensions
F setdegree	F setscale
F setdelimeter	F setscales
F setdenominator	F setscript
F setdepth	F setscripts
F setdirection	F setshift
F setdisc	F setslant
F setdiscpart	F setsnapped
F setdiscretionary	F setspeciallist
F setexcept	F setsplit
F setexpansion	F setstate
F setfam	F setsub
F setfield	F setsupre
F setfont	F setsubtype
F setfontcheck	F setsup
F setgeometry	F setsupre
F setglue	F setsurround
F setglyphdata	F settop
F setheight	F setvalue
F setinputfields	F setvisual
F setkern	F setvisuals
F setlang	F setweight
F setlanguage	F setwhd
F setleader	F setwidth
F setleftdelimiter	F show
F setlink	F slide
F setlist	F softenhyphens
F setmiddledelimiter	F somepenalty
F setnext	F somespace
F setnucleus	F splitbox
F setnumerator	F startofpar
F setoffsets	F striprange
F setoptions	F tail
F setorientation	F takeattr
F setparproperty	F takebox
F setpenalty	F takelist

F theprop	F possible
F tonode	T typesetters
F tonodes	F tohbox
F tonut	F tohpack
F tosequence	F tonodes
F tostring	F tovbox
F tracedslide	F tovpack
F traverse	F unprotectglyph
F traversechar	F unprotectglyphs
F traversecontent	F unsetattribute
F traverseglyph	F unsetattributes
F traverseid	F untracedslide
F traverseitalic	F updatefirstandbotmark
F traverseleader	F updatefirstmarks
F traverselist	F updatemarks
F traversepossible	F updatetopmarks
T traversers	F usedlist
F alignrecord	F usesfont
F boundary	F verticalbreak
F char	F vianodes
F content	F vianuts
F dir	F vpack
F disc	F write
F glue	F xscaled
F glyph	F yscaled
F hlist	F packlist
F leader	D parcodes
F list	D penaltycodes
F mark	T plugindata
F next	F finalizer
F node	F initializer
F penalty	S name
F possible	F processor
F rule	F points
F unset	T pool
F vlist	F baselineskip
F whatsit	F cleanup
T treversers	F directliteral
F char	F glyph
F content	F hlist
F glyph	F latelua
F leader	F leader
F list	F lineskip
F node	F literal

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

F freeze	F setlist
F freezegroup	F setproperties
F new	F start
F prependaction	T steppers
F removeaction	F check
F replaceaction	F codes
F restart	F features
F setaction	F font
F showactions	F glyphs
F table	F message
F tobasepoints	F messages
F tocentimeters	F nofsteps
F tociceros	F register
F todidots	F reset
F todimen	F start
F toinches	F stop
F tomillimeters	F stop
F tonode	T transparencies
F tonodes	F reset
F tonut	F set
F topicas	F setlist
F topoints	F traverse
F toscaledpoints	F traverseid
F tosequence	T typesetters
F tostring	F hbox
F totable	F hpack
F totree	F tohbox
F toutf	F tohpack
T tracers	F tonodes
T colors	F tovbox
F reset	F tovpack
F set	F vpack
F setlist	F unsetattribute
F directions	F upcomingproperties
F fontchar	F usedlist
T frequencies	F vianodes
F register	F vianuts
T pool	F visualizebox
T nodes	T visualizers
F rule	F attribute
T nuts	T attributes
F rule	F box
F resetproperties	F definelayer
F rule	F enable

T filters	N user
N continuation	N vbox
N hglue	N vglue
N hkern	N vkern
N hpenalty	N vpenalty
N toddler	N vtop
N vglue	N whatsit
N vkern	F register
N vpenalty	F registercache
F getusedfont	F setfont
F handler	F setlayer
F markfonts	F setruledglyph
T modes	F setvisual
N boundary	F vpack
N depth	D whatsitcodes
N dir	F write
N discretionary	T number
N expansion	F %
N fontkern	F basepoints
N glue	F bytetodecimal
N glyph	F compactfloat
N hbox	F decimaltobyte
N hglue	D dimenfactors
N hkern	F formatted
N hpenalty	F formattedfloat
N insert	F fractiontobyte
N italic	F idiv
N kern	N maxdimen
N line	F nops
N marginkern	F nubasepoints
N mark	F nupoints
N math	F percent
N mathglue	F points
N mathkern	F pts
N origin	F signed
N par	F sparseexponent
N penalty	F splittidimen
N simple	F to16dot16
N simplehbox	F tobasepoints
N simplevbox	F tobitstring
N simplevtop	F tocentimeters
N space	F tociceros
N strut	F tocontext
N toddler	F todidots

F todimen	T hb
F toediths	F getshapers
F toevenhex	F getversion
F toinches	F initialize
F tomillimeters	F loadfont
F tonumberf	F shapestring
F tonumberg	T imagemagick
F topicas	F execute
F topoints	F initialize
F toscaled	T kpse
F toscaledpoints	F expand_braces
F totoves	F expand_path
F valid	F expand_var
T objects	F find_file
T data	F find_files
F dimensions	F get_file_types
F found	F initialize
N n	F readable_file
F page	F set_program_name
F reference	F var_value
F register	T library
F restore	F load
T optional	T loaded
T curl	T lz4
F escape	F compress
F fetch	F decompresssize
F getversion	F framecompress
F initialize	F framedecompress
F unescape	F initialize
T foreign	T lzma
F abivalue	F compress
F getbuffer	F decompress
F initialize	F initialize
F load	T lzo
F newbuffer	F compress
F totable	F decompresssize
F types	F initialize
T ghostscript	T mujs
F execute	F dofile
F initialize	F execute
T graphicsmagick	F initialize
F execute	F reset
F getnoisetypes	F setclosefile
F initialize	F setconsole

F setfindfile	F difftime
F setopenfile	F enableansi
F setreadfile	D env
F setseekfile	F execute
T mysql	F exit
F close	F fulltime
F execute	F getcodepage
F getmessage	F getenv
F initialize	F getnamevalues
F open	F gettimeofday
T openssl	F gettypevalues
F getversion	F getunamefields
F initialize	F isleapyear
F sign	F launch
F verify	S libsuffix
T postgres	F localtime
F close	S name
F execute	S newline
F getmessage	F nofdays
F initialize	F now
F open	F pipeto
T sqlite	S platform
F close	F remove
F execute	F rename
F getmessage	F resultof
F initialize	F runtime
F open	T selfarg
T zint	S selfbin
F execute	S selfcore
F initialize	S selfdir
T zstd	S selflink
F compress	S selfname
F decompress	S selfpath
F initialize	F serialwrite
F optionalrequire	F setenv
T os	F setexitcode
F __getenv__	F setlocale
F __setenv__	F sleep
S binsuffix	F startuptime
T binsuffixes	F time
N bits	F timezone
F clock	F tmpname
F converttime	F today
F date	S type

F uname	F libpaths
F uuid	T loaded
F validate	B anch-loc
F weekday	B anch-pgr
F where	B anch-snc
F which	B back-exp
T package	B back-exp-imp-fnt
S config	B back-exp-imp-mth
S cpath	B back-exp-imp-ref
F extralibpath	B back-exp-imp-tag
F extralibpaths	B back-imp-lua
F extraluapath	B back-imp-mps
F extraluapaths	B back-imp-pdf
T helpers	B back-imp-pdp
T builtin	B back-inc
F path specification	B blob-ini
F preload table	B buff-imp-default
F cleanpath	B buff-imp-escaped
F loaded	B buff-imp-lua
F loadedaslib	B buff-imp-mp
F loadedbyformat	B buff-imp-nested
F loadedbyname	B buff-imp-parsed-xml
F loadedbypath	B buff-imp-tex
F lualibfile	B buff-imp-xml
T methods	B buff-ini
F all in one fallback	B buff-par
F already loaded	B buff-ver
F cpath specification	B char-enc
F lib extra list	B chem-ini
F lib variable format	B chem-str
F lua extra list	B cldf-com
F lua variable format	B cldf-ver
F not loaded	B colo-icc
F path specification	B colo-ini
F preload table	B cont-run
F qualified path	B core-con
F reset loaded	B core-ctx
F registerpath	B core-dat
F report	B core-sys
T sequence	T curl
F showused	F escape
B trace	F fetch
B traceused	F getversion
F unload	S libfile

S libpath	B font-lua
F unescape	B font-map
B driv-shp	B font-mpf
B file-mod	B font-mps
B file-syn	B font-nod
B font-afk	B font-ogr
B font-agl	B font-one
B font-aux	B font-onr
B font-cff	B font-osd
B font-chk	B font-ota
B font-cid	B font-otc
B font-col	B font-otd
B font-con	B font-oth
B font-ctx	B font-oti
B font-def	B font-otj
B font-dsp	B font-otl
B font-enc	B font-oto
B font-enh	B font-otr
B font-fbk	B font-ots
B font-fmp	B font-ott
B font-hsh	B font-oup
B font-imp-checks	B font-pat
B font-imp-combining	B font-prv
B font-imp-compound	B font-san
B font-imp-digits	B font-sel
B font-imp-dimensions	B font-shp
B font-imp-effects	B font-sol
B font-imp-italics	B font-syn
B font-imp-ligatures	B font-tfm
B font-imp-math	B font-tpk
B font-imp-notused	B font-trt
B font-imp-properties	B font-ttf
B font-imp-quality	B font-txt
B font-imp-reorder	B font-vfc
B font-imp-scripts	B font-vir
B font-imp-spacekerns	B good-ctx
B font-imp-tex	B good-gen
B font-imp-text	B good-ini
B font-imp-tracing	B good-mth
B font-imp-tweaks	B grph-bmp
B font-imp-unicode	B grph-con
B font-init	B grph-epd
B font-lig	B grph-fil
B font-log	B grph-img

B grph-inc	B lpdf-sig
B grph-pat	B lpdf-tag
B grph-raw	B lpdf-u3d
B grph-rul	B lpdf-wid
B grph-trf	B lpdf-xmp
B grph-u3d	T ltn12
B java-ini	N BLOCKSIZE
T json	T filter
F load	F chain
F toJSON	F cycle
F tolua	T pump
F toString	F all
B lang-cnt	F step
B lang-def	F report
B lang-dis	T sink
B lang-hup	F chain
B lang-hyp	F error
B lang-ini	F file
B lang-lab	F null
B lang-rep	F simplify
B lang-tra	F table
B lang-txt	T source
B lang-url	F cat
B lang-wrd	F chain
B libs-imp-curl	F empty
B libs-imp-ghostscript	F error
B libs-imp-graphicsmagick	F file
B libs-init	F rewind
B lpdf-ano	F simplify
B lpdf-col	F string
B lpdf-epa	B lxml-css
B lpdf-epd	B lxml-dir
B lpdf-fix	B lxml-ent
B lpdf-fix-imp-contents	B lxml-ini
B lpdf-fix-imp-fonts	B lxml-mms
B lpdf-fld	B lxml-sor
B lpdf-fmt	B lxml-tex
B lpdf-grp	B math-act
B lpdf-img	B math-ali
B lpdf-init	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 math-init	B node-ref
B math-map	B node-rul
B math-mps	B node-tra
B math-noa	B node-typ
B math-pre	B pack-obj
B math-rad	B pack-ori
B math-ren	B pack-rul
B math-spa	B page-blk
B math-tag	B page-cst
B math-ttv	B page-flt
B math-txt	B page-ini
B math-vfu	B page-inj
B meta-blb	B page-ins
B meta-fnt	B page-lin
B meta-fun	B page-mix
B meta-imp-txt	B page-otr
B meta-init	B page-pst
B meta-lua	B page-sel
B meta-nod	B page-str
B meta-pdf	T pdfdecode
B meta-tex	T pdfe
B mlib-cnt	F arraytotable
B mlib-ctx	F close
B mlib-fio	F closestream
B mlib-int	F dictionarytotable
B mlib-lmp	F getarray
B mlib-lmt	F getboolean
B mlib-lua	F getbox
B mlib-mat	F getcatalog
B mlib-mpf	F getdictionary
B mlib-msh	F getencodingvalues
B mlib-pdf	F getfieldtypes
B mlib-pos	F getfromarray
B mlib-pps	F getfromdictionary
B mlib-ptr	F getfromobject
B mlib-ran	F getfromreference
B mlib-run	F getfromstream
B mlib-scn	F getinfo
B mlib-snc	F getinteger
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

F getobjectrange	F __shl
F getpage	F __shr
F getpages	F __sub
F getpermissions	F __tostring
F getsize	F __unm
F getstatus	F abs
F getstatusvalues	F acos
F getstream	F asin
F getstring	F atan
F gettrailer	F band
F getversion	F bor
F new	F bxor
F open	F ceil
F openfile	F conj
F openstream	F copy
F pagestotable	F cos
F readfromstream	F exp
F readwholestream	F exp2
F type	F expand
F unencrypt	F floor
B phys-dim	F frombyte
T pngdecode	F fromchar
F applyfilter	F fromposit
F expand	F integer
F interlace	F log
F makemask	F log10
F reduce	F log1p
F splitmask	F log2
F tocmk	F logb
F tomak	F max
T posit	F min
F NaN	F modf
F NaR	F new
F __add	F pow
F __band	F rotate
F __bor	F round
F __bxor	F rounded
F __div	F shift
F __eq	F sin
F __le	F sqrt
F __lt	F tan
F __mul	F tobyte
S __name	F tochar
F __pow	F tonumber

F toposit	B scrp-eth
F tostring	B scrp-init
T potrace	B scrp-tha
F checked	B scrp-tib
F concat	T serial
F contourplot	F __gc
F convert	S __name
F count	F __tostring
F flush	F close
F free	F open
F fromfile	F send
F getbitmap	F tostring
F getnewfields	F write
F getpolicyvalues	T sha2
F getprocessfields	F HASH256
F new	F HASH384
F process	F HASH512
F setbitmap	F HEX256
F stripped	F HEX384
F totable	F HEX512
F trace	F digest256
B publ-aut	F digest384
B publ-dat	F digest512
B publ-fnd	F hash256
B publ-inc	F hash384
B publ-init	F hash512
B publ-jrn	F hex256
B publ-oth	F hex384
B publ-reg	F hex512
B publ-sor	F sum256
B publ-tra	F sum384
B publ-usr	F sum512
T qrcodegen	T sio
F bitmap	F read2dot14
F generate	F readbytes
B regi-init	F readbytetable
B scrn-but	F readcardinal1
B scrn-fld	F readcardinal1le
B scrn-hlp	F readcardinal2
B scrn-init	F readcardinal2le
B scrn-pag	F readcardinal3
B scrn-ref	F readcardinal3le
B scrn-wid	F readcardinal4
B scrp-cjk	F readcardinal4le

F readcardinaltable	S accept-ranges
F readline	S action
F readcstring	S age
F readfixed2	S allow
F readfixed4	S alternate-recipient
F readinteger1	S arrival-date
F readinteger1le	S authorization
F readinteger2	S bcc
F readinteger2le	S cache-control
F readinteger3	S cc
F readinteger3le	S comments
F readinteger4	S connection
F readinteger4le	S content-description
F readintegeratable	S content-disposition
F tocardinal1	S content-encoding
F tocardinal1le	S content-id
F tocardinal2	S content-language
F tocardinal2le	S content-length
F tocardinal3	S content-location
F tocardinal3le	S content-md5
F tocardinal4	S content-range
F tocardinal4le	S content-transfer-encoding
T socket	S content-type
N BLOCKSIZE	S cookie
N _SETSIZE	S date
N _SOCKETINVALID	S diagnostic-code
F bind	S dsn-gateway
F choose	S etag
F connect	S expect
F connect4	S expires
F connect6	S final-log-id
T dns	S final-recipient
F getaddrinfo	S from
F gethostname	S host
F getnameinfo	S if-match
F tohostname	S if-modified-since
F toip	S if-none-match
F gettime	S if-range
T headers	S if-unmodified-since
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 max-forwards	F normalize
S message-id	T http
S mime-version	N TIMEOUT
S original-envelope-id	S USERAGENT
S original-recipient	F genericform
S pragma	F open
S proxy-authenticate	F request
S proxy-authorization	F newtry
S range	F protect
S received	F report
S received-from-mta	F select
S references	F sink
S referer	T sinkt
S remote-mta	F close-when-done
S reply-to	F default
S reporting-mta	F http-chunked
S resent-bcc	F keep-open
S resent-cc	F skip
S resent-date	F sleep
S resent-from	F source
S resent-message-id	T sourcet
S resent-reply-to	F by-length
S resent-sender	F default
S resent-to	F http-chunked
S retry-after	F until-closed
S return-path	F tcp
S sender	F tcp4
S server	F tcp6
S smtp-remote-recipient	T tp
S status	N TIMEOUT
S subject	F connect
S te	F try
S to	T url
S trailer	F absolute
S transfer-encoding	F build
S upgrade	F build_path
S user-agent	F escape
S vary	F parse
S via	F parse_path
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

B spac-chr	F getreadstate
B spac-hor	F getsavestate
B spac-ovl	F getsparsestate
B spac-par	F getstringstate
B spac-pas	F gettexystate
B spac-prf	F gettokenstate
B spac-twi	F getwarningstate
B spac-ver	T iocodes
T sparse	F list
F concat	F resetmessages
F get	B strc-bkm
F max	B strc-blk
F min	B strc-con
F new	B strc-doc
F range	B strc-flt
F restore	B strc-init
F set	B strc-itm
F traverse	B strc-lev
F wipe	B strc-lst
T status	B strc-mar
F getbalancestate	B strc-mat
F getbufferstate	B strc-not
F getcallbackstate	B strc-num
F getconstants	B strc-pag
F geterrorlinestate	B strc-ref
F geterrorstate	B strc-reg
F getexpandstate	B strc-rsc
F getfilestate	B strc-syn
F getfontstate	B strc-tag
F gethalferrorlinestate	B strc-usr
F gethashstate	T string
F gethyphenationstate	F autodouble
F getinputstate	F autosingle
F getinsertstate	F booleanstring
F getlanguagestate	F byte
F getlinebreakstate	F bytepairs
F getlookupstate	F bytes
F getluastate	F bytetable
F getmarkstate	F char
F getmvlstate	F characterpairs
F getneststate	F characters
F getnodestate	F checkedsplit
F getparameterstate	F chrtointeger
F getpoolstate	F collapsespaces

F containsws	F sub
F count	F texhashed
F dectointeger	F texnewline
F dump	F tformat
F escapedpattern	F toHEX
F escapedquotes	F toboolean
F f6	F tobytes
F find	F tocontext
F format	F todec
F formatter	F todimen
D formatters	F tohex
F fullstrip	F tonodes
F gmatch	F topattern
F gsub	F totable
T hashes	F tounicode16
T X00	F toutf
T spaces	F toutf16
F hextocharacters	F toutf32
F hextointeger	F toutf8
F is_boolean	F tracedchar
F is_empty	F unescapedquotes
F itself	F unpack
F len	F unquote
F limit	F unquoted
F linetable	F upper
F longtostring	F utf16toutf8
F lower	F utfcharacter
F match	F utfcharacters
F nospaces	F utfcharactertable
F octtointeger	F utflength
F optionalquoted	F utfpadd
F pack	F utfpadding
F packrowscolumns	F utftabletostring
F packsize	F utfvalue
F quote	F utfvalues
F quoted	F utfvaluetable
F rep	F valid
F replacenewlines	F wordsplitter
F reverse	B symb-emj
F split	B symb-ini
F splitintolines	B syst-cmp
F splitlines	B tabl-ali
F splitup	B tabl-ntb
F strip	B tabl-tbl

B	tabl-xtb	F	setmetatablecall
T	table	F	setmetatableindex
F	append	F	setmetatableindices
F	are_equal	F	setmetatablenewindex
F	combine	F	sort
F	compact	F	sorted
F	concat	F	sortedhash
F	contains	F	sortedhashkeys
F	copy	F	sortedhashonly
F	count	F	sortedindexonly
F	create	F	sortedkeys
F	derive	F	sortedpairs
F	deserialize	F	sparse
F	fastcopy	F	strip
F	fastserialize	F	sub
F	filtered	F	swapped
F	flattened	F	tocontext
F	fromhash	F	tocsv
F	getn	F	tofile
F	has_one_entry	F	tohandle
F	hashed	F	tohash
F	identical	F	toxml
F	imerge	F	unique
F	imerged	F	unpack
F	insert	B	task-ini
F	is_empty	T	tex
F	is_simple_table	T	amcode
F	keys	T	attribute
F	load	F	attributetracking
F	loweredkeys	D	automigrationcodes
F	makeweak	D	autoparagraphcodes
F	merge	F	badness
F	merged	D	badnessmodecodes
F	mirrored	F	balance
F	move	D	balancecallbackcodes
F	pack	T	boundaries
F	prepend	D	names
F	print	D	numbers
F	remove	F	system
F	reverse	T	box
F	reversed	D	boxoptioncodes
F	save	T	boxresources
F	sequenced	F	getbox
F	serialize	F	getdimensions

F save	F getadjustoptionvalues
F use	F getalignmentcontextvalues
D breakcodes	F getamcode
D buildcodes	F getappendadjustcontextvalues
T catcode	F getappendmigratecontextvalues
T cccode	F getattribute
D charactercontrolcodes	F getautomigrationvalues
D charertagcodes	F getautoparagraphvalues
F chardef	F getbadnessmodevalues
F checkdelayedglue	F getbalancecallbackvalues
D classoptioncodes	F getbalanceparameterfields
T codes	F getbalanceoptionvalues
D conditionals	F getbalancestepoptionvalues
D constants	F getbox
T count	F getboxdir
F cprint	F getboxoptionvalues
N ctdcatcodes	F getboxresourcebox
N ctxcatcodes	F getboxresourcedimensions
F definefont	F getbreakcontextvalues
T delcode	F getbuildcontextvalues
T dimen	F getcardinalvalue
F dimensiondef	F getcatcode
D directioncodes	F getcccode
D directives	F getcharactercontrolvalues
D discriptioncodes	F getcharertagvalues
D discpartcodes	F getcount
F dontcomplain	F getcurrentml
D doublescriptoptioncodes	F getdelayedgluelocationvalues
F enableprimitives	F getdelayedgluetargetvalues
F error	F getdelcode
F expandasvalue	F getdelcodes
D experiments	F getdimen
F extraprimitives	F getdimensionvalue
F fatalerror	F getdirectionvalues
D fillcodes	F getdiscriptionvalues
D flagcodes	F getdiscpartvalues
F fontidentifier	F getdoublescriptoptionvalues
F fontname	F getemptyparagraphmodevalues
F forceehmode	F geterrorrecoverymodevalues
F forceinputstatefile	F geterrorvalues
F forceinputstateline	F getfillvalues
F fprintf	F getflagvalues
D frozenparcodes	F getfloat
F get	F getfontdimension

F getfontoffamily	F getlistanchorvalues
F getfrozenparvalues	F getlistfields
F getglue	F getlistgeometryvalues
F getglueoptionvalues	F getlistsignvalues
F getglyphdata	F getlocalbox
F getglyphdiscvalues	F getlocalboxlocations
F getglyphoptionvalues	F getlocallevel
F getglyphprotectionvalues	F getmark
F getglyphscales	F getmarknames
F getglyphscript	F getmath
F getglyphstate	F getmathclassoptionvalues
F getgroupvalues	F getmathcode
F gethccode	F getmathcodes
F gethelptext	F getmathcontrolvalues
F gethmcode	F getmathdir
F gethyphenationvalues	F getmathgluevalues
F getiftypes	F getmathoptionvalues
F getinputstatefile	F getmathparametervalues
F getinputstateline	F getmathscriptordervalues
F getinputstatemode	F getmathscriptsmodvalues
F getinsertcategoryvalues	F getmathstylenamevalues
F getinsertcontent	F getmathstylevalues
F getinsertdepth	F getmathstylevariant
F getinsertdistance	F getmathsurroundvalues
F getinsertheight	F getmathvariantpresets
F getinsertlimit	F getmathvariantvalues
F getinsertmaxplaced	F getmeasure
F getinsertmultiplier	F getmissingcharactervalues
F getinsertoptionvalues	F getmode
F getinsertsplitvalues	F getmodevalues
F getinsertwidth	F getmuglue
F getintegervalue	F getmuskip
F getinteraction	F getmvoptionvalues
F getinteractionmodes	F getnest
F getiovalues	F getnestfields
F getkerneloptionvalues	F getnestlevel
F getkernoptionvalues	F getnoadoptionvalues
F getlargestusedmark	F getnormalizelinevalues
F getlccode	F getnormalizeparvalues
F getlinebreakparameterfields	F getoutputactive
F getlinebreakresultfields	F getpacktypevalues
F getlinebreakstatevalues	F getpagecontextvalues
F getlinedir	F getpagestate
F getlist	F getpagestatevalues

F getparagraphoptionvalues	D ifs
F getparametermodevalues	N inicatcodes
F getparcontextvalues	D insertcategorycodes
F getpardataspecifications	D insertoptioncodes
F getpardir	D insertsplithandles
F getparmodevalues	F integerdef
F getparstate	D interactioncodes
F getparstatefields	F isattribute
F getpartriggervalues	F isbox
F getpenaltyoptionvalues	F iscount
F getpositvalue	F isdefined
F getprepoststatevalues	F isdimen
F getprimitivelegacies	F isfloat
F getprimitiveorigins	F isglue
F getprotrusionboundaryvalues	F ismuglue
F getregisterindex	F ismuskip
F getruleoptionvalues	F isprintable
F getrunstate	F isskip
F getrunstatevalues	F istoks
F getsfcode	F lastnodetype
F getshapingpenaltiesvalues	T lccode
F getskip	F linebreak
F getsnappingvalues	D linebreakstatecodes
F getspecialmathclassvalues	D listanchorcodes
F getspecification	D listgeometrycodes
F getspecificationoptionvalues	T lists
F gettextcontrolvalues	D listsigncodes
F gettextdir	N luacatcodes
F gettoks	T magicconstants
F getuccode	S activecharacternamespace
F getuleaderlocationvalues	N allfitnessvalues
F getunitclassvalues	N assumedmathcontrol
F getusedmarks	N awfulbad
F getvsplitcontextvalues	N decentcriterion
T glue	N defaultcatcodetable
D glueoptioncodes	N defaultcharactercontrol
D glyphdiscodes	N defaultdeadcycles
D glyphoptioncodes	N defaulteqnogapstep
D groupcodes	N defaultthangafter
F hashtokens	N defaultoutputbox
T hccode	N defaultpredisplaygap
T hmcode	N defaultrule
N hshcatcodes	N defaultspacefactor
D hyphenationcodes	N defaulttolerance

N deplorable	N maxmvindex
N ejectpenalty	N maxnewlinecharacter
N ignoredepth	N maxnofbytecodes
N infinitebad	N maxnofcatcodetables
N infinitepenalty	N maxnofitnessvalues
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 minmvindex
N maxdimension	N minnofitnessvalues
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 maxglueregisterindex	N onebp
N maxhalfvalue	N preserulethickness
N maxhalfword	N runningrule
N maxinteger	N smallstretchability
N maxintegerregisterindex	N specialspacefactor
N maxintregisterindex	N texeqtbsize
N maxlimitedscale	N texhashprime
N maxmarkindex	N texhashsize
N maxmathclasscode	N texmemorymode
N maxmathfamilyindex	N two
N maxmathscalingfactor	N undefinedmathparameter
N maxmathstylescale	N unity
N maxmugluregisterindex	N unusedattributevalue

N unusedmathfamily	F quitlocal
N unusedmathstyle	F quittoks
N unusedscriptvalue	F resetparagraph
N unusedstatevalue	N rlncatcodes
N zeroglue	F romannumberal
F mathchardef	F round
T mathcode	D ruleoptioncodes
D mathcontrolcodes	F runlocal
D mathoptioncodes	D runstatecodes
D mathparametercodes	F runstring
D mathscriptordercodes	F runtoks
D mathscriptsmodecodes	F saveboxresource
T modelevels	F scale
N horizontal	F scantoks
N math	F set
N unset	F setamcode
N vertical	F setattribute
D modes	F setbalanceshape
F mprint	F setbox
T muglue	F setboxdir
T muskip	F setcardinalvalue
D mvloptioncodes	F setcatcode
T nest	F setcccode
N nilcatcodes	F setconditional
D noadoptioncodes	F setcount
D normalizepcodes	F setdelcode
D normalizeparcodes	F setdimen
N notcatcodes	F setdimensionvalue
F number	F setfloat
F overloadpermitted	F setglue
D parcontextcodes	F setglyphdata
D partriggercodes	F setglyphscript
D penaltyoptioncodes	F setglyphstate
F poplocal	F sethccode
F popsavelevel	F sethmcode
T posit	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 setinsertmaxplaced
F pushlocal	F setinsertmultiplier
F pushsavelevel	F setintegervalue

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 userdictioncodes
F setmuglue	D userglyphoptioncodes
F setmuskip	N vrbcatcodes
F setnest	F write
F setpardir	T texio
F setpositvalue	F closeinput
F setrunstate	F forceendoffile
F setsfcode	F getinputindex
F setskip	F getselectorvalues
F settextdir	F getsourcefilename
F settoks	F setlogfile
F setuccode	F terminal
T sfcode	F write
D shapingpenaltiescodes	F write_nl
F shiftparshape	F writenl
F shipout	F writeselector
F showcontext	F writeselectorlf
T skip	F writeselectornl
D snappingcodes	T token
F snapshotpar	F create
F sp	F expand
D specialmathclasscodes	F expand_macro
D specificationoptioncodes	F expandmacro
F splitbox	F future_expand
D splitcodes	F futureexpand
F sprint	F get_active
F stringtobitmap	F get_cmddchrcs
D systemmodes	F get_cmdname
F takebox	F get_command
N texcatcodes	F get_cservername
D textcontrolcodes	F get_cstoken
T toks	F get_dimension
F tonumber	F get_expandable
F toscaled	F get_fields
N tpacatcodes	F get_flags
N tpbcatcodes	F get_frozen
F tprint	F get_id

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 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
F getcommand	F locatemacro
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
F getflags	F popmacro
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_casename
F getrange	F scan_delimited

F scan_dimen	F scankey
F scan_float	F scankeyword
F scan_glue	F scankeywords
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 scancmdchexpanded	F setlua
F scancode	F setmacro
F scancsname	F setmacrofrommark
F scancstoken	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	B trac-bld
F scanint	B trac-jus
F scaninteger	B trac-par
F scanintegerargument	B trac-riv

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
B typo-dig	F average
B typo-dir	F bounds
B typo-drp	F checkoverlap
B typo-duc	F collectoverlap
B typo-fkr	F getarea
B typo-fln	F getmesh
B typo-hid	F makemesh
B typo-inj	F overlapping
B typo-itc	F show
B typo-krn	F sort
B typo-lan	F copy
B typo-lbx	F crossproduct
B typo-man	F delete
B typo-mar	F determinant
B typo-ovl	F div
B typo-pag	F equal
B typo-par	F exchange
B typo-pnc	F floor
B typo-prc	F get
B typo-rep	F getdimensions
B typo-rub	F getepsilon
B typo-spa	F getmesh
B typo-stc	F getrc
B typo-sus	F getrow
B typo-syn	F getstacking
B typo-tal	F gettype
B typo-wrp	T helpers
B unic-ini	F points
T utf8	F transform
F char	F xrotation
S charpattern	F xyzscale
F codepoint	F yrotation
F codes	F zrotation

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 getdimensions	F __unm
F ismesh	F abs
F new	F acos
F set	F acosh
F tostring	F arg
F totable	F asin
F type	F asinh
F meshname	F atan
F mul	F atanh
F negate	F conj
F new	F cos
F normalize	F cosh
F onecolumn	F dawson
F onerow	F erf
F product	F erfc
F remove	F erfcx
F replace	F erfi
F round	F exp
F rowechelon	F i
F set	F imag
F setepsilon	F log
F setnext	F new
F setrc	F pow
F setstacking	F proj
F slice	F real
F sort	F sin
F sub	F sinh
F swap	F sqrt
F tostring	F tan
F totable	F tanh
F transpose	F topair
F triangulate	F tostring
F truncate	F totable

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 __lt	F copysign
F __mod	F cos
F __mul	F cosh
S __name	F deg
F __pow	F erf
F __shl	F erfc
F __shr	F exp
F __sub	F exp2
F __tostring	F expm1
F __unm	F fabs
F abs	F fdim
F band	F floor
F bor	F fma
F bxor	F fmax
F conj	F fmin
F copy	F fmod
F exp	F frexp
F getprecision	F gamma
F ln	F hypot
F log	N inf
F max	F isfinite
F min	F isnan
F minus	F isnormal
F new	F j0
F plus	F j1
F pow	F jn
F rotate	F ldexp
F setprecision	F lgamma
F shift	F log
F sqrt	F log10
F toengstring	F log1p
F tonumber	F log2
F tostring	

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	scalbn	F	goslot
F	sin	F	limit
F	sinh	F	noto
F	sqrt	F	prepareflush
F	tan	F	presetsheets
F	tanh	F	presetspreadsheets
F	tgamma	F	put
F	trunc	F	putdirect
F	y0	F	registerarea
F	y1	F	registersheet
F	yn	F	registerspreadsheets
T	xzip	F	reset
F	adler32	F	resetdirect
F	compress	F	reshape
F	compressize	F	setarea
F	crc32	F	setextra
F	decompress	F	setsize
F	decompresssize	F	setspan
T	loaders	F	setlines
F	loadlib	F	setmvl
F	luapaths	F	setpresent
S	path	F	setproperties
F	poplibpath	F	setstart
F	popluapath	F	shape
T	preload	F	showshape
F	pushlibpath	F	state
F	pushluapath	F	status
F	searchpath	F	submvl
T	pagebuilders	F	submvlbalance
T	columnsets	T	injections
F	add	F	flushafter
F	addmvl	F	flushbefore
F	block	F	save

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 immediateobj	F textnum
T physics	F year
T units	D collected
F registershortcut	T components
F registerunit	F author
D tables	F concatstate
F print	F converttoxml
T publications	T currentspecification
F addtexentry	S author
F analyze	T categories
F anywhere	T article
D authorcache	S category
D authorcollapsers	T extra
T authorhashers	T fields
F invertedshort	S author
F normal	S editor
F normalinverted	S journal
F normalshort	S keywords
F sequential	S note
F sequentialshort	S number
F short	S pages
D authormap	S title
F authortoregister	S volume
T btx	S year
T casters	T optional
F author	T required
F keyword	T sets
F pagenumber	T author
F range	T virtual
F checkeddataset	T book
T citevariants	S category
F author	T extra
F authornum	T fields

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 year	S keywords
T optional	S number
T required	S page
T sets	S pages
T author	S volume
T editionset	S version
T virtual	D virtual
T demo-a	T virtualfields
S category	B authornum
T extra	B authoryear
T fields	B authoryears
S author	B num
S institution	B suffix
S organization	T datasets
S subtitle	T detailed
S title	F endnotes_to_btx
S year	T enhancer
T optional	S arguments
T required	T skip
T sets	T attr
T author	B dirty
T virtual	T gskip
T demo-b	T kind
S category	T list
T extra	T system
T fields	T order
S author	N steps
S institution	T enhancers
S organization	F details
S subtitle	F order
S title	F suffixes
S year	F finder
T optional	F firstofrange

F found	F uservariable
F get	T listvariants
F getcasted	F default
F getdetail	F index
F getdirect	F num
F getfaster	F short
F getfield	F tag
F getfuzzy	F load
F getindex	F loadbibdata
D inspectors	F loaddefinitionfile
T journals	T loaders
F abbreviated	F bbl
F add	F bib
F expanded	F buffer
F load	F endnote
F save	F json
F lastofrange	F lua
T lists	F refman
F collectentries	F registercleaner
F combiinlist	F xml
F fetchentries	F loadreplacementfile
F filterall	T meanings
F flushcombi	F new
F flushentry	F okay
F flushtag	F oneorange
T methods	F parenttag
F dataset	F permitted
F force	F prerollcmdstring
F global	F refman_to_btx
F label	F resolvedname
F local	F save
F nofregistered	T savers
F prepareentries	F bib
F register	F lua
F sameasprevious	F xml
T sorters	F search
F cite	F setcategory
F dataset	F setspecification
F default	F singularorplural
F index	F sortedentries
F list	T sortmethods
F reference	T authortitle
F short	T sequence
F used	T authoryear

T sequence	F rawset
T dataset	T regimes
T sequence	D backmapping
T key	F cleanup
T sequence	F disable
T specifications	F enable
F splitauthor	F fromregime
F splitoneauthor	F list
T statistics	D mapping
N nofbytes	F pop
N nofdatasets	F process
N nofdefinitions	F push
N nofshortcuts	F toregime
T tables	F translate
D implicits	F require
D origins	T resolvers
D privates	F allprefixes
D sets	F appendhash
D specials	F automount
D types	F booleanvariable
D virtuals	S cacheversion
F tags	F checkedvariable
T tracers	F cleanedpathlist
F showdatasetauthors	D cleaners
F showdatasetcompleteness	F cleanpath
F showdatasetfields	F cleanpathlist
F showentry	F cleanupbinfile
F showfields	D concatimators
F showhashedauthors	S configbanner
F showtables	F configurationfiles
F showvariants	D dangerous
T typesetters	F datastate
F author	T decompressors
F string	F register
F usedataset	F unregister
F usedentries	T defaultsuffixes
T writers	F dirstatus
F author	F dowithfilesandreport
F keyword	F dowithfilesintree
F pagenumber	F dowithpath
F range	F dowithvariable
F rawequal	T executers
F rawget	F expandbraces
F rawlen	F expandedpathfromlist

F expandedpathlist	F currentcomponent
F expandedpathlistfromvariable	F currentenvironment
F expandpath	F currentproduct
F expandpathfromvariable	F currentproject
F expansion	F currentstructure
F extendtexmfvariable	F justacomponent
F filtered_from_content	F namelist
F find_file	D processors
F find_files	F productcomponent
F findbinfile	F usefile
F findctxfile	F joinpath
D finders	F knownvariables
F findfile	T libraries
F findfiles	F optionalloaded
F findgivenfile	F validoptional
F findgivenfiles	F load
F findlib	F loadbinfile
F findpath	D loaders
F findpk	F loadlualib
F findtexfile	F loadtexfile
F findwildcardfile	F loadtime
F findwildcardfiles	F locateformat
F formatofsuffix	D locators
F formatofvariable	S luacnffallback
D formats	S luacnfname
F foundintree	S luacnfspec
F foundintrees	S luacnfstate
D generators	T macros
F get_from_content	F convertfile
F getenv	F decodecomment
F getextrapaths	F enablecomment
F getfilehashes	F encodecomment
F gethashes	F preprocessed
F getownpath	F processsmk
F getreadfilename	F processsmklx
D hashers	F processmkvi
S homedir	F version
F ignorelibrary	N maxreadlevel
F initialized	F methodhandler
F installinputfilehandler	F missinglibrary
F installinputlinehandler	F openbinfile
F jobpath	D openers
T jobs	F openfile
F collectstructure	F opentexfile

S ownpath	F starttiming
F popextrapath	F stoptiming
F popinputname	D suffixes
F poppath	D suffixmap
D prefixes	F suffixofformat
F prependhash	F texdatablob
F pushextrapath	F toppath
F pushinputname	D tracers
F pushpath	F unexpandedpath
F registerextrapath	F unexpandedpathlist
F registerfile	F unresolve
F registerfilehash	F updaterelations
F registerintrees	F updatescript
F registermethod	F uselibrary
F registerzipfile	D usertypes
D relations	F usezipfile
F renew	F validatedpath
F renewcache	F variable
F repath	F variableofformat
F reset	F variableofformatsuffix
F resetextrapaths	F wildcardpattern
F resetresolve	T sandbox
F resolve	F blockrequire
D savers	F disablelibraries
F scandata	F disablerunners
F scanfiles	F enable
T schemes	F filehandlerone
T cleaners	F filehandlertwo
F md5	F finalizer
F none	F getrunner
F strip	F initializer
F cleanname	F iohandler
F fetchstring	F logcalls
F fetchtable	F logfiles
F install	F original
F setdynamic	F overload
F setenv	F possiblepath
F showpath	F redefine
F simplescanfiles	F register
F splitconfigurationpath	F registerbinary
F splitexpansions	F registerlibrary
F splitmethod	F registerroot
F splitpath	F registerrunner
F stackpath	F report

F setfilenamelogger	T set
F setlogger	F contains
F setreporter	F create
F settrace	F tolist
F validfilename	F tonumber
T scripts	F totable
T aut;fontfeature	F setinspector
F disable	F setmathparameters
F enable	F setmetatable
F handler	T sorters
D colors	F basicsorter
F decomposehangul	T comparers
T defaults	F basic
N inter_char_half_shrink_factor	T constants
N inter_char_half_stretch_factor	S defaultdigits
N inter_char_hangul_penalty	S defaultlanguage
N inter_char_quarter_shrink_factor	S defaultmethod
N inter_char_quarter_stretch_factor	N digitsmaximum
N inter_char_shrink_factor	N digitoffset
N inter_char_stretch_factor	N ignoredoffset
N inter_word_stretch_factor	N replacementoffset
F getdata	T validmethods
F getinjector	B ch
F getsplitter	B mc
F getstatus	B mm
D handlers	B pc
D helpers	B pm
D injectors	B uc
T inserters	B zc
F nobreakspace_after	B zm
F nobreakspace_before	D definitions
F space_after	F firstofsplit
F space_before	F packch
F zerowidthspace_after	F packuc
F zerowidthspace_before	F replacementlist
F installdataset	F setlanguage
F installmethod	F sort
D numbertodataset	T splitters
D numbertohandler	F utf
F reset	F strip
F set	D tracers
F setstatus	F update
D splitters	T statistics
F select	F benchmarktimer

F checkfmtstatus	F collect
F currenttime	F disable
F elapsed	F enable
F elapsedindeed	F flush
F elapsedseconds	F initialize
F elapsedtime	F push
B enable	F start
T feedback	F stop
F info	F synchronize
F processstates	T structures
F register	F atlocation
F reportstates	T blocks
F setstate	D collected
F formatruntime	F define
F hastiming	F empty
F memused	F print
F register	F save
F resettiming	F select
F runtime	F setstate
F savefmtstatus	D states
F show	D tobesaved
F showmemory	F uservariable
F showusage	T bookmarks
F starttiming	T extras
F stoptiming	F get
N threshold	F mergesections
F timed	F register
F tracefunction	F reset
T storage	F tosections
F allocate	F finalize
T data	F flatten
F mark	F installhandler
F marked	F merge
N max	S method
N min	F overload
N nmodules	F place
N noftables	F register
F register	F setopened
D shared	F setup
D storedfunctions	T counters
B strip	F add
N tofmodules	F analyze
N toftables	F check
T streams	D collected

F compact	F prefix
F converted	F prefixlastpage
F currentvalue	F prefixpage
D data	F simplify
F define	F title
F first	F touserdata
F get	T inserts
F last	F attach
F next	D data
F prev	F define
F previous	F detach
F raw	F getdata
F record	F getlocation
F reset	F getname
F restart	F getnumber
F restore	Fnofdetached
F save	F setlocation
F set	F setup
F setlevel	D stored
F setoffset	T itemgroups
F setown	D collected
F setstate	D tobesaved
F setvalue	T lists
T specials	F addto
F userpage	F analyze
F subs	F bookmark
D tobesaved	D cached
F value	D collected
F way	F discard
F currentsectionnumber	F enhance
T descriptions	T enhancers
T documents	F external
D data	F filter
F initialize	F formulanumber
F preset	F getresult
F reset	F groupindex
T floats	F hasnumberdata
T formulas	F haspagedata
T helpers	F hastitledata
F analyze	F integrate
F formulanumber	F iscached
F merged	D kinds
F page	F label
F pageofinternal	F location

D names	F internal
F number	F internalid
D ordered	F listindex
F page	D numbers
F popnesting	F ordered
F prefix	F postpone
F prefixednumber	F resetpostponed
F prefixedpage	F restore
F process	F save
D pushed	F setstate
F pushnesting	D states
F rawnumber	F store
F rawrealpage	T pages
F rawuserpage	F allmarked
F realpage	F analyze
F reorder	D collected
F reordered	F fraction
T result	F getlabels
F savedlistnumber	F in_body
F savedlistprefixednumber	F is_odd
F savedlisttitle	F mark
D sectionblocks	F marked
F size	F markedlist
F title	N nofpages
D tobesaved	F number
F use	F on_right
F userdata	F save
F userpage	D tobesaved
F uservalue	F toranges
T marks	T references
F number	F analyze
F title	F checked
T notes	F checkedfile
F checkpagechange	F checkedfileorurl
F define	F checkedprogram
F flushrange	F checkedrealpage
F get	F checkedurl
F getdeltapage	D collected
F getinternal	U componentsplitter
F getn	F currentmetadata
F getstate	F currentorder
F getstorecount	D currentset
F getstoreflushed	F define
F hascontent	D defined

D derived	F get
F enhance	F realpageofpage
D executers	F referenced
F export	U referencesplitter
T files	D referred
T data	F referredpage
F define	F registerfinalizer
F found	F registerinitializer
F get	F registerpage
F filter	F reset
F filterdefault	D runners
D filters	F set
D flaginternals	F setandgetattribute
F forceinnermode	F setinternalreference
F from	F setlinkmethod
D functions	F setnextinternal
F get	F setnextorder
F getcurrentlabel	F setreferencerealpage
F getcurrentmetadata	F setstructure
F getcurrentprefixspec	D specials
F getinnermethod	F splitcomponent
F getinternalcachedlistreference	F splitprefix
F getinternalalllistreference	F splitreference
F getinternalreference	F synchronizepage
F getoutermethod	T testrunners
D handlers	F inner
F identify	F special
F import	F special operation
F inject	F special operation with arguments
F injectcurrentset	T testspecials
S innermethod	F deltapage
F integrate	F i
D internals	F internal
F load	F page
F loadpresets	F realpage
F mark	F section
S outermethod	F userpage
F pagefromhash	D tobereferrals
D pages	D tobesaved
U prefixsplitter	D tracedpages
D productdata	T urls
T programs	T data
T data	F define
F define	F found

F get	F getnumber
F untex	F internalreference
D usedinternals	D levelmap
D usedviews	D levels
F valid	F matchingtilldepth
T registers	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	T sectionblockdata
F findinternal	T bodypart
F flush	S bookmark
F get	F set
F integrate	F setblock
F prepare	F setchecker
F process	F setentry
F setmethod	F setinitialblock
F sort	F setlevel
F store	F setnumber
D tobesaved	F showstructure
F tweak	F structuredata
F unique	F title
F use	D tobesaved
F userdata	F typesetnumber
T sections	F userdata
F autodepth	B verbose
F cct	T sets
D collected	F define
F current	F get
F currentblock	F getall
F currentid	D setlist
F currentlevel	T specials
F currentsectionindex	D collected
F depthnumber	F retrieve
F finddata	F store
F findnumber	D tobesaved
F fullnumber	T synonyms
F getcurrentlevel	F analyzed
F getlevel	D collected

F compare	F descriptionsymbol
F define	F document
F enhance	F float
F filter	F formulacontent
F finalize	F image
F firstuserpage	F item
F flush	F itemgroup
F isshown	F link
F isused	F listitem
F meaning	F mmultiscripts
F pages	F mover
F prepare	F mpgraphic
F process	F msub
F register	F msubsup
F registershow	F msup
F registerused	F munder
F reset	F munderover
F resetall	F paragraph
F resetlist	F publication
F resetshow	F reference
F resetused	F registerlocation
F sort	F registerpages
F synonym	F registerseparator
D tobesaved	F section
F userpages	F sorting
T tags	F subsentencesymbol
F analyze	F synonym
T backend	F tablecell
T checks	F tabulate
F marginanchor	F tabulatecell
F margintext	T finalizers
F math	F descriptions
F mrow	T fixes
F mtable	F linenumber
T destinationhash	F fontfaced
T extras	T listdata
F adddestination	T referencehash
F addimplicit	F setattribute
F addinternal	F tofontface
F addreference	T usedimages
F combination	T image
F combinationpair	T mpgraphic
F delimitedsymbol	T usedstyles
F description	T construct

T highlight	T patterns
F checknesting	U splitter
F current	F pop
F elementtag	D properties
F enabled	F push
F exportbox	F registerextradata
F finishexport	F registermetadata
F getdescriptionindex	F restart
F getextradata	F setaspects
F getid	F setattributehash
F getitemgroup	F setcodepoint
F getmetadata	F setcombination
F getoption	F setcombinationpair
F getsorting	F setconstruct
F getsynonym	F setdescriptionindex
F gettablecell	F setfigure
F gettabulatecell	F setfloat
F gettagreferencedescription	F setformulacontent
F handler	F sethighlight
T ignored	F setitem
F initializeexport	F setitemgroup
D labels	F setmpgraphic
F last	F setnotation
F lastinchain	F setnotationsymbol
F localexport	F setparagraph
F locatedtag	F setproperty
T modes	F setpublication
S BlockQuote	F setregister
S FENote	F setsorting
S H1	F setsynonym
S H2	F settablecell
S H3	F settabulatecell
S H4	F settaggeddelimitedsymbol
S H5	F settagsubsentencesymbol
S H6	F setupexport
S H7	F setuserproperties
S H8	D specifications
S H9	F start
S Lbl	F stop
S NonStruct	F strip
S P	D taglist
S Part	T unsupported
S Sect	B Annot
D overloads	B Art

B BibEntry	S TOCI
B Caption	S Title
B Document	D texconditionals
B DocumentFragment	T texconfig
B Em	T buffersize
B Form	N size
B H	N step
B Index	T errorlinesize
B Link	N size
B Note	T expandsize
B Quote	N size
B Reference	T filesize
B Strong	N size
B TOC	N step
B TOCI	S firstline
B Title	T fontsize
T usewithcare	N size
T where	N step
S Art	S formatname
S Artifact	N functionsize
S Aside	T halfforerrorlinesize
S BibEntry	N size
S BlockQuote	T hashsize
S Code	N size
S DocumentFragment	N step
S Em	F init
S FENote	T inputsize
S H1	N size
S H2	N step
S H3	T insertsize
S H4	N size
S H5	N step
S H6	B kpse_init
S H7	T languagesize
S H8	N size
S H9	N step
S Index	T marksize
S Note	N size
S Private	N step
S Quote	T nestsize
S Reference	N size
S Strong	N step
S Sub	T nodesize
S TOC	N size

N step	N begingroup
T parametersize	N character
N size	N close
N step	N comment
T poolsize	N endgroup
N size	N endofline
N step	N escape
N propertiesize	N ignore
T savesize	N invalid
N size	N letter
N step	N mathshift
S shell_escape	N open
T stringsize	N other
N size	N parameter
N step	N space
T tokenize	N subscript
N size	N superscript
N step	N whitespace
D texconstants	D cache
D texifs	D commands
D texisdefined	F compile
D texmodes	F constant
D texsystemmodes	T converters
T thirddata	S toboolean
F toboolean	S todimen
F todecimal	S togue
T tokens	S tonumber
T accessors	S tostring
F active	F create
F cmd	F defined
F cmdchrcs	F flags
F cmdname	F getinteger
F command	T getters
F csname	F box
F expandable	F count
F frozen	F cstoken
F index	F dimen
F name	F glue
F protected	F macro
F range	F meaning
F astable	F skip
T bits	F token
N active	F gobble
N alignment	F isactivestring

F isdefined	F delimited
F istoken	F detokened
F new	F dimen
F pickup	F dimension
F popmacro	F dimensionargument
T presets	F float
T 1 argument	F glue
T 1 integer	F glucspec
T 1 optional	F gluevalues
T 1 string	F hash
T 2 arguments	F hbox
T 2 integers	F integer
T 2 optionals	F integerargument
T 2 strings	F ischar
T 3 arguments	F key
T 3 integers	F keyword
T 3 optionals	F keywordcs
T 3 strings	F letters
T 4 arguments	F list
T 4 integers	F lua
T 4 optionals	F luocardinal
T 4 strings	F luainteger
T 5 strings	F luanumber
T 6 strings	F lxmid
T 7 strings	F next
T 8 strings	F nextchar
F pushmacro	F nextexpanded
T scanners	F number
F argument	F optional
F argumentasis	F peek
F array	F peekchar
F boolean	F peekexpanded
F box	F posit
F bracketed	F real
F bracketedasis	F scanclose
F cardinal	F scanopen
F char	F skip
F cmdchr	F skipexpanded
F cmdchrexpanded	F string
F code	F table
F conditional	F token
F count	F tokencode
F csname	F tokenlist
F csnameunchecked	F tokens

F tokenstring	F scangluevalues
F toks	F scanhash
F value	F scanbbox
F vbox	F scaninteger
F verbatim	F scanintegerargument
F vtop	F scankeyword
F whd	F scankeywords
F word	F scanletters
F setinteger	F scanlist
T setters	F scanlua
F box	F scannumber
F char	F scanopen
F count	F scanoptional
F dimen	F scanposit
F glue	F scanstring
F lua	F scantable
F macro	F scantokenlist
F skip	F scantokenstring
T shortcuts	F scantoks
N close	F scanvbox
F inspect	F scanverbatim
N open	F scanvtop
F report	F scanword
F scanargument	F toboolean
F scanargumentasis	F todimen
F scanarray	F tonumber
F scanboolean	F tostring
F scanbox	D values
F scanbracketed	F tonumber
F scanbracketedasis	F tostring
F scandecimal	T tracers
F scanclose	F printerror
F scancode	F printwarning
F scanconditional	F showlines
F scancsname	T trackers
F scancsnameunchecked	D data
F scandelimited	F default
F scandetokened	F disable
F scandimen	T done
F scandimension	F dumphashofile
F scandimensionargument	F enable
F scanfloat	F list
F scanglue	S name
F scangluespec	F register

F report	F setpair
F reset	F setup
F savehash	T corrections
F show	F handler
F value	T digits
F values	T actions
F type	F handler
T typesetters	F set
T alignments	T directions
F handler	F getfences
F set	F getglobal
T breakpoints	F getmethod
F define	F handler
F handler	T handlers
D mapping	F installhandler
T methods	F set
T numbers	F setcolor
F set	F tomode
F setreplacement	T firstlines
T cases	T actions
T actions	F default
F handler	F line
F register	F word
F set	F handler
T characteralign	F set
F handler	T fontkerns
F resetcharacteralign	F handler
F setcharacteralign	T initials
T characters	T actions
F handler	F default
T methods	F handler
F replacenbsp	F set
F replacenbspaces	T injectors
T checkers	F check
F handler	T list
F reset	F mark
F set	F reset
T cleaners	F set
F handler	F show
F set	T italics
T compare	F enablemath
F handler	F enabletext
F reset	F handler
F set	T kerns

D factors	F startapply
F handler	F stopapply
F keepligature	F stripped
D mapping	F tostring
F set	T rubies
T localboxes	F attach
F handler	F check
T manipulators	F showinvisibles
F apply	F showsuspects
F applyspecification	T spacings
T methods	F define
F Word	F handler
F Words	D mapping
F abbreviatedjournal	T numbers
F expandedjournal	T frenchpunctuation
F lowercase	T characters
F stripperiod	S name
F uppercase	N number
T patterns	F reset
U list	F set
U pair	F setup
F splitspecification	T stacking
T margins	F getindex
F finalhandler	F getselection
F globalhandler	F handler
F localhandler	T swapping
F save	F handler
F marksuspects	T synchronize
T paragraphs	F handler
F addanchortoline	T tighten
F addtoline	F handler
F calculatedelta	T wrappers
F checkline	T xtables
F moveinline	F cleanup
T periodkerns	F construct
D factors	F create
F handler	F finish_row
D mapping	F flush
F set	F initialize_construct
T processors	F initialize_reflow_height
F apply	F initialize_reflow_width
F register	F next_row
F reset	F reflow_height
F split	F reflow_width

F set_construct	F tostring
F set_reflow_height	F totable
F set_reflow_width	F upper
F unpack	F ustring
T updaters	F utf16_to_utf8_be
F apply	F utf16_to_utf8_be_t
F register	F utf16_to_utf8_le
T url	F utf16_to_utf8_le_t
F addscheme	F utf16_to_utf8_t
F barepath	F utf32_to_utf8_be
F construct	F utf32_to_utf8_be_t
F decode	F utf32_to_utf8_le
F encode	F utf32_to_utf8_le_t
F escape	F utf32_to_utf8_t
F filename	F utf8_to_utf16
F hashed	F utf8_to_utf16_be
F hasscheme	F utf8_to_utf16_le
F query	F utf8_to_utf8_t
F split	F values
F toquery	F xstring
F unescape	T utilities
F unescapeget	T debugger
T userdata	F disable
T utf	F enable
F byte	F savestats
F bytelpairs	F showstats
F char	F showtraceback
F characters	T formatters
F chrlen	F formatcolumns
F count	F list
F filetype	F stripzeros
F is_valid	T ghostscript
F len	F convert
F length	F statistics
F lower	T graphicmagick
F remapper	F convert
F replacer	F statistics
F split	T lua
F splitlines	B alwaysstripcode
F sub	F checkmemory
F substituter	F compile
F tocodes	F loadedluacode
F toeight	F loadstring
F toentities	F loadstripped

N	nofstrippedbytes	B	leftpage
N	nofstrippedchunks	B	page
F	registerfinalizer	B	paper
B	stripcode	B	rightpage
T	strippedchunks	B	text
F	strippedloadstring	F	iterator
T	suffixes	F	keq_to_hash
S	lmt	F	listitem
S	lua	F	make_settings_to_hash_pattern
S	luc	F	mergehashes
S	lui	F	options_to_array
S	luj	F	options_to_hash
S	luv	T	patterns
S	tma	U	settings_to_array
S	tmc	U	settings_to_hash_a
S	tua	U	settings_to_hash_b
S	tuc	U	settings_to_hash_c
T	packers	U	settings_to_hash_d
F	hashed	U	unittotex
F	new	F	process_stripped_settings
F	pack	F	rfc4180splitter
F	simplehashed	F	runtime
F	strip	F	settings_to_array
F	unpack	F	settings_to_array_obey_fences
N	version	F	settings_to_array_with_repeat
T	parsers	F	settings_to_hash
F	add_settings_to_array	F	settings_to_hash_colon_too
F	arguments_to_table	F	settings_to_hash_strict
F	array_to_string	F	settings_to_hash_tolerant
F	csvsplitter	F	settings_to_numbers
F	getparameters	F	settings_to_set
F	groupedsplitat	F	simple_hash_to_string
F	hash_to_string	F	splitmethod
T	hashes	F	splitthousands
T	settings_to_list	F	stepper
T	settings_to_set	F	stripped_settings_to_array
T	min,max,fit,broad,auto	F	totime
B	auto	F	unittotex
B	broad	F	unittoxml
B	fit	T	randomizer
B	max	F	get
B	min	F	getnumber
T	text,hidden,paper,page,leftpage,rightpage	F	getrepeatable
B	hidden	F	getrepeatableseed

F getseed	F serialclose
F newrepeatable	F serialfast
F popseed	F serialopen
F pushseed	S serialprefix
F repeatable	F serialsend
F reuseseed	F serialwrite
F setseed	N version
F setseedi	T stacker
T randomizers	F new
F poisson	T storage
T sequencers	F allocate
F appendaction	F checked
F appendgroup	F mark
F compile	F marked
F disableaction	F setinitializer
F disablegroup	F sparse
F enableaction	T streams
F enablegroup	F close
D functions	F getposition
F localize	F getsize
F new	F getstring
F nodeprocessor	F look
F prependaction	F open
F prependgroup	F openstring
F removeaction	F read2dot14
F replaceaction	F readbyte
F setkind	F readbytes
F tostring	F readbytetable
T setters	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
T signals	F readchar
S configuration	F readcline
F initialize	F readcstring
F loadstate	F readfixed2
F report	F readfixed4
F savestate	F readinteger

F readinteger1	F tabtospace
F readinteger1le	T tables
F readinteger2	F accesstable
F readinteger2le	F definedtable
F readinteger3	F definetable
F readinteger3le	F encapsulate
F readinteger4	F insertaftervalue
F readinteger4le	F insertbeforevalue
F readintegertable	F migratetable
F readsignedbyte	F removevalue
F readstring	F replacevalue
F setposition	T tar
F size	T archives
F skip	F closearchive
F skipbytes	T files
F skiplong	F fetch
F skipshort	F hash
F tocardinal1	F list
F tocardinal1le	F pack
F tocardinal2	F unpack
F tocardinal2le	F openarchive
F tocardinal3	T registeredfiles
F tocardinal3le	T streams
F tocardinal4	F fetch
F tocardinal4le	F hash
T strings	F list
F collapse	F pack
F collapsecrlf	F unpack
T formatters	T strings
F add	F fetch
F new	F hash
F newcollector	F list
F newrepeater	F pack
T striplinepatterns	F unpack
U collapse	T templates
U collapse all	F load
U prune	F replace
U prune and collapse	F replacer
U prune and no empty	F resolve
U prune and to space	T zipfiles
U retain	F close
U retain and collapse	F found
U retain and no empty	F hash
F striplines	F list

F open	F body
F unzip	T builtinentities
F unzipdir	B amp
F zipdir	B apos
T visualizers	B gt
D escapepatterns	B lt
F getspecification	B quot
F getvisualizer	F cdata
F load	F cdatatotext
F makenested	F checkbom
F makepattern	F checkedempty
F newgrammar	F checkerror
F newhandler	F checknamespace
F parsedxml	F checkns
F pattern	F cleansed
F register	F collect
F registerescapecommand	F collect_elements
F registerescapeline	F collect_tags
F registerescapepattern	F collect_texts
S signal	F collected
U signalpattern	F collecttexts
D specifications	F compactelement
F visualize	F content
F visualizebuffer	F convert
F visualizefile	F copy
F visualizestring	F count
F write	F cprint
F writeargument	T css
F writedefault	F applyselector
F writeemptyline	F colorspecification
F writelnewline	F dimension
F writespace	F family
F warn	F fontspecification
T xml	F mappedstylevalue
F addentitiesdoctype	F padding
F addspecialcode	F size
F after	F style
F all	F stylevalue
F applylpath	F todimension
F applyselector	F variant
F assign	F weight
F attribute	T defaulthandlers
F badinclusions	D file
F before	D parsedxml

D string	F all
D tex	F attribute
D texline	F chainattribute
D texspace	F chainpath
D verbose	F collapsed
S defaultprotocol	F command
F delete	F concat
F delete_element	F concatrange
F despecialized	F context
F each	F count
F each_element	F ctxttext
F elements	F default
F elementtodata	F depth
F empty	F first
D entities	F function
F erase	F index
F errorhandler	F last
F escaped	F lettered
F expand	F lower
T expressions	F lowerall
F attribute	F match
F boolean	F name
F child	F param
F contains	F parameter
F count	F position
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F find	F stripped
F hasclass	F tag
F idstring	F tags
F lower	F text
F name	F upper
F number	F upperall
F oneof	F url
F print	F xml
F quit	T xml
F tag	F all
F text	F att
F undefined	F attribute
F upper	F attributes
F fillin	F cdata
F filter	F chainattribute
T finalizers	F count
F paragraphs	F default
T tex	F elements

F empty	F insertafter
F first	F insertbefore
F function	F insertcdata
F index	F insertcomment
F last	F inspect
F lowerall	F is_valid
F match	F kind
F name	F last
F position	F lastmatch
F reverse	F load
F table	F lpath
F tag	F lpathcached
F tags	F lpathcalls
F text	F lshow
F texts	F makestandalone
F tomacro	F match
F upperall	T mml
F url	F stripped
F first	F verbose
F found	F name
T functions	F newhandlers
F classes	F nodesettoString
F hasclass	T obsolete
F getbuffer	F collect_elements
F gethandlers	F collect_texts
F gethandlersfunction	F delete_element
T helpers	F each_element
F recersettext	F inject_element
F include	F inject_element_after
F inclusion	F inject_element_before
F inclusions	F insert_element_after
F index	F insert_element_before
F inheritattributes	F process_attributes
F inheritedconvert	F process_elements
F inject	F remap_name
F inject_element	F remap_namespace
F inject_element_after	F remap_tag
F inject_element_before	F replace_element
F injectafter	F strip_whitespace
F injectbefore	F originalload
F insert	F package
F insert_element	F parent
F insert_element_after	U parsedentitylpeg
F insert_element_before	T pihandlers

F injector	F setproperty
F tex	F settings
T placeholders	D specialcodes
F unknown_any_entity	T specialhandler
F unknown_dec_entity	F sprint
F unknown_hex_entity	F string
F popmatch	F strip
F position	F strip whitespace
D privatecodes	F stripelement
F privatetoken	F stripleadingspaces
F process	F table
F process_attributes	F text
F process_elements	F textonly
F processattributes	F texttocdata
T profiled	F toCDATA
F pure	F toElement
F pushmatch	F toString
F raw	F toTable
F registerentity	F toXML
F registerns	F tPrint
F reindex	F traverse
F remap_name	F unescaped
F remap_namespace	U unescapedentitylpeg
F remap_tag	F unprivatized
F remapname	F unspecialized
F remapnamespace	F wipe
F remaptag	F withelement
F rename	F withelements
F renamespace	F wrap
U reparsedentitylpeg	T xmlns
F replace	F xpcall
F replace_element	T zip
F resetinjectors	T archives
F resolvens	F closearchive
F root	F openarchive
F save	T registeredfiles
F selection	F inspect
F separate	F ipairs
F serialize	F load
F serializetotext	D loaders
F setcdata	F loadfile
F setcomment	F loadstring
F sethandlersfunction	F next
F setinjectors	F optionalrequire

F pairs	F inspect
F pcall	F ipairs
F print	F load
F rawequal	D loaders
F rawget	F loadfile
F rawlen	F loadstring
F rawset	F next
F require	F optionalrequire
F select	F pairs
F setinspector	F pcall
F setmathparameters	F print
F setmetatable	F rawequal
D texconditionals	F rawget
D texconstants	F rawlen
D texifs	F rawset
D texisdefined	F require
D texmodes	F select
D texsystemmodes	F setinspector
F toboolean	F setmathparameters
F todecimal	F setmetatable
F tonumber	D texconditionals
F tostring	D texconstants
F type	D texifs
F unpack	D texisdefined
F warn	D texmodes
F xpcall	D texsystemmodes
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N CONTEXTLMTXMODE	F toboolean
N LUAFORMAT	F todecimal
N LUAMAJORVERSION	F tonumber
N LUAMINORVERSION	F tostring
S LUATEXENGINE	F type
N LUATEXFORMATID	F unpack
N LUATEXFUNCTIONALITY	F warn
S LUATEXVERBOSE	F xpcall
N LUATEXVERSION	graphics
N LUAVERSION	table
F SAVEDREQUIRE	F bpsize
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F dimen	F registerpdffont
F dofile	gzip
F error	table
F getmetatable	F compress
	F compressed
	F decompress
	F load

F save		F defined	
F suffix		F doifelsemessage	
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F getprofile		D formats	
F mathnested		F getmessage	
F mathprocess		F getnamespace	
F mathstep		F getsetupstring	
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F traverseglyphmethod		F knownscanner	
F traversehorizontal		F message	
F traversevertical		F nameofscanner	
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F check		F registerscanner	
F checksize		D scanners	
F copy		F setconstant	
F create		F setcount	
F embed		F setdimen	
F embedfromstore		F setelement	
F fetchdata		F setformat	
F print		F setmacro	
F resetdata		F setmessage	
F resetstore		F setmessages	
F scan		F settranslation	
F serialize		D setupstrings	
F storedata		F setvariable	
F totable		F showmessage	
F wrap		D storedscanners	
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D attachments		D usednamespaces	
D linkedlists		D variables	
D renderings		F writestatus	
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D cachedsetups		F ask	
F cachesetup		F bytes	
F checkedspecification		F characters	
D complete		F close	
D constants		F copydata	
D corenamespaces		F exists	
S currentinterface		S fileseparator	
S currentresponse		F flush	
F definecommand		F gobble	

F input		F hyphenate
F lines		F hyphenation
F loadchunk		F hyphenationmin
F loaddata		F id
F loadlines		F new
F newreader		F patterns
F noflines		F postexhyphenchar
F open		F posthyphenchar
F output		F preexhyphenchar
S pathseparator		F prehyphenchar
F popen		F sethjcode
F read		F setwordhandler
F readall		
F readnumber		
F readstring		
F savedata		
F size		
U stderr		
U stdin		
U stdout		
F tmpfile		
F type		
F write		
ipairs	function	
job	table	
F comment		
F disablesave		
F getrandomseed		
F initialize		
F load		
F loadother		
B pack		
N packversion		
F register		
F save		
N version		
kpse	table	
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F clean		D numbers
F clearhyphenation		F pdflanguage
F clearpatterns		F postexhyphenchar
F current		F posthyphenchar
F gethjcode		F preexhyphenchar
F has_language		F prehyphenchar
		D registered
		F serializeddiscretionary

F	setexceptions	D	extratex
F	setgoodieshandler	D	functions
F	setoptions	D	globals
F	setpatterns	D	obsolete
F	setsynonym	D	optional
F	setwordhandler	lmx	table
F	showdiscretionaries	F	color
F	strippedgoodiewords	F	convert
F	tolang	F	convertfile
F	unload	F	convertstring
N	version	F	einject
F	visualizediscretionaries	F	eprint
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F	getcanvas	F	finalized
F	getpagedimensions	F	finject
F	setupcanvas	F	fprint
lfs	table	F	get
F	attributes	F	getvariables
F	chdir	F	htmfile
F	currentdir	F	include
F	dir	F	initialize
F	isdir	F	inject
F	.isfile	F	lmxfile
F	isfound	F	loadedfile
F	isreadabledir	F	make
F	isreadablefile	F	new
F	iswriteabledir	F	popupfile
F	iswriteablefile	F	print
F	link	F	pv
F	mkdir	F	report
F	mkdirs	F	reset
F	modification	F	result
F	readlink	F	set
F	rmdir	F	show
F	setexecutable	F	stripcss
F	symlink	F	tv
F	symlinktarget	F	type
F	touch	F	urlescape
F	walkdir	F	variable
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D	basiclua	loaders	data table
D	basictex	loadfile	function
D	builtin	loadstring	function
D	extralua	logs	table

F application	F adddocumenttextgstate
F categories	F adddocumentpattern
F direct	F adddocumentshade
F disable	F addtocatalog
F enable	F addtoinfo
F finalactions	F addtonames
F flush	F addtopageattributes
F loggingerrors	F addtopageresources
F messenger	F addtopagesattributes
F new	F addxmpinfo
F newline	F annotationspecification
F poplogfile	F array
F poptarget	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 starterrorlogging	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 texerrormessage	F copystring
F writer	F copyunicode
lpdf	table
F action	F deferredobject
F adddocumentcolorspace	F delayedobject
	F destinationspecification

F dictionary	F literal
F docstring	F majorversion
F escaped	F makenametree
F finalizedocument	F minorversion
F finalizepage	F noffontregistries
F finalizesignature	F nofpages
F finishtransparencycode	F null
F flushfonts	F number
F flushgroup	F object
F flushobject	F objectcompresslevel
F flushstreamfileobject	F pagerefERENCE
F flushstreamobject	F patternstream
D formats	F pdfcolor
F frombytes	F pdftimestamp
F fromeight	F preparesignature
F frompdfdoc	F print
F fromsixteen	F procset
F getcatalog	B protectresources
F getcompression	F quads
F getfontname	F rectangle
F getfontobjectnumber	F reference
F getformatoption	F registerannotation
F getinfo	F registerdestination
F getmatrix	F registeredocumentfinalizer
F getnofpages	F registerfontmethod
F getpageproperties	F registerinitializer
F getpagerefERENCE	F registerpagefinalizer
F getpagetags	F registerpattern
F getpos	F registersignature
F gettaggingstatus	F replaceXMPinfo
F gettrailerid	F reserveobject
F getversion	F rgbcODE
F getxformname	F rotationcm
F graycode	F setcompression
F hasmatrix	F setencryption
F immediateobject	F setpageorder
F includeimage	F setpagestate
F initialize	F setpagetag
F injectXMPinfo	F setutfstringmode
F insertXMPinfo	F setversion
F lastREFERREDpage	F sharedobject
F layerreference	F shareobject
F limited	F shareobjectREFERENCE
F linearshade	F splitsixteen

F spotcode	F firstofssplit
F stream	F frontstripper
F string	F instringchecker
F supportedformats	F is_lpeg
F tocidset	F keeper
F toeight	F locale
F topdfdoc	F match
F topermissions	F oneof
F tosixteen	D patterns
F transparency	F pcode
F transparencycode	F print
F transparencyvalue	F ptree
F unicode	F replacer
D usedfontstreams	F secondofssplit
F verbose	F setmaxstack

lpeg **table**

F B	F setutfcasers
F C	F split
F Carg	F splitat
F Cb	F splitter
F Cc	F stripper
F Cf	F times
F Cg	F tsplitat
F Cmt	F tsplitter
F Cp	F type
F Cs	F utfR
F Ct	F utfchartabletopattern
F P	F utfreplacer
F R	S version

lua **table**

F addnibble	F addnibble
F UP	D bytedata
F UR	F callbytecode
F US	F comparekeys
F V	F finalizeinitex
F afterprefix	N firstbytecode
F anywhere	F get_functions_table
F append	F getallkeys
F balancer	F getbytecode
F beforesuffix	F getcheckedkeys
F checkedsplit	F getcurrenttime
F containsws	F getdebuginfo
F counter	F getexitcode
F endstripper	F getfunctionstable
F finder	F getnibble

F getnumerickeys	lxml	table
F getpreciseseconds	F addindex	
F getpreciseticks	F all	
F getruntime	F applyfunction	
F getstacktop	F applyselectors	
F getstartupfile	F att	
F getstringkeys	F attribute	
F getversion	F badinclusions	
N lastbytecode	F chainattribute	
D messages	F checkindex	
F newindex	F collected	
F newtable	F command	
D numbers	F concat	
F protectglobal	F concatrange	
F registercode	F content	
F registeredcodes	F context	
F registerglobal	F convert	
F registerinitexfinalizer	F count	
F registername	F delete	
F setbytecode	F depth	
F setexitcode	F direct	
F setnibble	F displayverbatim	
S startupfile	F doif	
F subnibble	F doifelse	
S version	F doifelseempty	
luac	table	
F inspect	F doifelseempty	
F print	F doifnot	
luatex	table	
F abort	F doifnotempty	
F cleanup	F doifnottext	
F cleanuptempfiles	F doiftext	
F currentfile	F element	
F currentlevel	F elements	
F currenttotal	D entities	
F poprunstate	F fileline	
F pushrunstate	F filename	
F registerdumpactions	F filter	
F registerpageactions	F filterlist	
F registerstartactions	F first	
F registerstopactions	F flush	
F registertempfile	F flushnewlinewise	
N starttime	F flushsetups	
F wrapup	F flushspacewise	
	F get_id	

F getid	F root
F getindex	F save
F id	F serialize
U idsplitter	F setaction
F ifatt	F setatt
F ifatempty	F setattribute
F include	F setcdata
F inclusion	F setcommandtonone
F inclusions	F setcommandtotext
F index	F setpar
F inlineverbatim	F setparam
F installsetup	F setparameter
F last	F setup
F lastatt	F snippet
F lastmatch	F splitid
F lastpar	F starraw
F load	F startunesaped
F loadbuffer	F stopraw
F loaddata	F stopunesaped
F main	F store
F match	F strip
F name	F stripped
F namespace	F tag
F nonspace	F texatt
F par	F text
F param	F tobuffer
F parameter	F tofile
F path	F toparameters
F popmatch	F toverbatim
F pos	F verbatim
F position	F withindex
F pure	D xmltexhandler
F pushmatch	math
F raw	F abs
F rawroot	F acos
F rawtex	F asin
F refatt	F atan
F register	F atan2
F registerentity	F ceil
F removesetup	F ceiling
F replace	F cos
F resetcdata	F cosd
F resetsetup	F cosh
F resolvedentity	F deg

math **table**

F abs
F acos
F asin
F atan
F atan2
F ceil
F ceiling
F cos
F cosd
F cosh
F deg

F	div	F	checkaftercopyingfont
F	even	D	classes
F	exp	D	classnames
F	floor	D	codes
F	fmod	F	define
F	frexp	F	dimensions
N	huge	F	disablecollecting
N	initialseed	F	enablecollecting
F	ldexp	F	extensiblecode
F	log	D	extensibles
F	log10	N	extrabase
F	max	F	fallbackstyleattr
N	maxinteger	F	familyname
F	min	F	functiontype
N	mininteger	D	gaps
F	mod	F	getblobindex
F	modf	F	getboth
F	odd	F	getdomainname
N	pi	F	getextensibledata
F	pow	F	getmathblob
F	rad	F	getoptionallabel
F	random	F	getstyle
F	randomseed	F	gettextblob
F	round	F	getverboselabel
F	setrandomseedi	F	horizontalcode
F	sin	F	initializeparameters
F	sind	F	makefont
F	sinh	D	mapremap
F	sqrt	F	markblobindexdone
F	tan	F	overloadparameters
F	tand	F	preset
F	tanh	N	privatebase
F	tointeger	F	registerextensible
F	type	F	registersimplematrix
F	ult	F	registerverboselabel
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F	addfallbacks	F	remapalphabets
F	addvariant	F	renderextensible
D	alphabets	F	renderset
D	alternatives	F	resetattributes
F	beforepassingfonttotex	F	scaleparameters
F	big	F	setextensibledata
D	boldmap	F	setmathsymbol
D	charactersets	D	sets
		F	setsnapping

F	setvariant	F	format_string
D	styles	F	formatnumber
F	syncboth	F	getbackendoption
F	syncname	F	getbendltolerance
F	syncstyle	F	getbuffer
F	toengineclass	F	getclippath
F	toname	F	getextensions
F	tostyle	F	getextradata
F	tweakaftercopyingfont	F	gethashentries
F	tweakbeforecopyingfont	F	getinstancebyname
F	utfmathaccent	F	getinstanceinfo
F	utfmathclass	F	getinstancenames
F	utfmathcommand	F	getjobdata
F	utfmathfiller	F	getmovetolerance
F	utfmathstretch	F	getparameter
F	variantcode	F	getparameterpreset
F	variantcount	F	getparameterset
F	virtualize	F	getrecord
D	virtualized	F	getstatistics
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F	HEX	F	gettext
F	dec	F	gettolerance
F	hex	F	graphic
F	sum	F	graphic_base_pass
F	sumHEXA	F	hascurvature
F	sumhexa	F	includesvgbuffer
		F	includesvgfile
metapost		table	
F	checkformat	F	installplugin
F	checktracingonline	F	isobject
F	cm	S	lastlog
F	colorinitializer	F	load
F	convert	F	maketext
F	currentmpx	F	mesh
F	currentmpxstatus	N	n
S	defaultformat	F	newlogger
S	defaultinstance	N	nofruns
S	defaultmethod	F	nofscriptruns
F	directrun	F	nvformat
F	escaped	F	pdf literals
D	extensiondata	F	pluginactions
F	filterclippath	F	popformat
F	flush	F	popscriptrunner
F	flushnormalpath	F	popvariable
F	format_number	F	popvariables
		F	preparetexttextsdata

F process	F stopsvghashing
F processing	F svformat
F processplugins	B svgcachefile
F pushformat	F svgcolorremapper
F pushscriptrunner	F svgglyptomp
F pushvariable	F svgshapestomp
F pushvariables	F svgshapestopdf
B quitonerror	F svgsplitcolor
B reducetogray	F svgtomp
F registerdirect	F svgtopdf
F registerscript	F sxsy
F registertokens	B texerrors
F remappedtext	F texexp
F remaptext	F theclippath
F reporterror	F tographic
F reportsvgfonts	F totable
F reset	F typesvgpage
F resetbackendoptions	F unload
F resetlastlog	F untagvariable
F resetplugins	mime table
F run	F b64
F runinternal	F decode
F runscript	F dot
F scanparameters	F encode
F scriptindex	F eol
F setbendtolerance	F normalize
F setbuffer	F qp
F setextensions	F qpwrp
F setlogging	F report
F setmovetolerance	F stuff
F setoutercolor	F unb64
F setparameter	F unqp
F setparameterset	F wrap
F setrecord	F wrp
F settext	moduledata table
F settolerance	modules table
F setvariable	D anch-loc
B showlog	D anch-pgr
F showsvgpage	D anch-snc
F simple	D back-exp
F splitprescript	D back-exp-imp-fnt
F startgraphic	D back-exp-imp-mth
F startsvghashing	D back-exp-imp-ref
F stopgraphic	D back-exp-imp-tag

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-chk	D font-ota
D font-cid	D font-otc
D font-col	D font-otd
D font-con	D font-oth
D font-ctx	D font-oti
D font-def	D font-otj
D font-dsp	D font-otl
D font-enc	D font-oto

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-graphicmagick
D font-san	D libs-init
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-init
D good-gen	D lpdf-lmt
D good-init	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-init
D grph-u3d	D lxml-mms
D java-init	D lxml-sor
D lang-cnt	D lxml-tex
D lang-def	D math-act
D lang-dis	D math-ali
D lang-exc	D math-dim
D lang-hup	D math-ext
D lang-hyp	D math-fbk
D lang-init	D math-fnt
D lang-lab	D math-frc
D lang-rep	D math-init
D lang-tra	D math-map

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-init
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-init
D mlib-pos	D scrn-but
D mlib-pps	D scrn-fld
D mlib-ptr	D scrn-hlp
D mlib-ran	D scrn-init
D mlib-run	D scrn-pag
D mlib-scn	D scrn-ref
D mlib-snc	D scrn-wid
D mlib-svg	D scrp-cjk
D node-ali	D scrp-eth
D node-bck	D scrp-init
D node-fnt	D scrp-tha
D node-par	D scrp-tib
D node-ref	D sort-init
D node-rul	D sort-lan

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-init	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-init	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 tabl-xtb	D unic-init
D task-init	mp function
D trac-bld	F autoinject
D trac-jus	F boolean
D trac-par	F bytemap_load_from_file
D trac-riv	F cleaned
D trac-sig	F color
D trac-vis	F dataset

F direct	F lmt_contours_yrange
F downgradebytemap	F lmt_function_x
F downsamplebytemap	F lmt_glyphshape_accent
F draw	F lmt_glyphshape_baseline
F expandtex	F lmt_glyphshape_boundingbox
F fill	F lmt_glyphshape_depth
F fillbytemap	F lmt_glyphshape_height
F flatten	F lmt_glyphshape_italic
F flush	F lmt_glyphshape_llx
F format	F lmt_glyphshape_n
F formatted	F lmt_glyphshape_path
F fprintf	F lmt_glyphshape_start
F getbytemap	F lmt_glyphshape_stop
F getbytemapdata	F lmt_glyphshape_usedbox
F getlastaddtype	F lmt_glyphshape_usedline
F graphformat	F lmt_glyphshape_width
F integer	F lmt_mesh_set
F lmt_contours_bitmap_get	F lmt_mesh_update
F lmt_contours_bitmap_set	F lmt_poisson_generate
F lmt_contours_cleanup	F lmt_start_potrace
F lmt_contours_color	F lmt_step_potrace
F lmt_contours_edge_get_band	F lmt_stop_potrace
F lmt_contours_edge_get_cell	F lmt_surface_do
F lmt_contours_edge_paths	F lmt_svg_include
F lmt_contours_edge_set	F loadbytemap
F lmt_contours_edge_set_by_band	F loadbytemapfile
F lmt_contours_edge_set_by_cell	F mesh_register
F lmt_contours_format	F mf_blob_add
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_novalues	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 mf_map_move	F getcallbackstate
F mf_map_text	F getcodes
F mf_named_color	F getcolormodels
F mf_outline_text	F getfields
F mf_save_data	F gethashentries
F mf_script_index	F gethashentry
F mf_start_saving_data	F getinternalactions
F mf_stop_saving_data	F getknotstates
F mode	F getlastaddtype
F n	F getlogtargets
F newbytemap	F getobjectdata
F number	F getobjectpeninfo
F numeric	F getobjectstacking
F pair	F getobjecttypes
F pairpoints	F getpruneoptions
F path	F getresultstatus
F pathpoints	F getscaledbits
F points	F getscantypes
F processbytemap	F getstates
F processingmode	F getstatistics
F quadruple	F getstatus
F quadruplerepoints	F gettolerance
F quoted	F gettype
F report	F gettypes
F setbytemap	F injectboolean
F setbytemapoctave	F injectcmykcolor
F size	F injectcolor
F solve	F injectinteger
F string	F injectnumber
F systemmode	F injectnumeric
F transform	F injectpair
F triplet	F injectpath
F tripletpoints	F injectstring
F vprint	F injecttransform
mplib	table
F downgradebytemap	F injectvector
F downsamplebytemap	F injectvectors
F execute	F injectwhatever
F expandtex	F new
F fillbytemap	F newbytemap
F finder	F peninfo
F finish	F processbytemap
F getbytemap	B realtimelogging
F getbytemapdata	F scanboolean
	F scanckmykcolor

F	scancolor	F	flushnode
F	scanexpression	F	free
F	scaninteger	F	getattribute
F	scannext	F	getcachestate
F	scannumber	F	getfield
F	scannumeric	F	getfielderror
F	scanpair	F	getglue
F	scanpath	F	getnodeerrorvalues
F	scanpen	F	getpropertiestable
F	scanproperty	F	getproperty
F	scanstring	F	gluetostring
F	scansymbol	F	hasattribute
F	scantoken	F	hasfield
F	scantransform	F	hasglyph
F	setbytemap	F	hpack
F	setbytemapoctave	F	hyphenating
F	settolerance	F	id
F	showcontext	F	insertafter
F	skiptoken	F	insertbefore
F	solvepath	F	instock
F	version	F	intracking
nanojpeg	table	F	inuse
F	decode	F	isnode
next	function	F	iszeroglue
noads	table	F	kerning
F	getmathmode	F	lastnode
F	process	F	length
F	processnested	F	ligaturing
F	processouter	F	makeextensible
node	table	F	mlisttohlist
F	checkdiscretionaries	F	new
F	checkdiscretionary	F	protectglyph
F	copy	F	protectglyphs
F	copylist	F	protrusionskippable
F	count	F	rangedimensions
F	currentattributes	F	remove
F	dimensions	F	serialized
F	effectiveglue	F	setattribute
F	endofmath	F	setfield
F	family_font	F	setfielderror
F	fields	F	setglue
F	findattribute	F	setProperty
F	flattenddiscretionaries	F	show
F	flushlist	F	size

F slide
F subtypes
F tail
F todirect
F tonode
F tostring
F traverse
F traverseid
F type
F types
F unprotectglyph
F unprotectglyphs
F unsetattribute
F usedlist
F usesfont
F vpack
F write

nodes **table**

D accentcodes
F aligned
F append
F apply
F applyvisuals
F astable
F basepoints
D boundarycodes
D choicecodes
F concat
F copy
F copy_node
F copylist
F countall
F currentattributes
F delete
D dircodes
D directioncodes
D directionvalues
D dirvalues
D disccodes
D discretionarycodes
D fencecodes
F fields
D fillcodes
D fillvalues

F firstdirinbox
F flush
F flushlist
F flushnode
D fractioncodes
F fullhpack
F getattr
F getattribute
F getboth
F getbox
F getchar
F getfield
F getfont
F getid
F getleader
F getlist
F getnext
F getprev
F getproperty
F getsubtype
D gluecodes
D glyphcodes
F hasattribute
F hasfield
F hpack
F idsandsubtypes
F idstosstring
F insertafter
F insertbefore
F insertlistafter
F installattributehandler
F is_display_math
F isdirect
F isnode
F isnut
D kerncodes
F leftmarginwidth
F link
F linked
F list
D listcodes
F listtoutf
D literalvalues
F locate

D markcodes	D skipcodes
D mathcodes	F somepenalty
D mathvalues	F somespace
F maxboxwidth	F splitbox
F new	F startofpar
D noadcodes	F stripdiscretionaries
D nodecodes	D subtypes
F nopts	F tail
F packlist	F takeattr
D parcodes	F takebox
D penaltycodes	F tobasepoints
F points	F tocentimeters
F prepend	F tociceros
F print	F todidots
F pts	F todimen
D radicalcodes	F toinches
F rehpack	F tomillimeters
F remove	F tonode
F repackhlist	F tonodes
F replace	F tonut
F report	F topicas
F rightmarginwidth	F topoints
D rulecodes	F toscaledpoints
F serialize	F tosequence
F serializebox	F tostring
F serialized	F totable
F setattr	F totree
F setattribute	F toutf
F setattrlist	F traverse
F setboth	F traverseid
F setbox	F unsetattribute
F setboxtonaturalwd	F upcomingproperties
F setchar	F usedlist
F setfield	F vianodes
F setfont	F vianuts
F setleader	F visualizebox
F setlink	F vpack
F setlist	D whatsitcodes
F setnext	F write
F setprev	number table
F setproperty	F %
F showboxes	F basepoints
F showlist	F bytetodecimal
F showsimplelist	F compactfloat

F decimaltobyte	optional	table
D dimenfactors	optionalrequire	function
F formatted	os	table
F formattedfloat	F __getenv__	
F fractiontobyte	F __setenv__	
F idiv	S binsuffix	
N maxdimen	N bits	
F nopts	F clock	
F nbasepoints	F converttime	
F nupoints	F date	
F percent	F difftime	
F points	F enableansi	
F pts	D env	
F signed	F execute	
F sparseexponent	F exit	
F splitdimen	F fulltime	
F to16dot16	F getcodepage	
F tobasepoints	F getenv	
F tobitstring	F getnamevalues	
F tocentimeters	F gettimeofday	
F tociceros	F gettypevalues	
F tocontext	F getunamefields	
F todidots	F isleapyear	
F todimen	F launch	
F toediths	S libsuffix	
F toevenhex	F localtime	
F toinches	S name	
F tomillimeters	S newline	
F tonumberf	F nofdays	
F tonumberg	F now	
F topicas	F pipeto	
F topoints	S platform	
F toscaled	F remove	
F toscaledpoints	F rename	
F totoves	F resultof	
F valid	F runtime	
objects		table
F dimensions	S selfbin	
F found	S selfcore	
N n	S selfdir	
F page	S selflink	
F reference	S selfname	
F register	S selfpath	
F restore	F serialwrite	
	F setenv	

F	setexitcode	F	getboolean		
F	setlocale	F	getbox		
F	sleep	F	getcatalog		
F	startuptime	F	getdictionary		
F	time	F	getencodingvalues		
F	timezone	F	getfieldtypes		
F	tmpname	F	getfromarray		
F	today	F	getfromdictionary		
S	type	F	getfromobject		
F	uname	F	getfromreference		
F	uuid	F	getfromstream		
F	validdate	F	getinfo		
F	weekday	F	getinteger		
F	where	F	getmemoryusage		
F	which	F	getname		
package		table	F	getnofobjects	
S	config		F	getnofpages	
S	cpath		F	getnumber	
F	extralibpath		F	getobjectrange	
F	extralibpaths		F	getpage	
F	extraluapath		F	getpages	
F	extraluapaths		F	getpermissions	
F	libpaths		F	getsize	
F	loadlib		F	getstatus	
F	luapaths		F	getstatusvalues	
S	path		F	getstream	
F	popplibpath		F	getstring	
F	popluapath		F	gettrailer	
F	pushlibpath		F	getversion	
F	pushluapath		F	new	
F	searchpath		F	open	
pagebuilders		table	F	openfile	
pairs		function	F	openstream	
parametersets		table	F	pagestotable	
pcall		function	F	readfromstream	
pdf		table	F	readwholestream	
F	immediateobj		F	type	
pdfdecode		table	F	unencrypt	
pdfe		table	physics		table
F	arraytotable		F	applyfilter	
F	close		F	expand	
F	closestream		F	interlace	
F	dictionarytotable		F	makemask	
F	getarray				

F reduce		F log1p
F splitmask		F log2
F tocmky		F logb
F tomask		F max
posit	table	F min
F NaN		F modf
F NaR		F new
F __add		F pow
F __band		F rotate
F __bor		F round
F __bxor		F rounded
F __div		F shift
F __eq		F sin
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		potrace table
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		print
F fromposit		publications
F integer		F addtexentry
F log		F analyze
F log10		F anywhere

D authorcache	F usedentries	
D authorcollapsers	qrcodegen	table
D authormap	F bitmap	
F authortoregister	F generate	
F checkeddataset	rawequal	function
D collected	rawget	function
F concatstate	rawlen	function
F converttoxml	rawset	function
F endnotes_to_btx	regimes	table
F finder	D backmapping	
F firstofrange	F cleanup	
F found	F disable	
F get	F enable	
F getcasted	F fromregime	
F getdetail	F list	
F getdirect	D mapping	
F getfaster	F pop	
F getfield	F process	
F getfuzzy	F push	
F getindex	F toregime	
D inspectors	F translate	
F lastofrange	require	function
F load	resolvers	table
F loadbibdata	F allprefixes	
F loaddefinitionfile	F appendhash	
F loadreplacementfile	F automount	
F new	F booleanvariable	
F okay	S cacheversion	
F oneorrange	F checkedvariable	
F parenttag	F cleanedpathlist	
F permitted	D cleaners	
F prerollcmdstring	F cleanpath	
F refman_to_btx	F cleanpathlist	
F resolvedname	F cleanupbinfile	
F save	D concatenators	
F search	S configbanner	
F setcategory	F configurationfiles	
F setspecification	D dangerous	
F singularorplural	F datastate	
F sortedentries	F dirstatus	
F splitauthor	F dowithfilesandreport	
F splitoneauthor	F dowithfilesintree	
F tags	F dowithpath	
F usedataset	F dowithvariable	

F expandbraces	F joinpath
F expandedpathfromlist	F knownvariables
F expandedpathlist	F load
F expandedpathlistfromvariable	F loadbinfile
F expandpath	D loaders
F expandpathfromvariable	F loadlualib
F expansion	F loadtexfile
F extendtexmfvariable	F loadtime
F filtered_from_content	F locateformat
F find_file	D locators
F find_files	S luacnffallback
F findbinfile	S luacnfname
F findctxfile	S luacnfspec
D finders	S luacnfstate
F findfile	N maxreadlevel
F findfiles	F methodhandler
F findgivenfile	F missinglibrary
F findgivenfiles	F openbinfile
F findlib	D openers
F findpath	F openfile
F findpk	F opentexfile
F findtexfile	S ownpath
F findwildcardfile	F popextrapath
F findwildcardfiles	F popinputname
F formatofsuffix	F poppath
F formatofvariable	D prefixes
D formats	F prependhash
F foundintree	F pushestrapath
F foundintrees	F pushinputname
D generators	F pushpath
F get_from_content	F registerextrapath
F getenv	F registerfile
F getextrapaths	F registerfilehash
F getfilehashes	F registerintrees
F gethashes	F registermethod
F getownpath	F registerzipfile
F getreadfilename	D relations
D hashers	F renew
S homedir	F renewcache
F ignorelibrary	F repath
F initialized	F reset
F installinputfilehandler	F resetextrapaths
F installinputlinehandler	F resetresolve
F jobpath	F resolve

D savers	F logcalls
F scandata	F logfiles
F scanfiles	F original
F setdynamic	F overload
F setenv	F possiblepath
F showpath	F redefine
F simplescanfiles	F register
F splitconfigurationpath	F registerbinary
F splitexpansions	F registerlibrary
F splitmethod	F registerroot
F splitpath	F registerrunner
F stackpath	F report
F starttiming	F setfilenamelogger
F stoptiming	F setlogger
D suffixes	F setreporter
D suffixmap	F settrace
F suffixofformat	F validfilename
F texdatablob	scripts table
F toppath	D colors
D tracers	F decomposehangul
F unexpandedpath	F getdata
F unexpandedpathlist	F getinjector
F unresolve	F getsplitter
F updaterelations	F getstatus
F updatescript	D handlers
F uselibrary	D helpers
D usertypes	D injectors
F usezipfile	F installdataset
F validatedpath	F installmethod
F variable	D numbertodataset
F variableofformat	D numbertohandler
F variableofformatsuffix	F reset
F wildcardpattern	F set
sandbox table	F setstatus
F blockrequire	D splitters
F disablelibraries	select function
F disablerunners	serial table
F enable	F __gc
F filehandlerone	S __name
F filehandlertwo	F __tostring
F finalizer	F close
F getrunner	F open
F initializer	F send
F iohandler	F tostring

F write		
set	table	
F contains		F readfixed2
F create		F readfixed4
F tolist		F readinteger1
F tonumber		F readinteger1le
F totable		F readinteger2
setinspector	function	F readinteger2le
setmathparameters	function	F readinteger3
setmetatable	function	F readinteger3le
sha2	table	F readinteger4
F HASH256		F readinteger4le
F HASH384		F readintegertable
F HASH512		F tocardinal1
F HEX256		F tocardinal1le
F HEX384		F tocardinal2
F HEX512		F tocardinal2le
F digest256		F tocardinal3
F digest384		F tocardinal3le
F digest512		F tocardinal4
F hash256		F tocardinal4le
F hash384		socket table
F hash512		N BLOCKSIZE
F hex256		N _SETSIZE
F hex384		N _SOCKETINVALID
F hex512		F bind
F sum256		F choose
F sum384		F connect
F sum512		F connect4
sio	table	F connect6
F read2dot14		F gettime
F readbytes		F newtry
F readbytetable		F protect
F readcardinal1		F report
F readcardinal1le		F select
F readcardinal2		F sink
F readcardinal2le		F skip
F readcardinal3		F sleep
F readcardinal3le		F source
F readcardinal4		F tcp
F readcardinal4le		F tcp4
F readcardinaltable		F tcp6
F readcline		F try
F readcstring		sorters table
		F basicsorter
		D definitions

F	firstofsplitsplit		status		table
F	packch		F	getbalancestate	
F	packuc		F	getbufferstate	
F	replacementlist		F	getcallbackstate	
F	setlanguage		F	getconstants	
F	sort		F	geterrorlinestate	
F	strip		F	geterrorstate	
D	tracers		F	getexpandstate	
F	update		F	getfilestate	
sparse		table	F	getfontstate	
F	concat		F	gethalferrorlinestate	
F	get		F	gethashstate	
F	max		F	gethyphenationstate	
F	min		F	getinputstate	
F	new		F	getinsertstate	
F	range		F	getlanguagestate	
F	restore		F	getlinebreakstate	
F	set		F	getlookupstate	
F	traverse		F	getluastate	
F	wipe		F	getmarkstate	
statistics		table	F	getmvlstate	
F	benchmarktimer		F	getneststate	
F	checkfmtstatus		F	getnodestate	
F	currenttime		F	getparameterstate	
F	elapsed		F	getpoolstate	
F	elapsedindeed		F	getreadstate	
F	elapsedseconds		F	getsavestate	
F	elapsedetime		F	getsparsestate	
B	enable		F	getstringstate	
F	formatruntime		F	gettextstate	
F	hastiming		F	gettokenstate	
F	memused		F	getwarningstate	
F	register		F	list	
F	resettiming		F	resetmessages	
F	runtime		storage		table
F	savefmtstatus		F	allocate	
F	show		F	mark	
F	showmemory		F	marked	
F	showusage		N	max	
F	starttiming		N	min	
F	stoptiming		N	nofmodules	
N	threshold		N	noftables	
F	timed		F	register	
F	tracefunction		D	shared	

D	storedfunctions	F	is_boolean
B	strip	F	is_empty
N	tofmodules	F	itself
N	toftables	F	len
streams	table	F	limit
F	collect	F	linetable
F	disable	F	longtostring
F	enable	F	lower
F	flush	F	match
F	initialize	F	nospaces
F	push	F	octtointeger
F	start	F	optionalquoted
F	stop	F	pack
F	synchronize	F	packrowscolumns
string	table	F	packsize
F	autodouble	F	quote
F	autosingle	F	quoted
F	booleanstring	F	rep
F	byte	F	replacenewlines
F	bytelpairs	F	reverse
F	bytes	F	split
F	bytetable	F	splitintolines
F	char	F	splitlines
F	characterpairs	F	splitup
F	characters	F	strip
F	checkedsplit	F	sub
F	chrtointeger	F	texhashed
F	collapsespaces	F	texnewlines
F	containsws	F	tformat
F	count	F	toHEX
F	dectointeger	F	tobool
F	dump	F	tobytes
F	escapedpattern	F	tocontext
F	escapedquotes	F	todec
F	f6	F	todimen
F	find	F	tohex
F	format	F	tonodes
F	formatter	F	topattern
D	formatters	F	totable
F	fullstrip	F	tounicode16
F	gmatch	F	toutf
F	gsub	F	toutf16
F	hextocharacters	F	toutf32
F	hextointeger	F	toutf8

F tracedchar	F merged
F unescapedquotes	F insert
F unpack	F is_empty
F unquote	F is_simple_table
F unquoted	F keys
F upper	F load
F utf16toutf8	F loweredkeys
F utfcharacter	F makeweak
F utfcharacters	F merge
F utfcharactertable	F merged
F utflength	F mirrored
F utfpadd	F move
F utfpadding	F pack
F utftabletostring	F prepend
F utfvalue	F print
F utfvalues	F remove
F utfvaluetable	F reverse
F valid	F reversed
F wordsplitter	F save
structures	table
F atlocation	F sequenced
F currentsectionnumber	F serialize
table	table
F append	F setmetatablecall
F are_equal	F setmetatableindex
F combine	F setmetatableindices
F compact	F setmetatableindex
F concat	F sort
F contains	F sorted
F copy	F sortedhash
F count	F sortedhashkeys
F create	F sortedhashonly
F derive	F sortedindexonly
F deserialize	F sortedkeys
F fastcopy	F sortedpairs
F fastserialize	F sparse
F filtered	F strip
F flattened	F sub
F fromhash	F swapped
F getn	F tocontext
F has_one_entry	F tocsv
F hashed	F tofile
F identical	F tohandle
F imerge	F tohash
	F toxml
	F unique

F unpack	D frozenparcodes
tex	table
F attributetracking	F get
D automigrationcodes	F getadjustoptionvalues
D autoparagraphcodes	F getalignmentcontextvalues
F badness	F getamcode
D badnessmodecodes	F getappendadjustcontextvalues
F balance	F getappendmigratecontextvalues
D balancecallbackcodes	F getattribute
D boxoptioncodes	F getautomigrationvalues
D breakcodes	F getautoparagraphvalues
D buildcodes	F getbadnessmodevalues
D charactercontrolcodes	F getbalancecallbackvalues
D charaktertagcodes	F getbalanceparameterfields
F chardef	F getbalanceresultfields
F checkdelayedglue	F getbalancesetoptionvalues
D classoptioncodes	F getbox
D conditionals	F getboxdir
D constants	F getboxoptionvalues
F cprint	F getboxresourcebox
N ctdcatcodes	F getboxresourcedimensions
N ctxcatcodes	F getbreakcontextvalues
F definefont	F getbuildcontextvalues
F dimensiondef	F getcardinalvalue
D directioncodes	F getcatcode
D directives	F getccccode
D discriptioncodes	F getcharactercontrolvalues
D discpartcodes	F getcharaktertagvalues
F dontcomplain	F getcount
D doublescriptoptioncodes	F getcurrentmvl
F enableprimitives	F getdelayedgluelocationvalues
F error	F getdelayedgluetargetvalues
F expandasvalue	F getdelcode
D experiments	F getdelcodes
F extraprimitives	F getdimen
F fatalerror	F getdimensionvalue
D fillcodes	F getdirectionvalues
D flagcodes	F getdiscpartvalues
F fontidentifier	F getdoublescriptoptionvalues
F fontname	F getemptyparagraphmodevalues
F forcehmode	F geterrorrecoverymodevalues
F forceinputstatefile	F geterrorvalues
F forceinputstateline	F getfillvalues
F fprintf	F getflagvalues

F getfloat	F getlinedir
F getfontdimension	F getlist
F getfontoffamily	F getlistanchorvalues
F getfrozenparvalues	F getlistfields
F getglue	F getlistgeometryvalues
F getglueoptionvalues	F getlistsignvalues
F getglyphdata	F getlocalbox
F getglyphdiscvalues	F getlocalboxlocations
F getglyphoptionvalues	F getlocallevel
F getglyphprotectionvalues	F getmark
F getglyphscales	F getmarknames
F getglyphscript	F getmath
F getglyphstate	F getmathclassoptionvalues
F getgroupvalues	F getmathcode
F gethccode	F getmathcodes
F gethelptext	F getmathcontrolvalues
F gethmcode	F getmathdir
F gethyphenationvalues	F getmathgluevalues
F getiftypes	F getmathoptionvalues
F getinputstatefile	F getmathparametervalues
F getinputstateline	F getmathscriptordervalues
F getinputstatemode	F getmathscriptsmodevalues
F getinsertcategoryvalues	F getmathstylenamevalues
F getinsertcontent	F getmathstylevalues
F getinsertdepth	F getmathstylevariant
F getinsertdistance	F getmathsurroundvalues
F getinsertheight	F getmathvariantpresets
F getinsertlimit	F getmathvariantvalues
F getinsertmaxplaced	F getmeasure
F getinsertmultiplier	F getmissingcharactervalues
F getinsertoptionvalues	F getmode
F getinsertsplitvalues	F getmodevalues
F getinsertwidth	F getmuglue
F getintegervalue	F getmuskip
F getinteraction	F getmvloptionvalues
F getinteractionmodes	F getnest
F getiovalues	F getnestfields
F getkerneloptionvalues	F getnestlevel
F getkernoptionvalues	F getnoadoptionvalues
F getlargestusedmark	F getnormalizeilinevalues
F getlccode	F getnormalizeparvalues
F getlinebreakparameterfields	F getoutputactive
F getlinebreakresultfields	F getpacktypevalues
F getlinebreakstatevalues	F getpagecontextvalues

F getpagestate	N inicatcodes
F getpagestatevalues	D insertcategorycodes
F getparagraphoptionvalues	D insertoptioncodes
F getparametermodevalues	D insertsplitedges
F getparcontextvalues	F integerdef
F getpardataspecifications	D interactioncodes
F getpardir	F isattribute
F getparmodevalues	F isbox
F getparstate	F iscount
F getparstatefields	F isdefined
F getpartriggervalues	F isdimen
F getpenaltyoptionvalues	F isfloat
F getpositivevalue	F isglue
F getprepoststatevalues	F ismuglue
F getprimitivelegacies	F ismuskip
F getprimitiveorigins	F isprintable
F getprotrusionboundaryvalues	F isskip
F getregisterindex	F istoks
F getruleoptionvalues	F lastnodedtype
F getrunstate	F linebreak
F getrunstatevalues	D linebreakstatecodes
F getsfcode	D listanchordcodes
F getshapingpenaltiesvalues	D listgeometrycodes
F getskip	D listsigndcodes
F getsnappingvalues	N luacatcodes
F getspecialmathclassvalues	F mathchardef
F getspecification	D mathcontrolcodes
F getspecificationoptionvalues	D mathoptioncodes
F gettextcontrolvalues	D mathparametercodes
F gettextdir	D mathscriptordercodes
F gettoks	D mathscriptsmodedcodes
F getuccode	D modes
F getuleaderlocationvalues	F mprint
F getunitclassvalues	D mvloptioncodes
F getusedmarks	N nilcatcodes
F getvsplitcontextvalues	D noadoptioncodes
D glueoptioncodes	D normalizelinecodes
D glyphdiscodes	D normalizeparcodes
D glyphoptioncodes	N notcatcodes
D groupcodes	F number
F hashtokens	F overloadpermitted
N hshcatcodes	D parcontextcodes
D hyphenationcodes	D partriggercodes
D ifs	D penaltyoptioncodes

F poplocal	F sethmcode
F popsavlevl	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 setinsertmaxplaced
F pushlocal	F setinsertmultiplier
F pushsavlevl	F setintegervalue
F quitlocal	F setinteraction
F quittoks	F setlccode
F resetparagraph	F setlinedir
N rlnccatcodes	F setlist
F romannumeral	F setlocalbox
F round	F setmath
D ruleoptioncodes	F setmathcode
F runlocal	F setmathdir
D runstatecodes	F setmuglue
F runstring	F setmuskip
F runtoks	F setnest
F saveboxresource	F setpardir
F scale	F setpositvalue
F scantoks	F setrunstate
F set	F setsfcode
F setamcode	F setskip
F setattribute	F settextdir
F setbalanceshape	F settoks
F setbox	F setuccode
F setboxdir	D shapingpenaltiescodes
F setcardinalvalue	F shiftparshape
F setcatcode	F shipout
F setcccode	F showcontext
F setconditional	D snappingcodes
F setcount	F snapshotpar
F setdelcode	F sp
F setdimen	D specialmathclasscodes
F setdimensionvalue	D specificationoptioncodes
F setfloat	F splitbox
F setglue	D splitcodes
F setglyphdata	F sprint
F setglyphscript	F stringtobitmap
F setglyphstate	D systemmodes
F sethccode	F takebox

N texcatcodes		texsystemmodes	data table
D textcontrolcodes		thirddata	table
F tonumber		tobool	function
F toscaled		todecimal	function
N tpacatcodes		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_cmdchrcs	
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	
N functionsize		F get_frozen	
F init		F get_id	
B kpse_init		F get_immutable	
N propertysize		F get_index	
S shell_escape		F get_instance	
texconstants	data table	F get_integer	
texifs	data table	F get_macro	
texio	table	F get_meaning	
F closeinput		F get_noaligned	
F forceendoffile		F get_parameters	
F getinputindex		F get_permanent	
F getselectorvalues		F get_primitive	
F getsourcefilename		F get_protected	
F setlogfile		F get_range	
F terminal		F get_tok	
F write		F get_tolerant	
F write_nl		F getactive	
F writenl		F getcmdchrcs	
F writeselector		F getcmdname	
F writeselectorlf		F getcommand	
F writeselectornl		F getcommandvalues	
texisdefined	data table	F getconstant	
texmodes	data table	F getcsname	

F getcstoken	F peek_next_expanded
F getdimension	F peeknext
F getexpandable	F peeknextchar
F getexpansion	F peeknextexpanded
F getfields	F pop_macro
F getflags	F popmacro
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_curname
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
F gobble_integer	F scan_key
F gobbledimension	F scan_keyword
F gobbleinteger	F scan_keyword_cs
F grab	F scan_letters
F grabstring	F scan_luocardinal
F inhibit	F scan_luainteger
F is_defined	F scan_luanumber
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 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 scancmdchrexpanded	F setlua
F scancode	F setmacro
F scancsname	F setmacrofrommark
F scancstoken	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 scan glue	tokens
F scanint	table
F scaninteger	F astable
F scanintegerargument	D cache
F scankey	D commands
F scankeyword	F compile
F scankeywordcs	F constant
F scanletters	F create
F scanluacardinal	F defined
F scanluainteger	F flags
F scanluanumber	F getinteger
F scannext	F gobble
F scannextchar	F isactivestring
F scannextexpanded	F isdefined
F scanposit	F istoken
F scanreal	F new
F scanscale	F pickup
F scanskip	F popmacro
F scanstring	F pushmacro
F scantoken	F setinteger
F scantokencode	D values
F scantokenlist	tonumber
F scantokenstring	function
F scantoks	tostring
F scanvalue	function
	tracers
	table
	F printerror
	F printwarning

F showlines		F char
trackers	table	F characters
D data		F chrlen
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 remapper
F report		F replacer
F reset		F split
F savehash		F splitlines
F show		F sub
F value		F substituter
F values		F tocodes
type	function	F toeight
typesetters	table	F toentities
F marksuspects		F tostring
F showinvisibles		F totable
F showsuspects		F upper
unpack	function	F ustring
updaters	table	F utf16_to_utf8_be
F apply		F utf16_to_utf8_be_t
F register		F utf16_to_utf8_le
url	table	F utf16_to_utf8_le_t
F addscheme		F utf16_to_utf8_t
F barepath		F utf32_to_utf8_be
F construct		F utf32_to_utf8_be_t
F decode		F utf32_to_utf8_le
F encode		F utf32_to_utf8_le_t
F escape		F utf32_to_utf8_t
F filename		F utf8_to_utf16
F hashed		F utf8_to_utf16_be
F hasscheme		F utf8_to_utf16_le
F query		F utf8_to_utf8_t
F split		F values
F toquery		F xstring
F unescape		
F unescapeget		utf8 table
userdata	table	F char
utf	table	S charpattern
F by		F codepoint
F bytepairs		F codes
		F len

F offset		F replace
utilities	table	F round
vector	table	F rowechelon
F add		F set
F append		F setepslon
F average		F setnext
F ceiling		F setrc
F checkoverlap		F setstacking
F collectoverlap		F slice
F concat		F sort
F copy		F sub
F crossproduct		F swap
F delete		F tostring
F determinant		F totable
F div		F transpose
F equal		F triangulate
F exchange		F truncate
F floor		F type
F get		visualizers table
F getdimensions		D escapepatterns
F getepslon		F getspecification
F getmesh		F getvisualizer
F getrc		F load
F getrow		F makenested
F getstacking		F makepattern
F gettype		F newgrammar
F homogenize		F newhandler
F identity		F parsedxml
F inner		F pattern
F insert		F register
F inverse		F registerescapecommand
F ismesh		F registerescapeline
F issingular		F registerescapepattern
F isvector		S signal
F iszero		U signalpattern
F meshname		D specifications
F mul		F visualize
F negate		F visualizebuffer
F new		F visualizefile
F normalize		F visualizestring
F onecolumn		F write
F onerow		F writeargument
F product		F writedefault
F remove		F writeemptyline

F writenewline		F tostring	
F writespace		F totable	
warn		F voigt	
xcomplex	function 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 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 tonumber	F log1p
F tostring	F log2
F trim	F logb
xmath	table
F acos	F modf
F acosh	N nan
F asin	F nearbyint
F asinh	F nextafter
F atan	N pi
F atan2	F pow
F atanh	F rad
F cbrt	F remainder
F ceil	F remquo
F copysign	F round
F cos	F scalbn
F cosh	F sin
F deg	F sinh
F erf	F sqrt
F erfc	F tan
F exp	F tanh
F exp2	F tgamma
F expm1	F trunc
F fabs	F y0
F fdim	F y1
F floor	F yn
F fma	xml table
F fmax	F addentitiesdoctype
F fmin	F addspecialcode
F fmod	F after
F frexp	F all
F gamma	F applylpath
F hypot	F applyselector
N inf	F assign
F isfinite	F attribute
F isinf	F badinclusions
F isnan	F before
F isnormal	F body
F j0	F cdata
F j1	F cdatatotext
F jn	F checkbom
F ldexp	F checkedempty
F lgamma	F checkerror
F log	F checknamespace
F log10	F checkns
	F cleansed

F collect	F injectbefore
F collect_elements	F insert
F collect_tags	F insert_element
F collect_texts	F insert_element_after
F collected	F insert_element_before
F collecttexts	F insertafter
F compactelement	F insertbefore
F content	F insertcdata
F convert	F insertcomment
F copy	F inspect
F count	F is_valid
F cprint	F kind
S defaultprotocol	F last
F delete	F lastmatch
F delete_element	F load
F despecialized	F lpath
F each	F lpathcached
F each_element	F lpathcalls
F elements	F lshow
F elementtodata	F makestandalone
F empty	F match
D entities	F name
F erase	F newhandlers
F errorhandler	F nodesettoString
F escaped	F originalload
F expand	F package
F fillin	F parent
F filter	U parsedentitylpeg
F first	F popmatch
F found	F position
F getbuffer	D privatecodes
F gethandlers	F privatetoken
F gethandlersfunction	F process
F include	F process_attributes
F inclusion	F process_elements
F inclusions	F processattributes
F index	F pure
F inheritattributes	F pushmatch
F inheritedconvert	F raw
F inject	F registerentity
F inject_element	F registersns
F inject_element_after	F reindex
F inject_element_before	F remap_name
F injectafter	F remap_namespace

F remap_tag	F tocdata
F remapname	F toelement
F remapnamespace	F tostring
F remaptag	F totable
F rename	F toxml
F renamespace	F tprint
U reparsedentitylpeg	F traverse
F replace	F unescaped
F replace_element	U unescapedentitylpeg
F resetinjectors	F unprivatized
F resolvens	F unspecialized
F root	F wipe
F save	F withelement
F selection	F withelements
F separate	F wrap
F serialize	xpcall function
F serializetotext	xzip table
F setcdata	F adler32
F setcomment	F compress
F sethandlersfunction	F compresssize
F setinjectors	F crc32
F setproperty	F decompress
F settings	F decompresssize
D specialcodes	zip table
F sprint	F closearchive
F string	F openarchive
F strip	zlib table
F strip_whitespace	F adler32
F stripelement	F compress
F stripleadingspaces	F compresssize
F table	F crc32
F text	F decompress
F textonly	F decompresssize
F texttocdata	

globals (context)

CONTEXTLMTXMODE	number	D values
LUAFORMAT	number	backends table
LUAMAJORVERSION	number	F closeout
LUAMINORVERSION	number	S current
LUATEXENGINE	string	F getcallbackstate
LUATEXFORMATID	number	F initialize
LUATEXFUNCTIONALITY	number	F latelua
LUATEXVERBOSE	string	F nothing
LUATEXVERSION	number	F openout
LUAVERSION	number	F setencryption
MP	function	F writeout
SAVEDREQUIRE	function	base6x table
aes	table	F decode16
		F decode64
		F decode85
		F decodeLZW
arg	table	F decodeRL
assert	function	F encode16
attributes	table	F encode64
		F encode85
		F encodeLZW
		F encodeRL
bibtex		bit32 table
		F arshift
		F band
		F bnot
		F bor
		F btest
		F bxor
		F extract
		F lrotate
		F lshift
		F replace
		F rrotate
		F rshift
blobs		blobs table
		F append
		F dimensions
		F dispose
		F new

F pack		F downgrade
F strdp		F downsample
F strhd		F getbyte
F strht		F getbytes
F strwd		F getvalue
F tohpack		F hasbytegray
F tonodes		F hasbyterange
F tovpack		F hasbytergb
F write		F new
boolean	table	F newdomain
F tocontext		F process
F tonumber		F reduce
buffers	table	F reset
F append		F setgray
F assign		F setgrayadd
F collectcontent		F setgraymin
F empty		F setrgb
F erase		F slicegray
F exists		F slicerange
F get		F slicergb
F getcontent		caches table
F getctxlua		S base
F getlines		F collapsecontent
F getmkvi		F configfiles
F gettex		F contentstate
F loadcontent		F getfirstreadablefile
F prepend		F getreadablepaths
F raw		F getwritablepath
F run		F hashed
F samplefile		F is_writable
F splitsamplefile		F loadcontent
F undent		F loaddata
builders	table	S more
F checkparcontext		F savecontent
F checksidefloat		F savedata
F parpassidentifier		F setfirstwritablefile
D passnames		F setluanames
F registerpaspasscallback		F treehash
bytemap	table	F usedpaths
F bounds		callback table
F clip		F find
F copy		F getindex
F dimensions		F getoptions
F domain		F getoptionvalues

F getstate

D encodes

F getstatevalues

D entities

F known

D fallbacks

F list

D filters

F names

F fromnumber

F register

D fschars

F setoptions

D fscodes

F setstate

F getrange

F testonly

D graphemes

F usage

D hangul

callbacks

table

F freeze

F initialize

F getcomment

D is_character

F getstates

D is_command

F known

D is_hyphenator

F optimizer

D is_letter

F pop

D is_mark

F push

D is_nothing

F register

D is_punctuation

F report

D is_spacing

catcodes

table

D names

D lcchars

D numbers

F lccode

F register

D lccodes

characters

table

F addcharacternames

D linebreaks

F adobename

F lower

D bidi

D mathlists

F blockrange

D otfscripts

D blocks

D ranges

D can_have_space

F registerentities

D categories

F remap_hangul_syllabe

F category

F setactivecatcodes

D categorytags

F setlettercatcodes

D collapsed

F setothercatcodes

D combined

F shape

F contextname

F shaped

D csletters

D shash

D data

D shchars

D decomposed

D shcodes

F description

F showstring

D descriptions

D specialchars

D detailtags

D specials

F emojized

D synonyms

F tonumber	F MPwhd
D ucchars	F MPx
F uccode	F MPxy
D uccodes	F MPxywhd
D uhash	F MPy
F unicodechar	F Romannumerals
F upper	F actualday
D verbosemarks	F actualmonth
chemistry	table
F component	F actualyear
F define	F adaptfontfeature
D definitions	F adaptivecheckbox
S format	F addbtxentry
F inlinechemical	F addcounter
S instance	F adddefaultsuffix
S method	F addfeature
F molecule	F addfontpath
U moleculeparser	F addgrapheme
F start	F addlinenumbers
F stop	F addlinklistelement
F undefine	F addreplacements
collectgarbage	function
commands	table
F Alphabetic	F adddrivers
F MPLIBconvertfollowtext	F addtolumnset
F MPLIBconvertoutline	F addtolumnsetmvl
F MPC	F addtojavascriptpreamble
F MPd	F addtolist
F MPfromhash	F align_point_delta
F MPf	F allinpaths
F MPll	F alphabetic
F MPlr	F analysefloatmethod
F MPls	F analyzeitemgroup
F MPn	F analyzelocalanchors
F MPp	F analyzeregister
F MPpdata	F analyzerotate
F MPplus	F analyzeupcomingitemgroup
F MPpos	F applypattern
F MPr	F applytobox
F MPrest	F applytofirstcharacter
F MPrs	F arraycompare
F MPul	F arrayequals
F MPur	F arrayvalue
F MPw	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 boxlinedwd
F autonextstructurelevel	F boxoptioncodestring
F autorule	F boxrangedp
F autosetups	F boxrangeht
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F autostoptext	F boxtostream
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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 bitwisenflip	F btxauthortoregister
F bitwisenil	F btxcmdstring
F bitwisenot	F btxcollectlistentries
F bitwisor	F btxcurrentfirstnames
F bitwiseset	F btxcurrentinitials
F bitwisenshift	F btxcurrentjuniors
F bitwisexor	F btxcurrentsurnames
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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
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F boxlinels	F btxentrytostream
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F btxoneorrange	F closeout
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F btxsingularorplural	F columnsetgoto
F btxtoregister	F columnsethascontent
F btxusedataset	F columnsetspan
F btxuservariable	F columnsetlastfuture
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F checkedemoji	F columnsetshapebalancecheck
F checkedpagefloat	F columnsetshapebalanceextend
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F checkinterfacechain	F columnsetshapecount
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F concatcommalist	F definecolumnset
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F continueifinputfile	F definecounter
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F copyboxline	F definefilefallback
F copyposition	F definefilesynonym
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F cosd	F definefont_two
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F ctxluamatchfile	F definefontfamilypreset
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F currentprehyphenchar	F definelabels
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F dayname	F defineparbuilder

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F definetransparencyglobal
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F disabletrackers
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F disposelutable
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F doifsame	F enablesidefloatchecker
F doifsomething	F enablespellchecking
F doifunknownfontfeature	F enablestacking
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F doresyncframedbox	F enableswapping
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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
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F dostoptextfile	F eposcolumnregistered
F doublescriptmodecodestring	F erasebuffer
F droptablegroup	F execute
F elapsedsteptime	F exportbox

F exportformdata	F flushstream
F exportpreferences	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
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F figure_mergegoodies	F forceendjob
F figure_nof_registered_pages	F forcepageflush
F figure_register_page	F forcequitjob
F figuresetdimensions	F forcestrutdepth
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F filedirectoryname	F formatcolor
F filenameonly	F formatgray
F filesuffix	F formatluminance
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F filterreference	F formatone
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F finalizeshipoutbox	F from
F findregisterinternal	F frozenparcodestring
F finishcolumnsetflush	F frule
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F firstsubcountervalue	F getboxcountfromcache
F flagcodestring	F getboxdpfromcache
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F flushcolumnsetcolumn	F getboxhtdpfromcache
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F flushlabeledfloat	F getboxwdfromcache
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F flushnotes	F getbuffercontent
F flushpageblocks	F getbufferctxlua
F flushpageinjectionsafter	F getbuffermkvi
F flushpageinjectionsbefore	F getbuffertex
F flushpostponedblocks	F getcharactercasingcategory
F flushpostponednotes	F getclubpenalties

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F getcurrentreferencelabel	F getrandomseed
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F getdefaultfieldvalue	F getreferencesectionnumber
F getdisplaywidowpenalties	F getrivers
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F getdocumentfilename	F getshapeparameter
F getfieldcategory	F getsomefullstructurenumber
F getfile	F getsomestructurenumber
F getfirstcharacter	F getspecificstructuretitle
F getfloatvariable	F getstructurelevel
F getfromluatable	F getstructurenumber
F getfullstructurenumber	F getsubstring
F getinterlinepenalties	F getsynchronizemarking
F getinternalcachedlistreference	F geturl
F getinternallistreference	F getvisual
F getinternalorderreference	F getwidowpenalties
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F getmathblobmapping	F globalpushmacro
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F getmathchartwo	F glyphoptioncodestring
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F getmathtextblob	F goto-columnsetslot
F getmathvariant	F grabbuffer
F getmessage	F groupcode-string
F getmpextensions	F groupsetgroup
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F getnaturalwd	F grph_nodes_register
F getnofpreviouslines	F grph_nodes_reset
F getnotestate	F grph_nodes_resolve
F getnotestorecount	F handlemathhang
F getnotestoreflushed	F hboxtovbox
F getobjectdimensions	F heightof-string
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 hyphenated-digits
F getprivateslot	F hyphenated-list
F getprogram	F hyphenationcode-string
F getrandomdimen	F ic
F getrandomfloat	F idxfromluatable

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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
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F ifmodes	F inputfilerealsuffix
F ifmvl	F inputfilesuffix
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F ifsetups	F insertcategorycodestring
F ifsystemmode	F insertcomment
F iftext	F insertfield
F ifxml	F insertionnumber
F ifxmlatt	F insertoptioncodestring
F ifxmlattempty	F insertrenderingwindow
F ifxmlempty	F inspectluatable
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F ignorefile	F installtexexperiment
F ignoretagsinexport	F installtextracker
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F includesvgbuffer	F it
F includesvgfile	F jobfilefullname
F incrementcounter	F jobfilename
F incrementsubcounter	F jobfilesuffix
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F initializejob	F jobposp
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F leapyear	F localboxindent
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F linebuffering	F localboxlefthang
F linedir	F localboxleftoffset
F lineprofilebox	F localboxleftskip
F linesegment	F localboxlinenumber
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F listsize	F localpushmacro
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F listuserdata	F loopcs
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F lmt_parameters_preset	F lousiness
F lmt_parameters_reset	F luocardinal
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F loadcldfileonce	F luadimen
F loadexamodes	F luaexpression
F loadfontgoodies	F luafloat
F loadlibrary	F luainteger

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F metapostformatted	F newindexedtable
F metapostgraphformat	F newluatable
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F mixfinalize	F newstacking
F mixflushlist	F nextparallel
F mixflushrest	F nextsubcountervalue
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F mixsetsplit	Fnofbufferlines
F mixstate	Fnofconversions
F modecodestring	Fnofdays
F molecule	Fnofdetachedinsertions
F month	Fnoflinesinbox

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F pageofinternal	F pfloor
F pageoverflow	F pflog
F pagestaterealpage	F pfmod
F pagestaterealpageorder	F pfpow
F parcontextcodestring	F pfrad
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F parpassidentifier	F pfsin
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F placeparallel	F processsynonyms
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F pophyphenation	F profilebox
F poplist	F profilemacro
F poplocalanchors	F project
F poplogfile	F pruneboxesincache
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F poppath	F pushfloat
F poprandomseed	F pushhyphenation
F popreferenceprefix	F pushlist
F popregime	F pushlocalanchors
F poprunstate	F pushlogfile
F popsectionblock	F pushparagraphweak
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F positnumdef	F pushrandomseed
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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 qrcodebuffer
F presetmathematics	F qrcodestring
F presetmathfontalternate	F rawMPdata
F presetssymbolist	F rawcharacter
F previoussubcountervalue	F rawsetupstring
F privatecharacter	F rawsubcountervalue
F privatecharactercode	F read
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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 registeranchorbox	F registersynchronize
F registerattachment	F registersynonym
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 registershowsynonym	F resetsubcounter
F registersnaprange	F resetsynchronizemarking
F registerstructureprocessor	F resetsynonyms

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 revivefeature	F setcharactercasing
F rightmathkern	F setcharactercleaning
F romannumerals	F setcharacterkerning
F rotateparshape	F setcharacterspacing
F rounded	F setcharacterstripping
F roundedfill	F setclosedocumentaction
F roundedoutline	F setclosepageaction
F ruby	F setcolormodel
F ruleoptioncodestring	F setcolumnsetarea
F runcontextjob	F setcolumnsetlines
F safechar	F setcolumnsetmv1
F samplefile	F setcolumnsetpresent
F saveboxresource	F setcolumnsetproperties
F savebuffer	F setcolumnsetstart
F savecounter	F setcomparetext
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 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 sethsizecolumnset	F setopenpageaction
F sethsizecolumnspan	F setowncounter
F sethyphenatedurlcharacters	F setownsubcounter
F sethyphenationfeatures	F setpagecolormodel
F sethyphenationmethod	F setpagestate
F setidentityvariable	F setpagestaterealpageno
F setinitial	F setpagetransition
F setinitialsectionblock	F setparagraphmetashape
F setinjector	F setparbuilder
F setinsertionlocation	F setparwrapper
F setinsertmigration	F setpdfcompression
F setinterfaceconstant	F setperiodkerning
F setinterfaceelement	F setpostlistbox
F setinterfacemessage	F setprelistbox
F setinterfacemessages	F setprofile
F setinterfacevariable	F setrandomseed
F setinternalreference	F setrealign
F setitaliccorrection	F setrealspaces
F setjavascriptpreamble	F setreferencelinkmethod
F setjobcomment	F setregionbox
F setlanguageexceptions	F setregionboxtagged
F setlanguageoptions	F setregistermethod
F setlanguagepatterns	F setreplacements
F setlanguagesynonym	F setruby
F setlinefiller	F setrule
F setlineprofile	F setscript
F setlocalalignanchor	F setsectionblock
F setlocalmarkanchor	F setsectionentry
F setlocalsyncanchor	F setshadow
F setluatable	F setshift
F setmathalphabet	F setsofthyphens
F setmathattribute	F setsplitlisthtdp
F setmathfontalternate	

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 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 showtxdatasetauthors
F settaglist	F showtxdatasetcompleteness
F settagmarginanchor	F showtxdatasetfields
F settagmargintext	F showtxentry
F settagmpgraphic	F showtxfields
F settagnotation	F showtxhashedauthors
F settagnotationsymbol	F showtxtables
F settagparagraph	F showtxvariants
F settagproperty	F showchardata
F settagpublication	F showcounter
F settagregister	F showdirectives
F settagsetreferencedescription	F showdiscretionaries
F settagsorting	F showexperiments
F settagssubsentencesymbol	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 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 spacedigits	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 starttrotation	F strc_tags_set_element_user_properties

F strc_tags_start	F tabl_ntb_set_sec
F strc_tags_start_chained	F tagmfunctionlab
F strc_tags_start_detail	F tagmfunctionlabattribute
F strc_tags_start_ignore	F tan
F strc_tags_start_userdata	F tand
F strc_tags_stop	F textdir
F stringtoorientation	F textime
F structureautocatcodedget	F tf
F structureblockuservariable	F thebox
F structurecatcodedget	F thefirstcharacter
F structuregivencatcodedget	F themaxboxwidth
F structurenumber	F theremainingcharacters
F structuretitle	F tightfitcompensation
F structureuservariable	F timestring
F structurevariable	F tobigpoints
F subcountervalue	F tobit
F subsubcountervalues	F tobits
F subtocolumnsetmvl	F tochar
F subtocolumnsetmvlbalance	F tohexa
F subtractfeature	F toorientation
F svghashed	F totalfstring
F sync	F tounicharnum
F synccolor	F towholebigpoints
F synccolorclone	F transliterate
F synccolorcount	F transliteratebuffer
F synchronizelocalanchors	F transliterated
F synchronizemarking	F transliteratedbuffer
F synchronizesteps	F transliterationexception
F synchronizestream	F traverseblock
F synctexblockfilename	F traversemath
F synctexdisable	F triggerpagebuilder
F synctexpause	F truefilename
F synctexpopline	F truefontname
F synctexpushline	F type
F synctexresetfilename	F typebuffer
F synctexresume	F typefile
F synctexsetfilename	F uchar
F synonymfirstuserpage	F uchexnumber
F synonymmeaning	F uchexnumbers
F synonymname	F undefinechemical
F synonympages	F unicodechar
F synonymuserpages	F unihex
F systemlog	F unit
F tabl_ntb_get_sec	F unloadlanguage

F unsupporteddc	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 usejavascriptsheets	F x_table_create
F uselibrary	F x_table_finish_row
F uselist	F x_table_flush
F useluamodule	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 xmlaftersetup
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 xmlbeforesetup
F uuid	F xmlchainatt
F vboxlisttohbox	F xmlchainattdf
F verbose	F xmlchecknamespace
F vpackbox	F xmlcommand
F vpackedbox	F xmlconcat

F <code>xmlconcatrange</code>	F <code>xmlincluderange</code>
F <code>xmlcontext</code>	F <code>xmlinclusion</code>
F <code>xmlcount</code>	F <code>xmlinclusionbase</code>
F <code>xmlcssmappedstylevalue</code>	F <code>xmlinclusions</code>
F <code>xmlcssstylevalue</code>	F <code>xmlindex</code>
F <code>xmldelete</code>	F <code>xmlinlineverbatim</code>
F <code>xmldepth</code>	F <code>xmlinstalldirective</code>
F <code>xmldirect</code>	F <code>xmllast</code>
F <code>xmldirectives</code>	F <code>xmllastatt</code>
F <code>xmldirectivesafter</code>	F <code>xmllastmatch</code>
F <code>xmldirectivesbefore</code>	F <code>xmllastpar</code>
F <code>xmldisplayverbatim</code>	F <code>xmlloadbuffer</code>
F <code>xmldoif</code>	F <code>xmlloaddata</code>
F <code>xmldoifatt</code>	F <code>xmlloaddirectives</code>
F <code>xmldoifelse</code>	F <code>xmlloadentities</code>
F <code>xmldoifelseatt</code>	F <code>xmlloadfile</code>
F <code>xmldoifelseempty</code>	F <code>xmlmain</code>
F <code>xmldoifelseempty</code>	F <code>xmlmatch</code>
F <code>xmldoifelseempty</code>	F <code>xmlname</code>
F <code>xmldoifempty</code>	F <code>xmlnamespace</code>
F <code>xmldoifnot</code>	F <code>xmlnonamespace</code>
F <code>xmldoifnotatt</code>	F <code>xmlpar</code>
F <code>xmldoifnotempty</code>	F <code>xmlparam</code>
F <code>xmldoifnotselfempty</code>	F <code>xmlpath</code>
F <code>xmldoifnottext</code>	F <code>xmlpopmatch</code>
F <code>xmldoifselfempty</code>	F <code>xmlpos</code>
F <code>xmldoiftext</code>	F <code>xmlprependsetup</code>
F <code>xmlelement</code>	F <code>xmlpure</code>
F <code>xmlfileline</code>	F <code>xmlpushmatch</code>
F <code>xmlfilename</code>	F <code>xmlraw</code>
F <code>xmlfilter</code>	F <code>xmlrawtex</code>
F <code>xmlfilterlist</code>	F <code>xmlrefatt</code>
F <code>xmlfirst</code>	F <code>xmlregisterns</code>
F <code>xmlflush</code>	F <code>xmlremapname</code>
F <code>xmlflushcontext</code>	F <code>xmlremapnamespace</code>
F <code>xmlflushlinewise</code>	F <code>xmlremovesetup</code>
F <code>xmlflushpure</code>	F <code>xmlresetinjectors</code>
F <code>xmlflushsetup</code>	F <code>xmlresetsetup</code>
F <code>xmlflushspacewise</code>	F <code>xmlsave</code>
F <code>xmlflushtext</code>	F <code>xmlsetatt</code>
F <code>xmlformulatobuffer</code>	F <code>xmlsetattribute</code>
F <code>xmlfunction</code>	F <code>xmlsetcommandtonone</code>
F <code>xmlgetindex</code>	F <code>xmlsetcommandtotext</code>
F <code>xmlinclude</code>	F <code>xmlsetentity</code>

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	xmlstripped	F	loadviafile
F	xmlstrippednolines	D	modes
F	xmltag	F	newindexer
F	xmltexatt	F	newtexthandler
F	xmltexentity	F	newverbosehandler
F	xmltext	F	nr
F	xmltobuffer	F	par
F	xmltobuffertextonly	F	popcatcodes
F	xmltobufferverbose	F	poplogger
F	xmltofile	F	printlines
F	xmltoparameters	F	printtable
F	xmlverbatim	F	protect
F	xmlwithindex	F	pushcatcodes
F	year	F	pushlogger
containers		table	
F	cleanname	F	rule
F	content	F	runfile
F	define	F	runstring
F	is_usable	F	safechar
F	is_valid	F	secondoftwoarguments
F	read	F	setconditional
B	usecache	F	setfontid
F	write	F	setmode
context		function	
F	bc	F	setsystemmode
F	bgroup	F	settriaitypesettingmethod
F	char	F	space
F	concat	F	sprint
D	conditionals	F	startcollecting
F	cssdimension	F	step
F	ctxescape	F	stepwise
		F	stopcollecting

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
converters	
table	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 AK	F gregorian_to_jalali
F Alphabetic	F hebrewnumerals
F Alphabetic:es	F hexstringtonumber
F Alphabetic:ru	F i
F Alphabetic:sl	F isleapyear
F Character	F jalali_to_gregorian
F Characters	F lchexnumber
F I	F lchexnumbers
F KA	F leapyear
F KR	F lower
F R	F max
F RK	F maxchrs
F Romannumerals	F nicenumber
F Russiannumerals	F nofdays
F Sloveniannumerals	F number
F Spanishnumerals	F numbers
F Word	F octnumber
F Words	F octstringtonumber
F a	F ordinal
F a:es	F r
F a:ru	F romannumerals
F a:sl	F russiannumerals
F abjadnodotnumerals	D sequences
F abjadnumerals	F settime
F alphabetic	F sloveniannumerals
F alphabetic:es	F spaceddigits
F alphabetic:ru	F spanishnumerals
F alphabetic:sl	F textime
F character	F toabjad
F characters	F tochinese
F chinesecallnumerals	F tohebrew

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
coroutine	table	F show
F close		F value
F create		F values
F isyieldable		document
F resume		table
F running		D arguments
F status		F getargument
F wrap		F getfilename
F yield		F pdf_cleanup_cidsets
ctxrunner	table	F pdf_cleanup_procsets
F load		F pdf_identify_content
F preparedfile		F pdf_serialize_content
D prepfiles		F pdf_strip_content
F resolve		F pdf_strip_page
debug	table	F setargument
F getinfo		F setcommandline
F sethook		F setdefaultargument
F traceback		F setenvironments
dimen	function	F setfilename
dir	table	F setfilenames
F collectpattern		F setmodes
F current		F setmodules
F expandlink		D variables
F expandname		documentdata
F found		table
F glob		F variable
F globdirs		dofile
F globfiles		function
F globpattern		drivers
F ls		table
F makedirs		F applyanchor
F mkdirs		F applyorientation
F pop		F convert
F push		F enable
directives	table	F finalize
D data		F gethpos
		F gethvpos
		F getpos
		F getrpos
		F getvpos

F initialize		F loadexamodes
F install		F loadluafile
N lmtxversion		F luafile
F outputfilename		F luofilechunk
F report		S luatexengine
effects	table	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
F perlinoise		S ownmain
F simplexangle		S ownname
F simplexdetail		S ownpath
F simplexnoise		B prerollrun
F stepoctave		D rawarguments
environment	table	F reconstructcommandline
F argument		F relativepath
D arguments		F setargument
D basicengines		F splitarguments
N currentrun		S suffix
F definefilefallback		F texfile
F definefilesynonym		S texmfos
D engineflags		S texos
S filename		S texroot
D filesynonyms		F truefilename
N forcedruns		F useluamodule
F getargument		F usemodules
F globfiles		D validengines
S homedir		S version
B initex		error
B initexmode		experiments
F initializearguments		function
F initializefilenames		table
S inputfilebarenname		D data
S inputfilename		F default
S inputfilesuffix		F disable
S jobfullname		F enable
S jobfilename		F list
S jobfilesuffix		S name
N kindofrun		F register
N lmtxmode		F report
		F reset
		F show

F value	D paths
F values	D patterns
figures	table
F applyratio	F pop
F badname	B preferquality
D bases	D programs
F bitmapimage	F push
N boxnumber	F qrcode
F bytепalette	F registerpattern
D cachepaths	F registerresource
F check	F registersuffix
D checkers	D remappers
D conversions	D resources
D converters	F scale
F current	F set
N defaultdepth	F setconversion
N defaultheight	F setlookups
B defaultsearch	F setorder
N defaultwidth	F setpaths
F done	D suffixes
F dummy	D used
D exists	file table
F exists	F addsuffix
D formats	F basename
D found	F checksum
F get	F collapsepath
F getinfo	F copy
F getpdfinfo	F dirname
F getrealpage	F expandname
F guess	F extname
F guessfromstring	F is_qualified_path
F hash	F is_readable
D identifiers	F is_rootbased_path
F identify	F is_writable
F include	F isreadable
D includers	F iswritable
F initialize	F join
D loaded	F joinpath
D localpaths	F loadchecksum
D magics	F nameonly
F mergegoodies	F namethtable
N nmissing	F needs_updating
N nprocessed	F needsupdating
D order	F pathpart
	F readdata

F removesuffix	F skipposition
F replacesuffix	F writecardinal1
F reslash	F writecardinal1le
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	floats table
F suffix	F analysemethod
F suffixes	F checkedpagefloat
F suffixesonly	F collect
F suffixonly	F consult
F syncmtimes	F flush
F withinbase	F getvariable
fio table	F hasstacked
F getposition	F nofstacked
F read2dot14	F pop
F readbytes	F push
F readbytetable	F resave
F readcardinal1	F save
F readcardinal1le	F stacked
F readcardinal2	font table
F readcardinal2le	F addcharacters
F readcardinal3	F addquality
F readcardinal3le	F current
F readcardinal4	F define
F readcardinal4le	F getfont
F readcardinaltable	F getfontdimen
F readcline	F getfontfields
F readcstring	F getfontspec
F readfixed2	F getmathcharacterfields
F readfixed4	F getmathindex
F readinteger1	F getmathspec
F readinteger1le	F getparameterfields
F readinteger2	F gettextcharacterfields
F readinteger2le	F id
F readinteger3	F max
F readinteger3le	F nextid
F readinteger4	F setfont
F readinteger4le	F setfontdimen
F readintegertable	F xscaled
F setposition	F yscaled

fonts

F current
F currentid
F definetypeface
F enhanceid
D expansions
D formats
F getalternate
F getindices
F getkern
F getmultiple
F getsubstitution
F infofont
F mode
D names
D nulldata
D protrusions
F registersanitizer
F reserveid
F toeffect

functions

F dummy

getmetatable**globaldata**

N CONTEXTLMTXMODE
N LUAFORMAT
N LUAMAJORVERSION
N LUAMINORVERSION
S LUATEXENGINE
N LUATEXFORMATID
N LUATEXFUNCTIONALITY
S LUATEXVERBOSE
N LUATEXVERSION
N LUAVERSION
F SAVEDREQUIRE

F assert
F collectgarbage
F dimen
F dofile
F error
F getmetatable
F inspect
F ipairs
F load

table

D loaders
F loadfile
F loadstring
F next
F optionalrequire
F pairs
F pcall
F print
F rawequal
F rawget
F rawlen
F rawset
F require
F select
F setinspector
F setmathparameters
F setmetatable
D texconditionals
D texconstants
D texifs

texisdefined

D texmodes
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F lmtGlyphshapeLlx	F mode
F lmtGlyphshapeN	F n
F lmtGlyphshapePath	F newbytemap
F lmtGlyphshapeStart	F number
F lmtGlyphshapeStop	F numeric
F lmtGlyphshapeUsedBox	F pair
F lmtGlyphshapeUsedLine	F pairpoints
F lmtGlyphshapeWidth	F path
F lmtMeshSet	F pathpoints
F lmtMeshUpdate	F points
F lmtPoissonGenerate	F processbytemap
F lmtStartPotrace	F processingmode
F lmtStepPotrace	F quadruple
F lmtStopPotrace	F quadrupolepoints
F lmtSurfaceDo	F quoted
F lmtSvgInclude	F report
F loadbytemap	F setbytemap
F loadbytemapfile	F setbytemapoctave
F meshRegister	F size
F mfBlobAdd	F solve
F mfBlobDimensions	F string
F mfBlobIndex	F systemmode
F mfBlobNew	F transform
F mfBlobRawContent	F triplet
F mfBlobRawDimensions	F tripletpoints
F mfBlobRawReset	F vprint
F mfBlobRawToutf	mplib table
F mfBlobRawWipe	F downgradebytemap
F mfBlobSize	F downsamplebytemap
F mfBlobWidth	F execute
F mfExternalFigure	F expandtex

F fillbytemap	F peninfo
F finder	F processbytemap
F finish	B realtimelogging
F getbytemap	F scanboolean
F getbytemapdata	F scanmykcolor
F getcallbackstate	F scandcolor
F getcodes	F scanexpression
F getcolormodels	F scaninteger
F getfields	F scannext
F gethashentries	F scannumber
F gethashentry	F scannumeric
F getinternalactions	F scanpair
F getknotstates	F scanpath
F getlastaddtype	F scanpen
F getlogtargets	F scanproperty
F getobjectdata	F scanstring
F getobjectpeninfo	F scansymbol
F getobjectstacking	F scantoken
F getobjecttypes	F scantransform
F getpruneoptions	F setbytemap
F getresultstatus	F setbytemapoctave
F getscaledbits	F settolerance
F getscantypes	F showcontext
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F getstatistics	F solvepath
F getstatus	F version
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F gettype	F decode
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F injectcmykcolor	F getmathmode
F injectcolor	F process
F injectinteger	F processnested
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F injectpair	F checkdiscretionaries
F injectpath	F checkdiscretionary
F injectstring	F copy
F injecttransform	F copylist
F injectvector	F count
F injectvectors	F currentattributes
F injectwhatever	F dimensions
F new	F effectiveglue
F newbytemap	F endofmath

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 getpropertiesstable	F type
F getproperty	F types
F gluetostring	F unprotectglyph
F hasattribute	F unprotectglyphs
F hasfield	F unsetattribute
F hasglyph	F usedlist
F hpack	F usesfont
F hyphenating	F vpack
F id	F write
F insertafter	nodes
F insertbefore	table
F instock	D accentcodes
F intracking	F aligned
F inuse	F append
F isnode	F apply
F iszero(glue)	F applyvisuals
F kerning	F astable
F lastnode	F basepoints
F length	D boundarycodes
F ligaturing	D choicecodes
F makeextensible	F concat
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F protrusionskippable	F currentattributes
F rangedimensions	F delete
F remove	D dircodes
F serialized	D directioncodes
F setattribute	D directionvalues
F setfield	D dirvalues
	D discodes

D discretionarycodes	F list
D fencecodes	D listcodes
F fields	F listtoutf
D fillcodes	D literalvalues
D fillvalues	F locate
F firstdirinbox	D markcodes
F flush	D mathcodes
F flushlist	D mathvalues
F flushnode	F maxboxwidth
D fractioncodes	F new
F fullhpack	D noadcodes
F getattr	D nodecodes
F getattribute	F nopts
F getboth	F packlist
F getbox	D parcodes
F getchar	D penaltycodes
F getfield	F points
F getfont	F prepend
F getid	F print
F getleader	F pts
F getlist	D radicalcodes
F getnext	F rehpack
F getprev	F remove
F getproperty	F repackhlist
F getsubtype	F replace
D gluecodes	F report
D glyphcodes	F rightmarginwidth
F hasattribute	D rulecodes
F hasfield	F serialize
F hpack	F serializebox
F idsandsubtypes	F serialized
F idstostring	F setattr
F insertafter	F setattribute
F insertbefore	F setattrlist
F insertlistafter	F setboth
F installattributehandler	F setbox
F is_display_math	F setboxtonaturalwd
F isdirect	F setchar
F isnode	F setfield
F isnut	F setfont
D kerncodes	F setleader
F leftmarginwidth	F setlink
F link	F setlist
F linked	F setnext

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F setproperty	F basepoints	
F showboxes	F bytetodecimal	
F showlist	F compactfloat	
F showsimplelist	F decimaltobyte	
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F somepenalty	F formatted	
F somespace	F formattedfloat	
F splitbox	F fractiontobyte	
F startofpar	F idiv	
F stripdiscretionaries	F nupticks	
D subtypes	N maxdimen	
F tail	F nupticks	
F takeattr	F nubasepoints	
F takebox	F nupoints	
F tobasepoints	F percent	
F tocentimeters	F points	
F tociceros	F pts	
F todidots	F signed	
F todimen	F sparseexponent	
F toinches	F splittimen	
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F tonode	F tobasepoints	
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F tonut	F tocentimeters	
F topicas	F tociceros	
F topoints	F tocontext	
F toscaledpoints	F todidots	
F tosequence	F todimen	
F tostring	F toediths	
F totable	F toevenhex	
F totree	F toinches	
F toutf	F tomillimeters	
F traverse	F tonumberf	
F traverseid	F tonumberg	
F unsetattribute	F topicas	
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F visualizebox	F valid	
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D whatsitcodes	F dimensions	
F write	F found	

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F reference		S selfpath
F register		F serialwrite
F restore		F setenv
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F __getenv__		F startuptime
F __setenv__		F time
S binsuffix		F timezone
N bits		F tmpname
F clock		F today
F converttime		S type
F date		F uname
F difftime		F uuid
F enableansi		F validdate
D env		F weekday
F execute		F where
F exit		F which
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F getcodepage		S config
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F getnamevalues		F extralibpath
F gettimeofday		F extralibpaths
F gettypevalues		F extraluapath
F getunamefields		F extraluapaths
F isleapyear		F libpaths
F launch		F loadlib
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F localtime		S path
S name		F poplibpath
S newline		F popluapath
F nfdays		F pushlibpath
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F remove	pairs	function
F rename	parametersets	table
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S selfbin		F immediateobj
S selfcore	pdfdecode	table
S selfdir	pdf	table

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F getarray		F makemask		
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F getcatalog		F tocmyp		
F getdictionary		F tomask		
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F getfieldtypes		F NaN		
F getfromarray		F NaR		
F getfromdictionary		F __add		
F getfromobject		F __band		
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F getinfo		F __div		
F getinteger		F __eq		
F getmemoryusage		F __le		
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F getnofobjects		F __mul		
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F getobjectrange		F __shl		
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F getstatus		F abs		
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F getstream		F asin		
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F	sin		F get	
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F	tochar		F getfaster	
F	tonumber		F getfield	
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F	tostring		F getindex	
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F	checked		F lastofrange	
F	concat		F load	
F	contourplot		F loadbibdata	
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F	flush		F new	
F	free		F okay	
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F	getbitmap		F parenttag	
F	getnewfields		F permitted	
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F	getprocessfields		F refman_to_bt	x
F	new		F resolvedname	
F	process		F save	
F	setbitmap		F search	
F	stripped		F setcategory	
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F	trace		F singularorplural	

F sortedentries		F dirstatus
F splitauthor		F dowithfilesandreport
F splitoneauthor		F dowithfilesintree
F tags		F dowithpath
F usedataset		F dowithvariable
F usedentries		F expandbraces
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F pop		F findgivenfile
F process		F findgivenfiles
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F toregime		F findpath
F translate		F findpk
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F allprefixes		F findwildcardfiles
F appendhash		F formatofsuffix
F automount		F formatofvariable
F booleanvariable		D formats
S cacheversion		F foundintree
F checkedvariable		F foundintrees
F cleanedpathlist		D generators
D cleaners		F get_from_content
F cleanpath		F getenv
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F cleanupbinfile		F getfilehashes
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S configbanner		F getownpath
F configurationfiles		F getreadfilename
D dangerous		D hashers
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F ignorelibrary	F repath
F initialized	F reset
F installinputfilehandler	F resetextrapaths
F installinputlinehandler	F resetresolve
F jobpath	F resolve
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F load	F scanfiles
F loadbinfile	F setdynamic
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F loadlualib	F showpath
F loadtexfile	F simplescanfiles
F loadtime	F splitconfigurationpath
F locateformat	F splitexpansions
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S luacnffallback	F splitpath
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S luacnfspec	F starttiming
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F methodhandler	D suffixmap
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D openers	F toppath
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F opentexfile	F unexpandedpath
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F popextrapath	F unresolve
F popinputname	F updatrelations
F poppath	F updatescript
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F pushextrapath	F usezipfile
F pushinputname	F validatedpath
F pushpath	F variable
F registerextrapath	F variableofformat
F registerfile	F variableofformatorsuffix
F registerfilehash	F wildcardpattern
F registerintrees	sandbox
F registermethod	table
F registerzipfile	F blockrequire
D relations	F disablelibraries
F renew	F disablerunners
F renewcache	F enable
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F filehandlertwo	F __tostring
F finalizer	F close
F getrunner	F open
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F register	F totable
F registerbinary	setinspector function
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D splitters	F readcardinal1
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F readcardinal4le	F try
F readcardinaltable	sorters table
F readcline	F basicsorter
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F readfixed2	F firstofsplit
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F readinteger1	F packuc
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F readinteger2le	F sort
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N _SOCKETINVALID	F checkfmtstatus
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F skip	F runtime
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F tracefunction		D shared	
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F getbalancestate		B strip	
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F geterrorlinestate		F collect	
F geterrorstate		F disable	
F getexpandstate		F enable	
F getfilestate		F flush	
F getfontstate		F initialize	
F gethalferrorlinestate		F push	
F gethashstate		F start	
F gethyphenationstate		F stop	
F getinputstate		F synchronize	
F getinsertstate		string <table border="0">table</table>	
F getlanguagestate		F autodouble	
F getlinebreakstate		F autosingle	
F getlookupstate		F booleanstring	
F getluastate		F byte	
F getmarkstate		F bytelpairs	
F getmvlstate		F bytes	
F getneststate		F bytetable	
F getnodestate		F char	
F getparameterstate		F characterpairs	
F getpoolstate		F characters	
F getreadstate		F checkedsplit	
F getsavestate		F chrtointeger	
F getsparsestate		F collapsespaces	
F getstringstate		F containsws	
F gettexystate		F count	
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F getwarningstate		F dump	
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F resetmessages		F escapedquotes	
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F allocate		F find	
F mark		F format	
F marked		F formatter	
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F fullstrip	F tounicode16
F gmatch	F toutf
F gsub	F toutf16
F hextocharacters	F toutf32
F hextointeger	F toutf8
F is_boolean	F tracedchar
F is_empty	F unescapedquotes
F itself	F unpack
F len	F unquote
F limit	F unquoted
F linetable	F upper
F longtostring	F utf16toutf8
F lower	F utfcharacter
F match	F utfcharacters
F nospaces	F utfcharactertable
F octtointeger	F utflength
F optionalquoted	F utfpadd
F pack	F utfpadding
F packrowscolumns	F utftabletostring
F packsize	F utfvalue
F quote	F utfvalues
F quoted	F utfvaluetable
F rep	F valid
F replacenewlines	F wordsplitter
F reverse	structures table
F split	F atlocation
F splitintolines	F currentsectionnumber
F splitlines	table table
F splitup	F append
F strip	F are_equal
F sub	F combine
F texhashed	F compact
F texnewlines	F concat
F tformat	F contains
F toHEX	F copy
F toboolean	F count
F tobbytes	F create
F tocontext	F derive
F todenc	F deserialize
F todimen	F fastcopy
F tohex	F fastserialize
F tonodes	F filtered
F topattern	F flattened
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F getn	F tofile
F has_one_entry	F tohandle
F hashed	F tohash
F identical	F toxml
F imerge	F unique
F imerged	F unpack
F insert	tex
F is_empty	table
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F load	D autoparagraphcodes
F loweredkeys	F badness
F makeweak	D badnessmodecodes
F merge	F balance
F merged	D balancecallbackcodes
F mirrored	D boxoptioncodes
F move	D breakcodes
F pack	D buildcodes
F prepend	D charactercontrolcodes
F print	D charaktertagcodes
F remove	F chardef
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F reversed	D classoptioncodes
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F setmetatableindex	N ctxcatcodes
F setmetatableindices	F definefont
F setmetatablenewindex	F dimensiondef
F sort	D directioncodes
F sorted	D directives
F sortedhash	D discriptioncodes
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F sortedhashonly	F dontcomplain
F sortedindexonly	D doublescriptoptioncodes
F sortedkeys	F enableprimitives
F sortedpairs	F error
F sparse	F expandasvalue
F strip	D experiments
F sub	F extraprimitives
F swapped	F fatalerror
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F tocsv	D flagcodes
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F fontname	F getemptyparagraphmodevalues
F forcehmode	F geterrorrecoverymodevalues
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F forceinputstateline	F getfillvalues
F fprintf	F getflagvalues
D frozenpcodes	F getfloat
F get	F getfontdimension
F getadjustoptionvalues	F getfontoffamily
F getalignmentcontextvalues	F getfrozenparvalues
F getamcode	F getglue
F getappendadjustcontextvalues	F getglueoptionvalues
F getappendmigratecontextvalues	F getglyphdata
F getattribute	F getglyphdiscvalues
F getautomigrationvalues	F getglyphoptionvalues
F getautoparagraphvalues	F getglyphprotectionvalues
F getbadnessmodevalues	F getglyphscales
F getbalancecallbackvalues	F getglyphscript
F getbalanceparameterfields	F getglyphstate
F getbalanceresultfields	F getgroupvalues
F getbalancestepoptionvalues	F gethccode
F getbox	F gethelptext
F getboxdir	F gethmcode
F getboxoptionvalues	F gethyphenationvalues
F getboxresourcebox	F getiftypes
F getboxresourcedimensions	F getinputstatefile
F getbreakcontextvalues	F getinputstateline
F getbuildcontextvalues	F getinputstatemode
F getcardinalvalue	F getinsertcategoryvalues
F getcatcode	F getinsertcontent
F getcccode	F getinsertdepth
F getcharactercontrolvalues	F getinsertdistance
F getcharactertagvalues	F getinsertheight
F getcount	F getinsertlimit
F getcurrentmvl	F getinsertmaxplaced
F getdelayedgluelocationvalues	F getinsertmultiplier
F getdelayedgluetargetvalues	F getinsertoptionvalues
F getdelcode	F getinsertsplitvalues
F getdelcodes	F getinsertwidth
F getdimen	F getintegervalue
F getdimensionvalue	F getinteraction
F getdirectionvalues	F getinteractionmodes
F getdisoptionvalues	F getiovalues
F getdiscpartvalues	F getkerneloptionvalues
F getdoublescriptoptionvalues	F getkernoptionvalues

F getlargestusedmark	F getnormalizelinevalues
F getlccode	F getnormalizeparvalues
F getlinebreakparameterfields	F getoutputactive
F getlinebreakresultfields	F getpacktypevalues
F getlinebreakstatevalues	F getpagecontextvalues
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F getlistanchorvalues	F getparagraphoptionvalues
F getlistfields	F getparametermodevalues
F getlistgeometryvalues	F getparcontextvalues
F getlistsignvalues	F getpardataspecifications
F getlocalbox	F getpardir
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F getlocallevel	F getparstate
F getmark	F getparstatefields
F getmarknames	F getpartriggervalues
F getmath	F getpenaltyoptionvalues
F getmathclassoptionvalues	F getpositivevalue
F getmathcode	F getprepoststatevalues
F getmathcodes	F getprimitivelegacies
F getmathcontrolvalues	F getprimitiveorigins
F getmathdir	F getprotrusionboundaryvalues
F getmathgluevalues	F getregisterindex
F getmathoptionvalues	F getruleoptionvalues
F getmathparametervalues	F getrunstate
F getmathscriptordervalues	F getrunstatevalues
F getmathscriptsmodevalues	F getsfcode
F getmathstylenamevalues	F getshapingpenaltiesvalues
F getmathstylevalues	F getskip
F getmathstylevariant	F getsnappingvalues
F getmathsurroundvalues	F getspecialmathclassvalues
F getmathvariantpresets	F getspecification
F getmathvariantvalues	F getspecificationoptionvalues
F getmeasure	F gettextcontrolvalues
F getmissingcharactervalues	F gettextdir
F getmode	F gettoks
F getmodevalues	F getuccode
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F getmuskip	F getunitclassvalues
F getmvloptionvalues	F getusedmarks
F getnest	F getvsplitcontextvalues
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F getnoadoptionvalues	D glyphoptioncodes

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F hashtokens	F overloadpermitted
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D insertcategorycodes	F popsavlevel
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D insertsplitedges	F preparelinebreak
F integerdef	F primitives
D interactioncodes	F print
F isattribute	D protrusionboundarycodes
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F iscount	F pushlocal
F isdefined	F pushsavlevel
F isdimen	F quitlocal
F isfloat	F quittoks
F isglue	F resetparagraph
F ismuglue	N rlncatcodes
F ismuskip	F romannumeral
F isprintable	F round
F isskip	D ruleoptioncodes
F istoks	F runlocal
F lastnodetype	D runstatecodes
F linebreak	F runstring
D linebreakstatecodes	F runtoks
D listanchorcodes	F saveboxresource
D listgeometrycodes	F scale
D listsigndes	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 mathscriptsmodedcodes	F setcardinalvalue
D modes	F setcatcode
F mprint	F setccode
D mvloptioncodes	F setconditional
N nilcatcodes	F setcount
D noadoptioncodes	F setdelcode
D normalizelinpcodes	F setdimen
D normalizeparcodes	F setdimensionvalue
N notcatcodes	F setfloat

F setglue	D splitcodes
F setglyphdata	F sprint
F setglyphscript	F stringtodesbitmap
F setglyphstate	D systemmodes
F sethccode	F takebox
F sethmcode	N texcatcodes
F setinputstatefile	D textcontrolcodes
F setinputstateline	F tonumber
F setinputstatemode	F toscaled
F setinsertcontent	N tpacatcodes
F setinsertdistance	N tpbcatcodes
F setinsertlimit	F tprint
F setinsertmaxplaced	F trackedattribute
F setinsertmultiplier	D trackers
F setintegervalue	F triggerbuildpage
F setinteraction	N txtcatcodes
F setlccode	F uprint
F setlinedir	F useboxresource
F setlist	D userdiscoptioncodes
F setlocalbox	D userglyphoptioncodes
F setmath	N vrbcatcodes
F setmathcode	F write
F setmathdir	texconditionals data table
F setmuglue	texconfig table
F setmuskip	S firstline
F setnest	S formatname
F setpardir	N functionsize
F setpositvalue	F init
F setrunstate	B kpse_init
F setsfcode	N propertysize
F setskip	S shell_escape
F settextdir	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

F writeselector	F getcmdname	
F writeselectorlf	F getcommand	
F writeselectornl	F getcommandvalues	
texisdefined	data table	F getconstant
texmodes		F getcsname
texsystemmodes	data table	F getcstoken
thirddata		F getdimension
toboolen	function	F getexpandable
todecimal	function	F getexpansion
token	table	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_cmdchrcs	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 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 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 scandinal
F push_macro	F scanchar
F pushmacro	F scancmdchr
F put_back	F scancmdchexpanded
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_curname	F scaninteger
F scan_delimited	F scanintegerargument
F scan_dimen	F scankey
F scan_float	F scankeyword
F scan_glue	F scankeywords
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	scantokencode		tonumber	function
F	scantokenlist		tostring	function
F	scantokenstring		tracers	table
F	scantoks		F	printerror
F	scanvalue		F	printwarning
F	scanword		F	showlines
F	serialize		trackers	table
F	set_dimension		D	data
F	set_integer		F	default
F	set_lua		F	disable
F	set_macro		F	dumphashoffile
F	setdimension		F	enable
F	setinteger		F	list
F	setlua		S	name
F	setmacro		F	register
F	setmacrofrommark		F	report
F	setmacrotonothing		F	reset
F	skip_next		F	savehash
F	skip_next_expanded		F	show
F	skipnext		F	value
F	skipnextexpanded		F	values
F	type		type	function
F	undefine_macro		typesetters	table
F	undefinemacro		F	marksuspects
tokens		table	F	showinvisibles
F	astable		F	showsuspects
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

F unescapeget		F char
userdata	table	S charpattern
utf	table	F codepoint
F byte		F codes
F bytelpairs		F len
F char		F offset
F characters		utilities
F chrlen		vector
F count		table
F filetype		table
F is_valid		F add
F len		F append
F length		F average
F lower		F ceiling
F remapper		F checkoverlap
F replacer		F collectoverlap
F split		F concat
F splitlines		F copy
F sub		F crossproduct
F substituter		F delete
F tocodes		F determinant
F toeight		F div
F toentities		F equal
F tostring		F exchange
F totable		F floor
F upper		F get
F usstring		F getdimensions
F utf16_to_utf8_be		F getepsilon
F utf16_to_utf8_be_t		F getmesh
F utf16_to_utf8_le		F getrc
F utf16_to_utf8_le_t		F getrow
F utf16_to_utf8_t		F getstacking
F utf32_to_utf8_be		F gettype
F utf32_to_utf8_be_t		F homogenize
F utf32_to_utf8_le		F identity
F utf32_to_utf8_le_t		F inner
F utf32_to_utf8_t		F insert
F utf8_to_utf16		F inverse
F utf8_to_utf16_be		F ismesh
F utf8_to_utf16_le		F issingular
F utf8_to_utf8_t		F isvector
F values		F iszero
F xstring		F meshname
utf8	table	F mul
		F negate
		F new

F normalize	F visualizestring
F onecolumn	F write
F onerow	F writeargument
F product	F writedefault
F remove	F writeemptyline
F replace	F writenewline
F round	F writespace
F rowechelon	warn
F set	xcomplex
F setepsilon	F I
F setnext	F __add
F setrc	F __div
F setstacking	F __eq
F slice	F __mul
F sort	S __name
F sub	F __pow
F swap	F __sub
F tostring	F __tostring
F totable	F __unm
F transpose	F abs
F triangulate	F acos
F truncate	F acosh
F type	F arg
visualizers	table
D escapepatterns	F asin
F getspecification	F asinh
F getvisualizer	F atan
F load	F atanh
F makenested	F conj
F makepattern	F cos
F newgrammar	F cosh
F newhandler	F dawson
F parsedxml	F erf
F pattern	F erfc
F register	F erfcx
F registerescapecommand	F erfi
F registerescapeline	F exp
F registerescapepattern	F i
S signal	F imag
U signalpattern	F log
D specifications	F new
F visualize	F pow
F visualizebuffer	F proj
F visualizefile	F real
	F sin

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	xmath
xdecimal	table
F __add	F acos
F __band	F acosh
F __bor	F asin
F __bxor	F asinh
F __div	F atan
F __eq	F atan2
F __idiv	F atanh
F __le	F cbrt
F __lt	F ceil
F __mod	F copysign
F __mul	F cos
S __name	F cosh
F __pow	F deg
F __shl	F erf
F __shr	F erfc
F __sub	F exp
F __tostring	F exp2
F __unm	F expm1
F abs	F fabs
F band	F fdim
F bor	F floor
F bxor	F fma
F conj	F fmax
F copy	F fmin
F exp	F fmod
F getprecision	F frexp
F ln	F gamma
F log	F hypot
F max	N inf
F min	F isfinite
F minus	F isnan
F new	F isninf
F plus	F isnormal
F pow	F j0
	F j1

F jn	F checkedempty
F ldexp	F checkerror
F lgamma	F checknamespace
F log	F checkns
F log10	F cleansed
F log1p	F collect
F log2	F collect_elements
F logb	F collect_tags
F modf	F collect_texts
N nan	F collected
F nearbyint	F collecttexts
F nextafter	F compactelement
N pi	F content
F pow	F convert
F rad	F copy
F remainder	F count
F remquo	F cprint
F round	S defaultprotocol
F scalbn	F delete
F sin	F delete_element
F sinh	F despecialized
F sqrt	F each
F tan	F each_element
F tanh	F elements
F tgamma	F elementtodata
F trunc	F empty
F y0	D entities
F y1	F erase
F yn	F errorhandler

xml table

F addentitiesdoctype	F escaped
F addspecialcode	F expand
F after	F fillin
F all	F filter
F applyxpath	F first
F applyselector	F found
F assign	F getbuffer
F attribute	F gethandlers
F badinclusions	F gethandlersfunction
F before	F include
F body	F inclusion
F cdata	F inclusions
F cdatatotext	F index
F checkbom	F inheritattributes
	F inheritedconvert

F inject	F registerentity
F inject_element	F registers
F inject_element_after	F reindex
F inject_element_before	F remap_name
F injectafter	F remap_namespace
F injectbefore	F remap_tag
F insert	F remapname
F insert_element	F remapnamespace
F insert_element_after	F remaptag
F insert_element_before	F rename
F insertafter	F renamespace
F insertbefore	U reparsedentitylpeg
F insertcdata	F replace
F insertcomment	F replace_element
F inspect	F resetinjectors
F is_valid	F resolvens
F kind	F root
F last	F save
F lastmatch	F selection
F load	F separate
F lpath	F serialize
F lpathcached	F serializetotext
F lpathcalls	F setcdata
F lshow	F setcomment
F makestandalone	F sethandlersfunction
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 tprint		F compresssize
F traverse		F crc32
F unescaped		F decompress
U unescapedentitylpeg		F decompresssize
F unprivatized	zip	table
F unspecialized		F closearchive
F wipe		F openarchive
F withelement	zlib	table
F withelements		F adler32
F wrap		F compress
xpcall	function	F compresssize
xzip	table	F crc32
F adler32		F decompress
F compress		F decompresssize

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	snaplist	function
mathnested	function	traversecharmethod	function
mathprocess	function	traverseglyphmethod	function
mathstep	function	traversehorizontal	function
snapindeed	function	traversevertical	function

images (context)

check	function	B crop
checksize	function	B media
copy	function	B none
create	function	B trim
embed	function	storeddata function
embedfromstore	function	totable function
fetchdata	function	types table
keys	table	N jbig2
print	function	N jp2
resetdata	function	N jpg
resetstore	function	N none
scan	function	N pdf
serialize	function	N png
sizes	table	N stream
B art		
B bleed		
		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

linkedlists data table

pages table

F setpagetransition

F setupcanvas

references table

F setclosedocumentaction

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	savedata	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
embedded	table	table
D collected		D collected
D tobesaved		D tobesaved
fileobj	table	positions
references		table
D collected		F b_column
D tobesaved		F b_region
files	table	F c
D collected		D collected
F context		F column
B forcerun		F columnofpos
F run		F copy
D tobesaved		F depth
getrandomseed	function	F e_column
initialize	function	F e_region
linkedlists	table	F enhance
D collected		F extra
D tobesaved		F get
load	function	F getcolumndata
loadother	function	F getfree
meshedup	table	F getpos
D collected		F getreserved
D tobesaved		F getrpos
objects	table	F getsync
D collected		F gettobesaved
F get		F getvpos
F number		F hangafter
F page		F hangindent
F save		F height
F set		F hsize
D tobesaved		N lastr
pack	boolean	N lastx
packversion	number	N lasty
pagestates	table	

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	id	function
clearhyphenation	function	new	function
clearpatterns	function	patterns	function
current	function	postexhyphenchar	function
gethjcode	function	posthyphenchar	function
has_language	function	preexhyphenchar	function
hyphenate	function	prehyphenchar	function
hyphenation	function	sethjcode	function
hyphenationmin	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	preehyphenchar	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	
explicithyphen	function	F handler	
exportlanguage	function	F set	
flatten	function	serializeddiscretionary	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 enable
B enables

F found
F load
N threshold

layouts (context)

getcanvas function
getpagedimensions function
setupcanvas function

status table
F isleftpage
F leftorrightpageaction

lfs (extra lua)

attributes	overloaded function	link	overloaded function
chdir	overloaded function	mkdir	overloaded function
currentdir	function	mkdirs	function
dir	overloaded function	modification	function
isdir	overloaded function	readlink	function
isfile	overloaded function	rmdir	overloaded function
isfound	function	setexecutable	function
isreadabledir	function	symlink	function
isreadablefile	function	symlinktarget	function
iswriteabledir	function	touch	overloaded function
iswriteablefile	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	lmxfile	function
convert	function	loadedfile	function
convertfile	function	make	function
convertstring	function	new	function
einject	function	popupfile	function
eprint	function	print	function
escape	function	pv	function
finalized	function	report	function
finject	function	reset	function
fprint	function	result	function
get	function	set	function
getvariables	function	show	function
htmfile	function	stripcss	function
html	table	tv	function
F a		type	function
F td		urlescape	function
F th		variable	function
include	function	variables	table
inherited	table	S color-background-blue	
S color-background-four		S color-background-body	
S color-background-one		S color-background-green	
S color-background-three		S color-background-main	
S color-background-two		S color-background-purple	
S title		S color-background-yellow	
initialize	function	S title-default	
inject	function		

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	starterrorlogging	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		lastreferreddpage	function
formats	data table	layerreference	function
frombytes	function	limited	function
fromeight	function	linearshade	function
frompdfdoc	function	literal	function
fromsixteen	function	majorversion	function
getcatalog	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	firstofsplitsplit	function
C	function	frontstripper	function
Carg	function	instrstringchecker	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	secondofsplitsplit	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)

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

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
bardinclusions	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	ifatempty	function
context	function	include	function
convert	function	inclusion	function
count	function	inclusions	function
delete	function	index	function
depth	function	inlineverbatim	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
displayverbatim	function	loaddata	function
doif	function	loaded	table
doifelse	function	main	function
doifelseempty	function	match	function
doifelsestext	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	sorters	table
raw	function	F add	
rawroot	function	F compare	
rawtex	function	F flush	
refatt	function	F reset	
register	function	F show	
registerentity	function	F sort	
removesetup	function	splitid	function
replace	function	starraw	function
resetcdata	function	startunescape	function
resetsetups	function	stopraw	function
resolvedentity	function	stopunescape	function
root	function	store	function
save	function	strip	function
serialize	function	stripped	function
setaction	function	tag	function
setatt	function	texatt	function
setattribute	function	text	function
setcdata	function	tobuffer	function
setcommandtonone	function	tofile	function
setcommandtotext	function	toparameters	function
setpar	function	toverbatim	function
setparam	function	verbatim	function
setparameter	function	withindex	function
setup	function	xmltexhandler	data table
snippet	function		

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
classnames	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 radicaldegreeanchors
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	sum	function
dec	function	sumHEXA	function
hex	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
execetime	table	F interpolate	
extensiondata	data table	F topath	
filterclippath	function	mptopdf	table
flush	function	F convertmpstopdf	
flushers	table	Nnofconverted	
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	quitonerror	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	svgglyphomp 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
N unknownstring
N unsuffixedmacro
N vacuous

typesvgpage function
unload function
untagvariable function
variables table

mime (context)

b64	function	qpwrp	function
decode	function	report	function
decodet	table	stuff	function
	F base64	unb64	function
	F quoted-printable	unqp	function
dot	function	wrap	function
encode	function	wrapt	table
encodet	table		F base64
	F base64		F default
	F quoted-printable		F quoted-printable
eol	function		F text
normalize	function	wrp	function
qp	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 fprintf		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 quadrupolepoints		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 quadrupolepoints	F token
F quoted	F transform
F size	F whatever
F string	set
F transform	setbytemap
F triplet	setbytemapoctave
F tripletpoints	size
F vprint	skip
processbytemap	function
processingmode	function
quadruple	function
quadrupolepoints	function
quoted	function
report	function
scan	table
F boolean	F token
F cmykcolor	solve
	string
	systemmode
	transform
	triplet
	tripletpoints
	vprint

mplib (extra tex)

downgradebytemap	function	injectinteger	function
downsamplebytemap	function	injectnumber	function
execute	function	injectnumeric	function
expandtex	function	injectpair	function
fillbytemap	function	injectpath	function
finder	function	injectstring	function
finders	table	injecttransform	function
F file		injectvector	function
F mpstemplate		injectvectors	function
finish	function	injectwhatever	function
getbytemap	function	new	overloaded function
getbytemapdata	function	newbytemap	function
getcallbackstate	function	peninfo	function
getcodes	function	processbytemap	function
getcolormodels	function	propertycodes	table
getfields	function	realtimelogging	boolean
gethashentries	function	scanboolean	function
gethashentry	function	scancmykcolor	function
getinternalactions	function	scancolor	function
getknotstates	function	scanexpression	function
getlastaddtype	function	scaninteger	function
getlogtargets	function	scannext	function
getobjectdata	function	scannumber	function
getobjectpeninfo	function	scannumeric	function
getobjectstacking	function	scangepair	function
getobjecttypes	function	scanpath	function
getpruneoptions	function	scanpen	function
getresultstatus	function	scanproperty	function
getscaledbits	function	scanstring	function
getscantypes	function	scansymbol	function
getstates	function	scantoken	function
getstatistics	function	scantransform	function
getstatus	function	setbytemap	function
gettolerance	function	setbytemapoctave	function
gettype	function	settolerance	function
gettypes	function	showcontext	function
injectboolean	function	skiptoken	function
injectcmykcolor	function	solvepath	function
injectcolor	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 gettop
F getinputfields	F gettopdelimiter
F getkern	F gettotal
F getkerndimension	F getusage
F getlanguage	F getusedattributes
F getleader	F getweight
F getleftdelimiter	F getwhd
F getlist	F getwidth
F getlistdimensions	F getwordrange
F getmvllist	F getxscale
F getnaturalwhd	F getxyscales
F getnext	F getyscale
F getnodeerrorvalues	F gluetostring
F getnodes	F hasattribute
F getnormalizedline	F hasdimensions
F getnucleus	F hasdiscription
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 getpropertiestable	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 ischardisc
F getscript	F isdirect
F getscripts	F isfontcheck
F getshift	F isglyph
F getslant	F isitalicglyph
F getspeciallist	F isloop
F getstate	F isnext
F getsub	F isnextchar
F getsubpre	F isnextcharcheck
F getsubtype	F isnextglyph
F getsup	F isnode
F getsuppre	F isprev

F isprevchar	F setboth
F isprevcharcheck	F setbottom
F isprevglyph	F setbottomdelimiter
F issimilarglyph	F setbox
F issnapped	F setchar
F isspeciallist	F setchardict
F isvalid	F setchoice
F iszero glue	F setclass
F kerning	F setcontrol
F lastnode	F setcurrenttail
F length	F setdata
F ligaturing	F setdegree
F makeextensible	F setdelimiter
F markglyphprocessing	F setdenominator
F migrate	F setdepth
F mlisttohlist	F setdirection
F naturalhsize	F setdisc
F naturalwidth	F setdiscpart
F new	F setexcept
F newcontinuationatom	F setexpansion
F newfontcheck	F setfam
F newmathglyph	F setfield
F newtextglyph	F setfielderror
F patchattributes	F setfont
F patchparshape	F setfontcheck
F prependbeforehead	F setgeometry
F prependcurrenttail	F setglue
F protectglyph	F setglyphdata
F protectglyphs	F setheight
F protectglyphsbase	F setindex
F protectglyphsnone	F setinputfields
F protrusionskippable	F setkern
F rangedimensions	F setlanguage
F remove	F setleader
F removefromlist	F setleftdelimiter
F repack	F setlink
F reverse	F setlist
F samefontcheck	F setnext
F serialized	F setnucleus
F setanchors	F setnumerator
F setattribute	F setoffsets
F setattributelist	F setoptions
F setattributes	F setorientation
F setattributesinlist	F setpenalty

F setpost	F traverseid
F setpre	F traverseitalic
F setprev	F traverseleader
F setprime	F traverselist
F setproperty	F traversepossible
F setreplace	F type
F setrightdelimiter	F types
F setruledimensions	F unprotectglyph
F setscale	F unprotectglyphs
F setscales	F unsetattribute
F setscript	F unsetattributes
F setscripts	F updatefirstbotmark
F setshift	F updatefirstmarks
F setslant	F updatemarks
F setsnapped	F updatetopmarks
F setspeciallist	F usedlist
F setsplit	F usesfont
F setstate	F vbalance
F setsub	F verticalbreak
F setsubpre	F vpack
F setsubtype	F write
F setsup	F xscaled
F setsuppre	F yscaled
F settop	effectiveglue function
F settopdelimited	endofmath function
F settotal	family_font function
F setweight	fields function
F setwhd	findattribute function
F setwidth	flattendiscretionaries function
F show	flushlist function
F size	flushnode function
F slide	free function
F softenhypens	getattribute function
F startofpar	getcachestate function
F subtypes	getfield function
F tail	getfielderror function
F todirect	getglue function
F tonode	getnodeerrorvalues function
F tostring	getpropertieshtable function
F tovaliddirect	getproperty function
F traverse	gluetostring function
F traversechar	hasattribute function
F traversecontent	hasfield function
F traverseglyph	hasglyph function

hpack	function	setfield	function
hyphenating	function	setfielderror	function
id	function	setglue	function
insertafter	function	setProperty	function
insertbefore	function	show	function
instock	function	size	function
intracking	function	slide	function
inuse	function	subtypes	function
isnode	function	tail	function
iszeroglue	function	todirect	function
kerning	function	tonode	function
lastnode	function	toString	function
length	function	traverse	function
ligaturing	function	traverseid	function
makeextensible	function	type	function
mlisttohlist	function	types	function
new	function	unprotectglyph	function
protectglyph	function	unprotectglyphs	function
protectglyphs	function	unsetattribute	function
protrusionskipable	function	usedlist	function
rangedimensions	function	usesfont	function
remove	function	vpack	function
serialized	function	write	function
setattribute	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 backgroundspage	
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	append	
insertbefore	function	appendaftertail	
insertlistafter	function	apply	
installattributehandler	function	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 getfontcheck
F firstitalicglyph	F getgeometry
F flattendiscretionaries	F getglue
F flattenleaders	F getglyphdata
F flush	F getglyphdimensions
F flushlist	F getheight
F flushnode	F getid
F free	F getidsubtype
F freeze	F getidsubtypenext
F fullhpack	F getindex
F getanchors	F getinputfields
F getattr	F getkern
F getattribute	F getkerndimension
F getattributelist	F getlang
F getattributes	F getlanguage
F getattrlist	F getleader
F getattrs	F getleftdelimiter
F getboth	F getlist

F getlistdimensions	F getwidth
F getmiddle	F getwordrange
F getmiddledelimiter	F getxscale
F getmvllist	F getysscales
F getnaturalwhd	F getyscale
F getnext	F gluetostring
F getnormalizedline	F hasattribute
F getnucleus	F hasdimensions
F getnumerator	F hasdiscription
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 ischarcheck
F getscales	F isdirect
F getscript	F isdone
F getscripts	F isglyph
F getshift	F isitalicglyph
F getslant	F isnext
F getspeciallist	F isnextchar
F getstate	F isnextcharcheck
F getsub	F isnextglyph
F getsubpre	F isnode
F getsubtype	F isnut
F getsup	F isprev
F getsuppre	F isprevchar
F getsurround	F isprevcharcheck
F gettop	F isprevglyph
F gettopdelimiter	F issimilarglyph
F gettotal	F issnapped
F getusedattributes	F iszeroglue
F getvalue	F kerning
F getweight	F lastnode
F getwhd	F length

F ligaturing	F setatrrs
F link	F setattrsinlist
F linked	F setboth
F locate	F setbottom
F migrate	F setbox
F migratebox	F setboxglue
F mlisttohlist	F setchar
F naturalhsize	F setchardict
F naturalwidth	F setchoice
F nestedtracedslide	F setclass
F new	F setcomponents
F newcontinuationatom	F setdata
F newfontcheck	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 setfontcheck
F rangedimensions	F setgeometry
F rawprop	F setglue
F reference	F setglyphdata
F rehpack	F setheight
F remove	F setinputfields
F removefromlist	F setkern
F repack	F setlang
F repackhlist	F setlanguage
F replace	F setleader
F reverse	F setleftdelimiter
F serialized	F setlink
F setanchors	F setlist
F setattr	F setmiddledelimiter
F setattrattribute	F setnext
F setattrattributelist	F setnucleus
F setattrattributes	F setnumerator
F setattrattributesinlist	F setoffsets
F setattrlist	F setoptions

F setorientation	F takeattr
F setparproperty	F takebox
F setpenalty	F takelist
F setpost	F theprop
F setpre	F tonode
F setprev	F tonodes
F setprime	F tonut
F setprop	F tosequence
F setreplace	F tostring
F setrightdelimiter	F tracedslide
F setruledata	F traverse
F setruledimensions	F traversechar
F setscale	F traversecontent
F setscales	F traverseglyph
F setscript	F traverseid
F setscripts	F traverseitalic
F setshift	F traverseleader
F setslant	F traverselist
F setsnapped	F traversepossible
F setspeciallist	F unprotectglyph
F setsplit	F unprotectglyphs
F setstate	F unsetattribute
F setsub	F unsetattributes
F setsuppre	F untracedslide
F setsubtype	F updatefirstandbotmark
F setsup	F updatefirstmarks
F setsuppre	F updatemarks
F setsurround	F updatetopmarks
F settop	F usedlist
F setvalue	F usesfont
F setvisual	F verticalbreak
F setvisuals	F vianodes
F setweight	F vianuts
F setwhd	F vpack
F setwidth	F write
F show	F xscaled
F slide	F yscaled
F softenhypens	packlist
F somepenalty	function
F somespace	parcodes
F splitbox	data table
F startofpar	penaltycodes
F striprange	data table
F tail	plugindata
	table
	F finalizer
	F initializer
	S name

F processor		F userrule	
points	function	serialize	function
pool	table	serializebox	function
F baselineskip		serialized	function
F cleanup		setattr	function
F directliteral		setattribute	function
F glyph		setattrlist	function
F hlist		setboth	function
F latelua		setbox	function
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	
repack	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

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

number (context)

	function	to16dot16	function
basepoints	function	tobasepoints	function
bytetodecimal	function	tobitstring	function
compactfloat	function	tocentimeters	function
decimaltobyte	function	tociceros	function
dimenfactors	data table	tocontext	function
formatted	function	todidots	function
formattedfloat	function	todimen	function
fractiontobyte	function	toediths	function
idiv	function	toevenhex	function
maxdimen	number	toinches	function
nopts	function	tomillimeters	function
nubasepoints	function	tonumberf	function
nupoints	function	tonumberg	function
percent	function	topicas	function
points	function	topoints	function
pts	function	toscaled	function
signed	function	toscaledpoints	function
sparseexponent	function	totoves	function
splitdimen	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	library	table
F escape		F load	
F fetch		loaded	table
F getversion		lz4	table
F initialize		F compress	
F unescape		F decompresssize	
foreign	table	F framecompress	
F abivalue		F framedecompress	
F getbuffer		F initialize	
F initialize		lzma	table
F load		F compress	
F newbuffer		F decompress	
F totable		F initialize	
F types		lzo	table
ghostscript	table	F compress	
F execute		F decompresssize	
F initialize		F initialize	
graphicsmagick	table	muj	table
F execute		F dofile	
F getnoisetypes		F execute	
F initialize		F initialize	
hb	table	F reset	
F getshapers		F setclosefile	
F getversion		F setconsole	
F initialize		F setfindfile	
F loadfont		F setopenfile	
F shapestring		F setreadfile	
imagemagick	table	F setseekfile	
F execute		mysql	table
F initialize		F close	
kpse	table	F execute	
F expand_braces		F getmessage	
F expand_path		F initialize	
F expand_var		F open	
F find_file		openssl	table
F find_files		F getversion	
F get_file_types		F initialize	
F initialize		F sign	
F readable_file		F verify	
F set_program_name		postgress	table
F var_value		F close	

F execute
F getmessage
F initialize
F open
sqlite **table**
F close
F execute
F getmessage
F initialize

F open
zint **table**
F execute
F initialize
zstd **table**
F compress
F decompress
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	validdate	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
extraluapath	function	popluapath	function
extraluapaths	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 presheets
F prespreadsheets
F put
F putdirect
F registerarea
F registersheet
F registerspreadsheets
F reset
F resetdirect

F reshape

F setarea

F setextra

F sethsize

F sethspan

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

pdfe (extra tex)

arraytotable	function	getnumber	function
close	function	getobjectrange	function
closestream	function	getpage	function
dictionarytotable	function	getpages	function
getarray	function	getpermissions	function
getboolean	function	getsize	function
getbox	function	getstatus	function
getcatalog	function	getstatusvalues	function
getdictionary	function	getstream	function
getencodingvalues	function	getstring	function
getfieldtypes	function	gettrailer	function
getfromarray	function	getversion	function
getfromdictionary	function	new	function
getfromobject	function	open	function
getfromreference	function	openfile	function
getfromstream	function	openstream	function
getinfo	function	pagestotable	function
getinteger	function	readfromstream	function
getmemoryusage	function	readwholestream	function
getname	function	type	function
getnofobjects	function	unencrypt	function
getnofpages	function		

physics (context)

units table

F registershortcut

F registerunit

D tables

pngdecode (extra tex)

applyfilter	function	reduce	function
expand	function	splitmask	function
interlace	function	tocmyk	function
makemask	function	tomask	function

posit (extra lua)

<code>NaN</code>	function	<code>exp2</code>	function
<code>NaR</code>	function	<code>expand</code>	function
<code>_add</code>	function	<code>floor</code>	function
<code>_band</code>	function	<code>frombyte</code>	function
<code>_bor</code>	function	<code>fromchar</code>	function
<code>_bxor</code>	function	<code>fromposit</code>	function
<code>_div</code>	function	<code>integer</code>	function
<code>_eq</code>	function	<code>log</code>	function
<code>_le</code>	function	<code>log10</code>	function
<code>_lt</code>	function	<code>log1p</code>	function
<code>_mul</code>	function	<code>log2</code>	function
<code>_name</code>	string	<code>logb</code>	function
<code>_pow</code>	function	<code>max</code>	function
<code>_shl</code>	function	<code>min</code>	function
<code>_shr</code>	function	<code>modf</code>	function
<code>_sub</code>	function	<code>new</code>	function
<code>_tostring</code>	function	<code>pow</code>	function
<code>_unm</code>	function	<code>rotate</code>	function
<code>abs</code>	function	<code>round</code>	function
<code>acos</code>	function	<code>rounded</code>	function
<code>asin</code>	function	<code>shift</code>	function
<code>atan</code>	function	<code>sin</code>	function
<code>band</code>	function	<code>sqrt</code>	function
<code>bor</code>	function	<code>tan</code>	function
<code>bxor</code>	function	<code>tobyte</code>	function
<code>ceil</code>	function	<code>tochar</code>	function
<code>conj</code>	function	<code>tonumber</code>	function
<code>copy</code>	function	<code>toposit</code>	function
<code>cos</code>	function	<code>tostring</code>	function
<code>exp</code>	function		

potrace (extra tex)

checked	function	getnewfields	function
concat	function	getpolicyvalues	function
contourplot	function	getprocessfields	function
convert	function	new	function
count	function	process	function
flush	function	setbitmap	function
free	function	stripped	function
fromfile	function	totable	function
getbitmap	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			
F sequential		datasets	table
F sequentialshort		detailed	table
F short		endnotes_to_btx	function
authormap	data table	enhancer	table
authortoregister	function	S arguments	
btx	table	B dirty	
casters	table	N steps	
F author		enhancers	table
F keyword		F details	
F pagenumber		F order	
F range		F suffixes	
checkeddataset	function	finder	function
citevariants	table	firstofrange	function
F author		found	function
F authornum		get	function
F authoryear		getcasted	function
F authoryears		getdetail	function
F category		getdirect	function
F default		getfaster	function
F entry		getfield	function
F index		getfuzzy	function
F keywords		getindex	function
F num		inspectors	data table
F page		journals	table
F short		F abbreviated	
F tag		F add	
F textnum		F expanded	
F year		F load	
collected	data table	F save	
components	table	lastofrange	function
F author		lists	table
		F collectentries	

F combiniinlist		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
oneorrange	function	F author	
parenttag	function	F string	
permitted	function	useddataset	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	installinfilehandler	function
expandedpathfromlist	function	installinplinehandler	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	variableofformatsuffix	function
validatedpath	function	wildcardpattern	function
variable	function		

sandbox (context)

blockrequire	function	possiblepath	function
disablelibraries	function	redefine	function
disablerunners	function	register	function
enable	function	registerbinary	function
filehandlerone	function	registerlibrary	function
filehandlertwo	function	registerroot	function
finalizer	function	registerrunner	function
getrunner	function	report	function
initializer	function	setfilename logger	function
iohandler	function	setlogger	function
logcalls	function	setreporter	function
logfiles	function	settrace	function
original	function	validfilename	function
overload	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	open	function
_name	string	send	function
_tostring	function	tostring	function
close	function	write	function

set (context)

contains function
create function
tolist function

tonumber function
totable function

sha2 (extra lua)

HASH256	function	hash256	function
HASH384	function	hash384	function
HASH512	function	hash512	function
HEX256	function	hex256	function
HEX384	function	hex384	function
HEX512	function	hex512	function
digest256	function	sum256	function
digest384	function	sum384	function
digest512	function	sum512	function

sio (extra lua)

read2dot14	function	readinteger1le	function
readbytes	function	readinteger2	function
readbytetable	function	readinteger2le	function
readcardinal1	function	readinteger3	function
readcardinal1le	function	readinteger3le	function
readcardinal2	function	readinteger4	function
readcardinal2le	function	readinteger4le	function
readcardinal3	function	readintegertable	function
readcardinal3le	function	tocardinal1	function
readcardinal4	function	tocardinal1le	function
readcardinal4le	function	tocardinal2	function
readcardinaltable	function	tocardinal2le	function
readcline	function	tocardinal3	function
readcstring	function	tocardinal3le	function
readfixed2	function	tocardinal4	function
readfixed4	function	tocardinal4le	function
readinteger1	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	firstofsplit	function
comparers	table	packch	function
F basic		packuc	function
constants	table	replacementlist	function
S defaultdigits		setlanguage	function
S defaultlanguage		sort	function
S defaultmethod		splitters	table
N digitsmaximum		F utf	
N digitsoffset		strip	function
N ignoredoffset		tracers	data table
N replacementoffset		update	function
definitions	data table		

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

string (basic lua)

autodouble	function	optionalquoted	function
autosingle	function	pack	function
booleanstring	function	packrowscolumns	function
byte	function	packsize	function
bytelpairs	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	splitintolines	function
chrtointeger	function	splitlines	function
collapsespaces	function	splitup	function
containsws	function	strip	function
count	function	sub	function
dectointeger	function	texhashed	function
dump	function	texnewlines	function
escapedpattern	function	tformat	function
escapedquotes	function	toHEX	function
f6	function	toboolean	function
find	function	tobytes	function
format	function	tocontext	function
formatter	function	todec	function
formatters	function	todimen	function
fullstrip	function	tohex	function
gmatch	function	tonodes	function
gsub	function	topattern	function
hashes	table	totable	function
hextocharacters	function	tounicode16	function
hextointeger	function	toutf	function
is_boolean	function	toutf16	function
is_empty	function	toutf32	function
itself	function	toutf8	function
len	function	tracedchar	function
limit	function	unescapedquotes	function
linetable	function	unpack	function
longtostring	function	unquote	function
lower	function	unquoted	function
match	function	upper	function
nospaces	function	utf16toutf8	function
octtointeger	function	utfcharacter	function

utfcharacters	function	utfvalue	function
utfcharactertable	function	utfvalues	function
utflength	function	utfvaluetable	function
utfpadd	function	valid	function
utfpadding	function	wordsplitter	function
utftabletostring	function		

structures (context)

atlocation	function	F reset
blocks	table	F restart F restore F save F set F setlevel F setoffset F setown F setstate F setvalue F subs D tobesaved F uservariable
bookmarks	table	F value F way
		currentsectionnumber function
		descriptions table
		documents table
		D data F initialize F preset F reset
		floats table
		formulas table
counters	table	helpers table
		F analyze F formulanoumber F merged F page F pageofinternal F prefix F prefixlastpage F prefixpage F simplify F title F touserdata
		inserts table
		F attach D data F define F detach F getdata

F getlocation		F rawuserpage
F getname		F realpage
F getnumber		F reorder
F nodedetached		F reordered
F setlocation		F savedlistnumber
F setup		F savedlistprefixednumber
D stored		F savedlisttitle
itemgroups	table	D sectionblocks
D collected		F size
D tobesaved		F title
lists	table	D tobesaved
F addto		F use
F analyze		F userdata
F bookmark		F userpage
D cached		F uservalue
D collected		marks table
F discard		F number
F enhance		F title
F external		notes table
F filter		F checkpagechange
F formulanoumber		F define
F getresult		F flushrange
F groupindex		F get
F hasnumberdata		F getdeltapage
F haspagedata		F getinternal
F hastitledata		F getn
F integrate		F getstate
F iscached		F getstorecount
D kinds		F getstoreflushed
F label		F hascontent
F location		F internal
D names		F internalid
F number		F listindex
D ordered		D numbers
F page		F ordered
F popnesting		F postpone
F prefix		F resetpostponed
F prefixednumber		F restore
F prefixedpage		F save
F process		F setstate
D pushed		D states
F pushnesting		F store
F rawnumber		pages table
F rawrealpage		F allmarked

F analyze	F getcurrentprefixspec
D collected	F getinnermethod
F fraction	F getinternalcachedlistreference
F getlabels	F getinternalalistreference
F in_body	F getinternalreference
F is_odd	F getoutermethod
F mark	D handlers
F marked	F identify
F markedlist	F import
N numpages	F inject
F number	F injectcurrentset
F on_right	S innermethod
F save	F integrate
D tobesaved	D internals
F toranges	F load
references	table
F analyze	F loadpresets
F checked	F mark
F checkedfile	S outermethod
F checkedfileorurl	F pagefromhash
F checkedprogram	D pages
F checkedrealpage	U prefixsplitter
F checkedurl	D productdata
D collected	F realpageofpage
U componentsplitter	F referenced
F currentmetadata	U referencesplitter
F currentorder	D referred
D currentset	F referredpage
F define	F registerfinalizer
D defined	F registerinitializer
D derived	F registerpage
F enhance	F reset
D executers	D runners
F export	F set
F filter	F setandgetattribute
F filterdefault	F setinternalreference
D filters	F setlinkmethod
D flaginternals	F setnextinternal
F forceinnermode	F setnextorder
F from	F setreferencerealpage
D functions	F setstructure
F get	D specials
F getcurrentlabel	F splitcomponent
F getcurrentmetadata	F splitprefix
	F splitreference

F synchronizepage		F getcurrentlevel	
D tobereferrer		F getlevel	
D tobesaved		F getnumber	
D tracedpages		F internalreference	
D usedinternals		D levelmap	
D usedviews		D levels	
F valid		F matchingtilldepth	
registers		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	
sections		table	
F autodepth		F define	
F cct		F get	
D collected		F getall	
F current		D setlist	
F currentblock		specials	
F currentid		table	
F currentlevel		D collected	
F currentsectionindex		F retrieve	
F depthnumber		F store	
F finddata		D tobesaved	
F findnumber		synonyms	
F fullnumber		table	
		F analyzed	
		D collected	
		F compare	

F define	F initializeexport
F enhance	D labels
F filter	F last
F finalize	F lastinchain
F firstuserpage	F localexport
F flush	F locatedtag
F isshown	D overloads
F isused	F pop
F meaning	D properties
F pages	F push
F prepare	F registerextradata
F process	F registermetadata
F register	F restart
F registershow	F setaspect
F registerused	F setattributehash
F reset	F setcodepoint
F resetall	F setcombination
F resetlist	F setcombinationpair
F resetshow	F setconstruct
F resetused	F setdescriptionindex
F sort	F setfigure
F synonym	F setfloat
D tobesaved	F setformulacontent
F userpages	F sethighlight
tags	table
F analyze	F setitem
F checknesting	F setitemgroup
F current	F setmpgraphic
F elementtag	F setnotation
F enabled	F setnotationsymbol
F exportbox	F setparagraph
F finishexport	F setproperty
F getdescriptionindex	F setpublication
F getextradata	F setregister
F getid	F setsorting
F getitemgroup	F setsynonym
F getmetadata	F settablecell
F getoption	F settabulatecell
F getsorting	F settagdelimitedsymbol
F getsynonym	F settagsubsentencesymbol
F gettablecell	F setupexport
F gettabulatecell	F setuserproperties
F gettagreferencedescription	D specifications
F handler	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	setmetatablenewlineindex	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	directives	data table
attribute	table	discriptioncodes	data table
attributetracking	function	discpartcodes	data table
automigrationcodes	data table	dontcomplain	function
autoparagraphcodes	data table	doublescriptoptioncodes	data table
badness	function	enableprimitives	function
badnessmodecodes	data table	error	function
balance	function	expandasvalue	function
balancecallbackcodes	data table	experiments	data table
boundaries	table	extraprimitives	function
D names		fatalerror	function
D numbers		fillcodes	data table
F system		flagcodes	data table
box	table	fontidentifier	function
boxoptioncodes	data table	fontname	function
boxresources	table	forcechmode	function
F getbox		forceinputstatefile	function
F getdimensions		forceinputstateline	function
F save		fprint	function
F use		frozenparcodes	data table
breakcodes	data table	get	function
buildcodes	data table	getadjustoptionvalues	function
catcode	table	getalignmentcontextvalues	function
cccode	table	getamcode	function
charactercontrolcodes	data table	getappendadjustcontextvalues	function
charertagcodes	data table	getappendmigratecontextvalues	function
chardef	function	getattribute	function
checkdelayedglue	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

getcardinalvalue	function	getinsertcategoryvalues	function
getcatcode	function	getinsertcontent	function
getccccode	function	getinsertdepth	function
getcharactercontrolvalues	function	getinsertdistance	function
getcharactertagvalues	function	getinsertheight	function
getcount	function	getinsertlimit	function
getcurrentmvl	function	getinsertmaxplaced	function
getdelayedgluelocationvalues	function	getinsertmultiplier	function
getdelayedgluetargetvalues	function	getinsertoptionvalues	function
getdelcode	function	getinsertsplitvalues	function
getdelcodes	function	getinsertwidth	function
getdimen	function	getintegervalue	function
getdimensionvalue	function	getinteraction	function
getdirectionvalues	function	getinteractionmodes	function
getdiscptionvalues	function	getiovalues	function
getdiscpartvalues	function	getkerneloptionvalues	function
getdoublescriptoptionvalues	function	getkernoptionvalues	function
getemptyparagraphmodevalues	function	getlargestusedmark	function
geterrorrecoverymodevalues	function	getlccode	function
geterrorvalues	function	getlinebreakparameterfields	function
getfillvalues	function	getlinebreakresultfields	function
getflagvalues	function	getlinebreakstatevalues	function
getfloat	function	getlinedir	function
getfontdimension	function	getlist	function
getfontoffamily	function	getlistanchorvalues	function
getfrozenparvalues	function	getlistfields	function
getglue	function	getlistgeometryvalues	function
getglueoptionvalues	function	getlistsignvalues	function
getglyphdata	function	getlocalbox	function
getglyphdiscvalues	function	getlocalboxlocations	function
getglyphoptionvalues	function	getlocallevel	function
getglyphprotectionvalues	function	getmark	function
getglyphscales	function	getmarknames	function
getglyphscript	function	getmath	function
getglyphstate	function	getmathclassoptionvalues	function
getgroupvalues	function	getmathcode	function
gethccode	function	getmathcodes	function
gethelptext	function	getmathcontrolvalues	function
gethmcode	function	getmathdir	function
gethyphenationvalues	function	getmathgluevalues	function
getiftypes	function	getmathoptionvalues	function
getinputstatefile	function	getmathparametervalues	function
getinputstateline	function	getmathscriptordervalues	function
getinputstatemode	function	getmathscriptsmodevalues	function

getmathstylevalues	function	getshapingpenaltiesvalues	function
getmathstylevariant	function	getskip	function
getmathsurroundvalues	function	getsnappingvalues	function
getmathvariantpresets	function	getspecialmathclassvalues	function
getmathvariantvalues	function	getspecification	function
getmeasure	function	getspecificationoptionvalues	function
getmissingcharactervalue	function	gettextcontrolvalues	function
getmode	function	gettextdir	function
getmodevalues	function	gettoks	function
getmuglue	function	getuccode	function
getmuskip	function	getuleaderlocationvalues	function
getmvloptionvalues	function	getunitclassvalues	function
getnest	function	getusedmarks	function
getnestfields	function	getvsplitcontextvalues	function
getnestlevel	function	glue	table
getnoadoptionvalues	function	glueoptioncodes	data table
getnormalizelinevalues	function	glyphdiscodes	data table
getnormalizeparvalues	function	glyphoptioncodes	data table
getoutputactive	function	groupcodes	data table
getpacktypevalues	function	hashtokens	function
getpagecontextvalues	function	hccode	table
getpagestate	function	hmcode	table
getpagestatevalues	function	hshcatcodes	number
getparagraphoptionvalues	function	hyphenationcodes	data table
getparametermodevalues	function	ifs	data table
getparcontextvalues	function	inicatcodes	number
getpardataspecifications	function	insertcategorycodes	data table
getpardir	function	insertoptioncodes	data table
getparmodevalues	function	insertsplitcodes	data table
getparstate	function	integerdef	function
getparstatefields	function	interactioncodes	data table
getpartriggervalues	function	isattribute	function
getpenaltyoptionvalues	function	isbox	function
getpositivalue	function	iscount	function
getprepoststatevalues	function	isdefined	function
getprimitivelegacies	function	isdimen	function
getprimitiveorigins	function	isfloat	function
getprotrusionboundaryvalues	function	isglue	function
getregisterindex	function	ismuglue	function
getruleoptionvalues	function	ismuskip	function
getrunstate	function	isprintable	function
getrunstatevalues	function	isskip	function
getsfcode	function	istoks	function
		lastnodetype	function

lccode	table	N maxdatatype
linebreak	function	N maxdimen
linebreakstatecodes	data table	N maxdimenregisterindex
listanchorcodes	data table	N maxdimension
listgeometrycodes	data table	N maxdimensionregisterindex
lists	table	N maxendlinecharacter
listsigncodes	data table	N maxfloatregisterindex
luacatcodes	number	N maxfontadjustshrinkfactor
magicconstants	table	N maxfontadjuststep
S activecharternamespace		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 defaulthangafter		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 ignoredepth		N maxnofbytecodes
N infinitebad		N maxnofcatcodetables
N infinitepenalty		N maxnoffitnessvalues
N infinity		N maxnoffonts
N largewidthhexcess		N maxnoflanguages
N loosecriterion		N maxnofmarks
N mathallclass		N maxnofmathfamilies
N mathbeginclass		N maxquarterword
N mathdefaultpenalty		N maxscalefactor
N mathendclass		N maxsizeoffword
N mathfirstuserclass		N maxspacefactor
N mathlastuserclass		N maxtoksregisterindex
N maxattributeregisterindex		N maxtwinlength
N maxboxregisterindex		N mincardinal
N maxbytecodeindex		N mindatatype
N maxcalculatedbadness		N mindimen
N maxcardinal		N mindimension
N maxcharactercode		N minhalfword

N mininfinity	muskip	table
N mininteger	mvloptioncodes	data table
N minmvindex	nest	table
N minnofitnessvalues	nilcatcodes	number
N minquarterword	noadoptioncodes	data table
N minscalefactor	normalizepcodes	data table
N minspacefactor	normalizeparcodes	data table
N nocatcodetable	notcatcodes	number
N null	number	function
N nullflag	overloadpermitted	function
N nullfont	parcontextcodes	data table
N onebp	partriggercodes	data table
N prestrulethickness	penaltyoptioncodes	data table
N runningrule	poplocal	function
N smallstretchability	popsavelevel	function
N specialspacefactor	posit	table
N texeqtbsize	positdef	function
N texhashprime	preparelinebreak	function
N texhashsize	primitives	function
N texmemorymode	print	function
N two	protrusionboundarycodes	data table
N undefinedmathparameter	prtcatcodes	number
N unity	pushlocal	function
N unusedattributevalue	pushsavelevel	function
N unusedmathfamily	quitlocal	function
N unusedmathstyle	quittoks	function
N unusedscriptvalue	resetparagraph	function
N unusedstatevalue	rlncatcodes	number
N zeroglue	romannumeral	function
mathchardef	round	function
mathcode	ruleoptioncodes	data table
mathcontrolcodes	runlocal	function
mathoptioncodes	runstatecodes	data table
mathparametercodes	runstring	function
mathscriptordercodes	runtoks	function
mathscriptsmodecodes	saveboxresource	function
modelevels	scale	function
N horizontal	scantoks	function
N math	set	function
N unset	setamcode	function
N vertical	setattrtribute	function
modes	setbalanceshape	function
mprint	setbox	function
muglue	setboxdir	function

setcardinalvalue	function	settextdir	function
setcatcode	function	settoks	function
setccccode	function	setuccode	function
setconditional	function	sfcode	table
setcount	function	shapingpenaltiescodes	data table
setdelcode	function	shiftparshape	function
setdimen	function	shipout	function
setdimensionvalue	function	showcontext	function
setfloat	function	skip	table
setglue	function	snappingcodes	data table
setglyphdata	function	snapshotpar	function
setglyphscript	function	sp	function
setglyphstate	function	specialmathclasscodes	data table
sethccode	function	specificationoptioncodes	data table
sethmcode	function	splitbox	function
setinputstatefile	function	splitcodes	data table
setinputstateline	function	sprint	function
setinputstatemode	function	stringtodesbitmap	function
setinsertcontent	function	systemmodes	data table
setinsertdistance	function	takebox	function
setinsertlimit	function	texcatcodes	number
setinsertmaxplaced	function	textcontrolcodes	data table
setinsertmultiplier	function	toks	table
setintegervalue	function	tonumber	function
setinteraction	function	toscaled	function
setlccode	function	tpacatcodes	number
setlinedir	function	tpbcatcodes	number
setlist	function	tprint	function
setlocalbox	function	trackedattribute	function
setmath	function	trackers	data table
setmathcode	function	triggerbuildpage	function
setmathdir	function	txtcatcodes	number
setmuglue	function	uccode	table
setmuskip	function	uprint	function
setnest	function	useboxresource	function
setpardir	function	userdiscriptioncodes	data table
setpositvalue	function	userglyphoptioncodes	data table
setrunstate	overloaded function	vrbcatcodes	number
setsfcode	function	write	function
setskip	function		

texconfig (basic tex)

buffersize	table	languagesize	table
N size		N size	
N step		N step	
errorlinesize	table	marksizesize	table
N size		N size	
expandsize	table	N step	
N size		nestsize	table
filesize	table	N size	
N size		N step	
N step		nodedsize	table
firstline	string	N size	
fontsize	table	N step	
N size		parametersize	table
N step		N size	
formatname	string	N step	
functionsizesize	number	poolsizesize	table
halferrorlinesize	table	N size	
N size		N step	
hashsize	table	propertiessize	number
N size		savesize	table
N step		N size	
init	overloaded function	N step	
inputsize	table	shell_escape	string
N size		stringsize	table
N step		N size	
insertsize	table	N step	
N size		tokensize	table
N step		N size	
kpse_init	boolean	N step	

texio (basic tex)

<code>closeinput</code>	function	<code>write</code>	function
<code>forceendoffile</code>	function	<code>write_nl</code>	function
<code>getinputindex</code>	function	<code>writenl</code>	function
<code>getselectorvalues</code>	function	<code>writeselector</code>	function
<code>getsourcefilename</code>	function	<code>writeselectorlf</code>	function
<code>setlogfile</code>	function	<code>writeselectornl</code>	function
<code>terminal</code>	function		

token (basic tex)

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

peek_next_char	function	scan_tokenlist	function
peek_next_expanded	function	scan_toks	function
peeknext	function	scan_value	function
peeknextchar	function	scan_word	function
peeknextexpanded	function	scanargument	function
pop_macro	function	scanbox	function
popmacro	function	scancardinal	function
push_macro	function	scanchar	function
pushmacro	function	scancmdchr	function
put_back	function	scancmdchrexpanded	function
put_next	function	scancode	function
putback	function	scancsname	function
putnext	function	scancstoken	function
save_lua	function	scandelimited	function
savelua	function	scandetokened	function
scan_argument	function	scandimen	function
scan_box	function	scandimenargument	function
scan_cardinal	function	scandimension	function
scan_char	function	scandimensionargument	function
scan_cmdchr	function	scanfloating	function
scan_cmdchr_expanded	function	scanglue	function
scan_code	function	scanint	function
scan_curname	function	scaninteger	function
scan_delimited	function	scanintegerargument	function
scan_dimen	function	scankey	function
scan_float	function	scankeyword	function
scan_glue	function	scankeywordcs	function
scan_integer	function	scanletters	function
scan_key	function	scanluacardinal	function
scan_keyword	function	scanluainteger	function
scan_keyword_cs	function	scanluanumber	function
scan_letters	function	scannext	function
scan_luocardinal	function	scannextchar	function
scan_luainteger	function	scannextexpanded	function
scan_luanumber	function	scanposit	function
scan_next	function	scanreal	function
scan_next_char	function	scanscale	function
scan_next_expanded	function	scanskip	function
scan_real	function	scanstring	function
scan_scale	function	scantoken	function
scan_skip	function	scantokencode	function
scan_string	function	scantokenlist	function
scan_token	function	scantokenstring	function
scan_token_code	function	scantoks	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	S todimen S togue S tonumber S tostring
F active		
F cmd		
F cmdchrcs		
F cmdname		create function
F command		defined function
F csname		flags function
F expandable		getinteger function
F frozen		getters table
F index		F box
F name		F count
F protected		F cstoken
F range		F dimen
astable	function	F glue
bits	table	F macro
N active		F meaning
N alignment		F skip
N begingroup		F token
N character		gobble function
N close		isactivestring function
N comment		isdefined function
N endgroup		istoken function
N endofline		new function
N escape		pickup function
N ignore		popmacro function
N invalid		presets table
N letter		pushmacro function
N mathshift		scanners table
N open		F argument
N other		F argumentasis
N parameter		F array
N space		F boolean
N subscript		F box
N superscript		F bracketed
N whitespace		F bracketedasis
cache	data table	F cardinal
commands	data table	F char
compile	function	F cmdchr
constant	function	F cmdchexpanded
converters	table	F code
S toboolean		F conditional

F count	F tokencode
F csname	F tokenlist
F csnameunchecked	F tokens
F delimited	F tokenstring
F detokened	F toks
F dimen	F value
F dimension	F vbox
F dimensionargument	F verbatim
F float	F vtop
F glue	F whd
F gluespec	F word
F gluevalues	setinteger function
F hash	setters table
F hbox	F box
F integer	F char
F integerargument	F count
F ischar	F dimen
F key	F glue
F keyword	F lua
F keywordcs	F macro
F letters	F skip
F list	shortcuts table
F lua	N close
F luocardinal	F inspect
F luainteger	N open
F luanumber	F report
F lxmjid	F scanargument
F next	F scanargumentasis
F nextchar	F scanarray
F nextexpanded	F scanboolean
F number	F scanbox
F optional	F scanbracketed
F peek	F scanbracketedasis
F peekchar	F scandecimal
F peekexpanded	F scanclose
F posit	F scancode
F real	F scanconditional
F scanclose	F scancsname
F scanopen	F scancsnameunchecked
F skip	F scandelimited
F skipexpanded	F scandetokened
F string	F scandimen
F table	F scandimension
F token	F scandimensionargument

F scanfloat	F scanposit
F scanglue	F scanstring
F scangluespec	F scantable
F scangluevalues	F scantokenlist
F scanhash	F scantokenstring
F scanbbox	F scantoks
F scaninteger	F scanvbox
F scanintegerargument	F scanverbatim
F scankeyword	F scanvtop
F scankeywordcs	F scanword
F scanletters	F toboolean
F scanlist	F todimen
F scanlua	F tonumber
F scannumber	F tostring
F scanopen	values data table
F scanoptional	

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 getglobal F getmethod 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 replacenbsp F replacenbspaces
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 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 keepligature D mapping F set
		localboxes table
		F handler
		manipulators table
		F apply F applicyspecification F splitspecification
		margins table
		F finalhandler F globalhandler F localhandler

F save	D mapping
marksuspects function	F reset
paragraphs table	F set
F addanchortoline	F setup
F addtoline	stacking table
F calculatedelta	F getindex
F checkline	F getselection
F moveinline	F handler
periodkerns table	swapping table
D factors	F handler
F handler	synchronize table
D mapping	F handler
F set	tighten table
processors table	F handler
F apply	wrappers table
F register	xtables table
F reset	F cleanup
F split	F construct
F startapply	F create
F stopapply	F finish_row
F stripped	F flush
F tostring	F initialize_construct
rubies table	F initialize_reflow_height
F attach	F initialize_reflow_width
F check	F next_row
showinvisibles function	F reflow_height
showsuspects function	F reflow_width
spacings table	F set_construct
F define	F set_reflow_height
F handler	F set_reflow_width

updaters (context)

apply function
register function

url (context)

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

utf8 (basic lua)

char function
charpattern string
codepoint function

codes function
len function
offset function

utilities (context)

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

F removeaction	F read2dot14
F replaceaction	F readbyte
F setkind	F readbytes
F tostring	F readbytetable
setters	table
F disable	F readcardinal
F enable	F readcardinal1
F initialize	F readcardinal1le
F list	F readcardinal2
F new	F readcardinal2le
F register	F readcardinal3
F report	F readcardinal3le
F reset	F readcardinal4
F show	F readcardinal4le
signals	table
S configuration	F readcardinaltable
F initialize	F readchar
F loadstate	F readcline
F report	F readcstring
F savestate	F readfixed2
F serialclose	F readfixed4
F serialfast	F readinteger
F serialopen	F readinteger1
S serialprefix	F readinteger1le
F serialsend	F readinteger2
F serialwrite	F readinteger2le
N version	F readinteger3
F readinteger3le	F readinteger4
F readinteger4le	F readinteger4le
F readintegertable	F readsignedbyte
stacker	table
F new	F readstring
storage	table
F allocate	F setposition
F checked	F size
F mark	F skip
F marked	F skipbytes
F setinitializer	F skiplong
F sparse	F skipshort
streams	table
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
		F closearchive
		F openarchive
		templates
		F load
		F replace
		F replacer
		F resolve
		zipfiles
		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
triangulate function

truncate 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
registerescapeline	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)

<code>_add</code>	function	<code>bxor</code>	function
<code>_band</code>	function	<code>conj</code>	function
<code>_bor</code>	function	<code>copy</code>	function
<code>_bxor</code>	function	<code>exp</code>	function
<code>_div</code>	function	<code>getprecision</code>	function
<code>_eq</code>	function	<code>ln</code>	function
<code>_idiv</code>	function	<code>log</code>	function
<code>_le</code>	function	<code>max</code>	function
<code>_lt</code>	function	<code>min</code>	function
<code>_mod</code>	function	<code>minus</code>	function
<code>_mul</code>	function	<code>new</code>	function
<code>_name</code>	string	<code>plus</code>	function
<code>_pow</code>	function	<code>pow</code>	function
<code>_shl</code>	function	<code>rotate</code>	function
<code>_shr</code>	function	<code>setprecision</code>	function
<code>_sub</code>	function	<code>shift</code>	function
<code>_tostring</code>	function	<code>sqrt</code>	function
<code>_unm</code>	function	<code>toengstring</code>	function
<code>abs</code>	function	<code>tonumber</code>	function
<code>band</code>	function	<code>tostring</code>	function
<code>bor</code>	function	<code>trim</code>	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
checkbox	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	elementtodata 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 recursestext		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
inserttdata	function	registersns	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	unescape	function
serializetotext	function	unescapeentitylpeg	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