MP attributes backends bit32 blobs boolean
buffers builders caches callback callbacks
catcodes characters chemistry commands
containers context converters coroutine
ctxrunner debug dir directives document
documentdata environment epdf experiments ffi
figures file fio floats font fonts functions
global graphics gzip img interactions
interfaces io job lang languages layouts lfs
libraries lmx logs lpdf lpeg ltn12 lua luatex
lxml math mathematics mbox md5 metapost mime
moduledata modules mp mplib noads node nodes
number objects os package pagebuilders
parametersets pdf pdfscanner physics
publications regimes resolvers sandbox scripts
set sio socket sorters statistics status
storage streams string structures table tex
texconditionals texconfig texconstants texifs
texio texisdefined texmodes texsystemmodes
thirddata token tokens tracers trackers
typesetters unicode url userdata utilities vf
visualizers xml zip zlib

ConTEXt MkIV

global (alias: _G)

FFISUPPORTED	function	**epdf**	table
INITEXMODE	boolean	**error**	function
LUATEXCOREVERSION	number	**experiments**	table
LUATEXENGINE	string	**ffi**	table
LUATEXVERSION	number	**ffilib**	function
MP	table	**figures**	table
_LUAVERSION	number	**file**	table
_MAJORVERSION	number	**fio**	table
_MINORVERSION	number	**floats**	table
arg	table	**font**	table
assert	function	**fonts**	table
attributes	table	**frozen**	boolean
backends	table	**functions**	table
bit32	table	**getmetatable**	function
blobs	table	**getpos**	function
blockrequire	function	**getvpos**	function
boolean	table	**global**	table
buffers	table	**graphics**	table
builders	table	**gregorian_to_jalali**	function
caches	table	**gzip**	table
callback	table	**img**	table
callbacks	table	**inspect**	function
catcodes	table	**interactions**	table
characters	table	**interfaces**	table
chemistry	table	**io**	table
collectgarbage	function	**ipairs**	function
commands	table	**jalali_to_gregorian**	function
containers	table	**job**	table
context	function	**lang**	table
converters	table	**languages**	table
coroutine	table	**last**	number
ctxrunner	table	**layouts**	table
debug	table	**lfs**	table
dimen	function	**libraries**	table
dir	table	**lmx**	table
directives	table	**load**	function
document	table	**loadfile**	function
documentdata	table	**loadstring**	function
dofile	function	**logs**	table
done	boolean	**lpdf**	table
environment	table	**lpeg**	table

ltn12	table	**resolvers**	table
lua	table	**sandbox**	table
luatex	table	**scripts**	table
lxml	table	**select**	function
math	table	**set**	table
mathematics	table	**setinspector**	function
mbox	table	**setmetatable**	function
md5	table	**sio**	table
metapost	table	**socket**	table
mime	table	**sorters**	table
module	function	**statistics**	table
moduledata	table	**status**	table
modules	table	**storage**	table
mp	function	**streams**	table
mplib	table	**string**	table
next	function	structures	table
noads	table	swiglib	function
node	table	**table**	table
nodes	table	**tex**	table
number	table	texconditionals	data table
objects	table	**texconfig**	table
optionalrequire	function	texconstants	data table
os	table	texifs	data table
package	table	**texio**	table
pagebuilders	table	texisdefined	function
pairs	function	texmodes	data table
parametersets	table	texsystemmodes	data table
pcall	function	thirddata	table
pdf	table	toboolean	function
pdfboolean	function	**token**	table
pdfnull	function	tokens	table
pdfreference	function	**tonumber**	function
pdfscanner	table	**tostring**	function
pdfverbose	function	tracers	table
physics	table	trackers	table
print	function	**type**	function
publications	table	typesetters	table
rawequal	function	**unicode**	table
rawget	function	unpack	function
rawlen	function	url	table
rawset	function	userdata	table
regimes	table	**utf**	table
require	function	utilities	table
requireswiglib	function	**v**	number

vf	table	**xpcall**	function
visualizers	table	**zip**	table
xml	table	**zlib**	table

attributes (context)

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

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

- D models
- F mpcolor
- F mpnamedcolor
- F mpoptions
- F namedcolorattributes
- U none
- F popset
- F processcolorcomponents
- F pushset
- F register
- D registered
- F registerspotcolor
- F rgb
- F rgbtocmyk
- F rgbtogray
- F rgbtohsv
- N selector
- F setlist
- F setmodel
- F setpagecolormodel
- D sets
- F spec
- F spot
- F spotcolorname
- F spotcolorparent
- F spotcolorvalue
- B supported
- F transparencycomponents
- B triggering
- F usecolors
- D valid
- F value
- D values
- B weightgray

define   function
effects   table
- N attribute
- D data
- F enable
- F handler
- F register

D registered		N hardlight	
D values		N hue	
handlers	table	N lighten	
list	data table	N luminosity	
names	data table	N multiply	
negatives	table	N none	
N attribute		N normal	
D data		N overlay	
F enable		N saturation	
F handler		N screen	
F register		N softlight	
D registered		U none	
F set		F register	
numbers	data table	D registered	
ofnode	function	B supported	
private	function	B triggering	
public	function	F value	
restore	function	D values	
save	function	**unsetvalue**	number
showcurrent	function	**viewerlayers**	table
states	table	N attribute	
F disabletriggering		F cleanup	
F enabletriggering		D data	
F finalize		F define	
F initialize		F definedlayoutcomponent	
F process		F enable	
F selective		F forcesupport	
F stacked		F handler	
F stacker		B hasorder	
system	function	D listwise	
transparencies	table	F register	
N attribute		D registered	
D data		F resolve_begin	
F enable		F resolve_end	
F forcesupport		F resolve_reset	
F handler		F resolve_step	
T names		D scopes	
N color		F setfeatures	
N colorburn		F start	
N colordodge		F stop	
N darken		B supported	
N difference		D values	
N exclusion			

backends (context)

codeinjections table
- F boxresourcedimensions
- F registerboxresource
- F restoreboxresource

current string

defaults table
- T codeinjections
  - F gethpos
  - F getmatrix
  - F getpos
  - F getvpos
  - F hasmatrix
- T nodeinjections
- T registrations
- D tables

included table
- B context
- B date
- B id
- B metadata
- B pdf

install function

nodeinjections table
- F restore
- F save
- F transform

nothing function

pdf table
- T codeinjections
  - F addbookmarks
  - F attachmentid
  - F clonefield
  - F definefield
  - F definefieldset
  - F defineviewerlayer
  - F embedfile
  - F enabletags
  - F exportformdata
  - F getbookmarks
  - F getdefaultfieldvalue
  - F getfieldcategory

- F getfieldset
- F getformatoption
- F gethpos
- F getmatrix
- F getoutputfilename
- F getpos
- F getpreviewfigure
- F getvpos
- F hasmatrix
- F insertrenderingwindow
- F mergebookmarks
- F mergereferences
- F mergeviewerlayers
- F prerollreference
- F presetsymbol
- F presetsymbollist
- F processrendering
- F registerdocumentcloseaction
- F registerdocumentopenaction
- F registeredsymbol
- F registerpagecloseaction
- F registerpageopenaction
- F registersymbol
- F setfieldcalculationset
- F setfigurealternative
- F setfigurecolorspace
- F setfiguremask
- F setformat
- F setformsmethod
- F setpagetransition
- F setupcanvas
- F setupidentity
- F setxmpfile
- F startlayer
- F startunicodetoactualtext
- F startunicodetoactualtextdirect
- F stoplayer
- F stopunicodetoactualtext
- F stopunicodetoactualtextdirect
- F supportedformats
- F unicodetoactualtext

```
  F useviewerlayer              F reference
  F validfield                  F rgbcolor
  F validfieldcategory          F spotcolor
  F validfieldset               F startlayer
S comment                       F startstackedlayer
T nodeinjections                F stoplayer
  F addtags                     F stopstackedlayer
  F annotation                  F transparency
  F attachfile                  F typesetfield
  F changestackedlayer        T registrations
  F cmykcolor                   F cmykindexcolor
  F comment                     F cmykspotcolor
  F destination                 F getspotcolorreference
  F effect                      F grayindexcolor
  F graycolor                   F grayspotcolor
  F injectbitmap                F rgbindexcolor
  F insertmovie                 F rgbspotcolor
  F insertsound                 F spotcolorname
  F insertswf                   F transparency
  F insertu3d                 T tables
  F knockout                    D vfspecials
  F negative
  F overprint
  F positive
```

registrations	table
tables	table
timestamp	function

bit32 (basic lua)

arshift	function		**extract**	function
band	function		**lrotate**	function
bnot	function		**lshift**	function
bor	function		**replace**	function
btest	function		**rrotate**	function
bxor	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		F	hassomecontent
assign	function		F	next
collectcontent	function		F	place
erase	function		F	reset
exists	function		F	save
getcontent	function	**prepend**	function	
getlines	function	**raw**	function	
loadcontent	function	**run**	function	
parallel	table	**undent**	function	
F define				

builders (context)

kernel   table
   F hyphenation
   F kerning
   F ligaturing
   F mlist_to_hlist
   T originals
    F hyphenate
    F kerning
    F ligaturing
paragraphs   table
   T constructors
    N attribute
    F define
    F disable
    F enable
    F handler
    T methods
     F basic
     F default
     F hpack
     F oneline
    D names
    D numbers
    F set
    F start
    F stop
   T expansion
    F trace
   F keeptogether
   F registertogether
   T solutions
    T splitters
     F define
     F optimize

   T registered
   F reset
   F set
   F split
   F start
   F stop
  F tag
profiling   table
   F add
   F distance
   F fixedprofile
   F get
   F list
   F pagehandler
   F profilebox
   F set
vspacing   table
   F analyze
   D categories
   F collapsevbox
   T data
    D map
    D skip
    D snapmethods
   F definesnapmethod
   B fixed
   F pagehandler
   F resetprevdepth
   F setmap
   F setskip
   F snapbox
   F tocategories
   F tocategory
   F vboxhandler

caches (context)

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

callback (basic tex)

find   function   **register** overloaded function

list   function

callbacks (context)

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

- B append_to_vlist_filter
- B build_page_insert
- B buildpage_filter
- B call_edit
- B char_exists
- B contribute_filter
- B define_font
- B find_cidmap_file
- B find_data_file
- B find_enc_file
- B find_font_file
- B find_format_file
- B find_image_file
- B find_map_file
- B find_opentype_file
- B find_output_file
- B find_pk_file
- B find_read_file
- B find_sfd_file
- B find_truetype_file
- B find_type1_file
- B find_vf_file
- B find_write_file
- B finish_pdffile
- B finish_pdfpage
- B glyph_stream_provider
- B hpack_filter
- B hpack_quality
- B hyphenate
- B insert_local_par
- B kerning
- B ligaturing
- B linebreak_filter
- B mlist_to_hlist
- B open_read_file
- B post_linebreak_filter
- B pre_dump
- B pre_linebreak_filter
- B pre_output_filter
- B process_input_buffer
- B process_jobname
- B process_output_buffer
- B process_rule
- B read_cidmap_file
- B read_data_file
- B read_enc_file
- B read_font_file
- B read_map_file
- B read_opentype_file
- B read_pk_file
- B read_sfd_file
- B read_truetype_file
- B read_type1_file
- B read_vf_file
- B show_error_hook
- B show_error_message
- B show_lua_error_hook
- B show_warning_message
- B start_file
- B start_page_number
- B start_run
- B stop_file
- B stop_page_number
- B stop_run
- B vpack_filter
- B vpack_quality

catcodes (context)

names   data table   **register**   function
numbers   data table

characters (context)

activeoffset	number	S A˳
adobename	function	S A˳
bidi	data table	S B˙
blockrange	function	S B˳
blocks	data table	S B˳
casemap	table	S C´
categories	data table	S C^
category	function	S C˙
categorytags	data table	S Cˇ
classifiers	table	S C˳
collapsed	table	S C˳´

S </	S D˙
S =/	S Dˇ
S >/	S D˳
S A`	S D˳
S A´	S D˰
S A^	S D˳
S A^`	S E`
S A^´	S E´
S A^~	S E^
S A^ʾ	S E^`
S A~	S E^´
S A¯	S E^~
S A˘	S E^ʾ
S A˘`	S E˜
S A˘´	S E¯
S A˘~	S E¯`
S A˘ʾ	S E¯´
S A˙	S E˘
S A˙¯	S E˙
S A¨	S E¨
S A¨¯	S Eʾ
S Aʾ	S Eˇ
S A°	S E`
S A°´	S E^
S Aˇ	S E˳
S A˝	S E˳^
S A^	S E˳
S A˳	S E˳ˇ
S A˳^	S E˳
S A˳ˇ	S E˰

S E˞   S L¯
S F˙   S Ḿ
S Ǵ   S Ṁ
S Ĝ   S M̦
S Ḡ   S Ǹ
S Ğ   S Ń
S Ġ   S Ñ
S Ǧ   S Ṅ
S G̦   S Ň
S Ĥ   S N̦
S Ḣ   S Ņ
S Ḧ   S N̫
S Ȟ   S N̲
S Ḥ   S Ò
S Ḩ   S Ó
S Ḫ   S Ô
S Ì   S Ồ
S Í   S Ố
S Î   S Ỗ
S Ĩ   S Ồ
S Ī   S Õ
S Ĭ   S Ṍ
S İ   S Ȭ
S Ï   S Ȭ
S Ḯ   S Ō
S Ỉ   S Ȱ̀
S Ǐ   S Ṓ
S Ì̃   S Ŏ
S Î̃   S Ȯ
S Ị   S Ȱ
S Į   S Ö
S Ḭ   S Ȫ
S Ĵ   S Ỏ
S Ḱ   S Ő
S Ǩ   S Ǒ
S Ķ   S Ò̃
S K̦   S Ỗ
S K̲   S O̓
S Ĺ   S O̓̀
S Ľ   S O̓́
S Ḷ   S O̓̃
S Ḹ   S O̓̉
S Ļ   S Ọ̓
S L̂   S Ọ

S O̩ˆ	S Uʾ
S O̩˛	S U°
S O̩¯	S U˝
S Pʹ	S Ŭ
S P˙	S U‶
S Rʹ	S Û
S R˙	S Uʻ
S Rˇ	S Uʻ`
S R˵	S Uʻʹ
S Rˆ	S Uʻ˜
S R̩	S Uʻʾ
S R̩¯	S Uʻ̩
S R̦	S U̩
S R_	S Ṳ
S Sʹ	S U̦
S Sʹ˙	S U̫
S Sˆ	S Ṵ
S S˙	S Ṽ
S Sˇ	S V̩
S Sˇ˙	S W`
S S̩	S Wʹ
S S̩˙	S Wˆ
S Ș	S W˙
S Ș	S W¨
S T˙	S W̩
S Tˇ	S X˙
S T̩	S X¨
S Ț	S Y`
S Ț	S Yʹ
S T̫	S Yˆ
S T_	S Y˜
S U`	S Y¯
S Uʹ	S Y˙
S Uˆ	S Y¨
S U˜	S Yʾ
S U˜ʹ	S Y̩
S U¯	S Zʹ
S U¯¨	S Zˆ
S U˘	S Z˙
S U¨	S Zˇ
S U¨`	S Z̩
S U¨ʹ	S Z_
S U¨¯	S a`
S U¨ˇ	S aʹ

S a^	S e^
S a^`	S e^`
S a^´	S e^´
S a^~	S e^~
S a^'	S e^'
S a~	S e˘
S a¯	S e¯
S a˘	S e¯`
S a˘`	S e¯´
S a˘´	S e˘
S a˘~	S e˙
S a˘'	S e¨
S a˙	S e'
S a˙¯	S eˇ
S a¨	S e`
S a¨¯	S e^
S a'	S e̦
S a°	S e̦^
S a°´	S ȩ
S aˇ	S ȩ˘
S a`	S ȩ
S a^	S ḙ
S a̦	S ḛ
S a̦^	S f˙
S a̦˘	S g´
S ḁ	S g^
S a̧	S g¯
S b˙	S gˇ
S b̦	S g˙
S b_	S gˇ
S c´	S g̦
S c^	S h^
S c˙	S h˙
S cˇ	S h¨
S ç	S hˇ
S ç´	S h̦
S d˙	S ḩ
S dˇ	S ḫ
S d̦	S h_
S ḑ	S i`
S ḓ	S i´
S d_	S i^
S e`	S i~
S e´	S i¯

S i˘	S o˜´
S i¨	S o˜¯
S i¨´	S o˜¨
S i᾽	S o¯
S iˇ	S o¯`
S i῾	S o¯´
S iˆ	S oˇ
S i̦	S o˙
S i̧	S o˙¯
S ḭ	S o¨
S jˆ	S o¨¯
S jˇ	S o᾽
S k´	S o˝
S kˇ	S oˇ
S k̦	S o῾
S ķ	S oˆ
S k_	S o·
S l´	S o·`
S lˇ	S o·´
S l̦	S o·˜
S l̦¯	S o·᾽
S ļ	S o·̦
S ḽ	S o̦
S l_	S o̦ˆ
S m´	S o̧
S m˙	S o̧¯
S m̦	S p´
S n`	S p˙
S n´	S r´
S n˜	S r˙
S n˙	S rˇ
S nˇ	S r῾
S n̦	S rˆ
S ņ	S r̦
S ṋ	S r̦¯
S n_	S ŗ
S o`	S r_
S o´	S s´
S oˆ	S s´·
S oˆ`	S sˆ
S oˆ´	S s˙
S oˆ˜	S sˇ
S oˆ᾽	S sˇ·
S o˜	S ș

S s ˙	S w ´
S s ̦	S w ^
S s ̧	S w ˙
S t ˙	S w ¨
S t ¨	S w °
S t ˇ	S w ̦
S t ̣	S x ˙
S t ̦	S x ¨
S t ̧	S y `
S t ̂	S y ´
S t ̱	S y ^
S u `	S y ˜
S u ´	S y ¯
S u ^	S y ˙
S u ˜	S y ¨
S u ˜´	S y ’
S u ¯	S y °
S u ¯¨	S y ̣
S u ˘	S z ´
S u ¨	S z ^
S u ¨`	S z ˙
S u ¨´	S z ˇ
S u ¨¯	S z ̣
S u ¨˘	S z ̱
S u ’	S ¨`
S u °	S ¨´
S u ″	S ¨
S u ˘	S Â `
S u ̏	S Â ´
S u ̂	S Â ˜
S u ˙	S Â ’
S u ˙`	S Ä ¯
S u ˙´	S Å ´
S u ˙˜	S Æ ´
S u ˙’	S Æ ¯
S u ˙.	S Ç ´
S u ̣	S Ê `
S u ̤	S Ê ´
S u ̧	S Ê ˜
S u ̨	S Ê ’
S u ̱	S Ï ´
S v ˜	S Ô `
S v ̣	S Ô ´
S w `	S Ô ˜

S ô̓ S ă̓
S ṍ S Ḕ
S ō̄ S Ḗ
S ō̈ S ḕ
S ȫ S ḗ
S ǿ S Ồ
S ǜ S Ố
S ǘ S ồ
S ǖ S ố
S ü̆ S Ṥ
S ầ S ṥ
S ấ S Ṧ
S ẫ S ṧ
S â̓ S Ū́
S ǟ S ṹ
S ǻ S Ṻ
S ǽ S ũ̈
S ǣ S ḟ
S ḉ S ờ
S ề S ớ
S ế S ỡ
S ễ S ơ̓
S ê̓ S ợ
S ḯ S σ̀
S ồ S σ́
S ố S σ̃
S ỗ S σ̓
S ô̓ S σ̣
S ṍ S Ừ
S ȫ S Ứ
S ö̈ S Ữ
S ȫ S Ư̓
S ǿ S Ự
S ǜ S ừ
S ǘ S ứ
S ǖ S ữ
S ü̆ S ư̓
S Ā̀ S ự
S Ā́ S ʒ̆
S Ā̃ S ọ̄
S Ā̓ S ọ̄
S ằ S Ǡ
S ắ S ǡ
S ẵ S Ę̆

S ę̆	S Η'
S Ȱ⁻	S Η'`
S ȯ⁻	S Η'`
S ʒ̆	S Η'´
S ¨´	S Η'´
S Α`	S Η'
S Α´	S Η'
S Α⁻	S Η'
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hangul   data table
initialize   function
is_character   data table
is_command   data table
is_letter   data table
is_mark   data table
is_punctuation data table
is_spacing   data table
lcchars   data table
lccode   function
lccodes   data table
lettered   function
lhash   data table
linebreaks   table
  S ai
  S al
  S b2
  S ba
  S bb
  S bk
  S cb
  S cj
  S cl
  S cm
  S cp
  S cr
  S eb
  S em

  S ex
  S gl
  S h2
  S h3
  S hl
  S hy
  S id
  S in
  S is
  S jl
  S jt
  S jv
  S lf
  S nl
  S ns
  S nu
  S op
  S po
  S pr
  S qu
  S ri
  S sa
  S sg
  S sp
  S sy
  S wj
  S xx
  S zw
  S zwj

lower   function
math   table
mathpairs   table
  T :
    S =
  T <
    S =
  T =
    S :
  T >
    S =
  T /
    S <
    S =
    S >

S ←	S ⪬	
S →	S ⪭	
S ↔	**mirrors**	table
S ⇐	**otfscripts**	data table
S ⇒	**ranges**	data table
S ⇔	**registerentities**	function
S ∃	**remap_hangul_syllabe**	function
S ∈	**setactivecatcodes**	function
S ∋	**setlettercatcodes**	function
S		**shape**	function
S	**shaped**	function
S ~	**shash**	data table
S ≃	**shchars**	data table
S ≅	**shcodes**	data table
S ≈	**showstring**	function
S ≍	**specialchars**	data table
S ≡	**specials**	data table
S ≤	**splits**	table
S ≥		
S ≦	T char	
S ≧	T compat	
S ≨	**subscripts**	table
S ≩	**superscripts**	table
S <	**synonyms**	data table
S >	**tex**	table
S ≮		
S ≯	D accentmapping	
S ⊂	D commandmapping	
S ⊃	F defineaccents	
S ⊆	F safechar	
S ⊇	F toutf	
S ⊑	F toutfpattern	
S ⊒	**textclasses**	table
S ⊢	**tonumber**	function
S	**ucchars**	data table
S	**uccode**	function
S	**uccodes**	data table
S ◄	**uhash**	data table
S ▻	**unicodechar**	function
	upper	function

chemistry (context)

component	function	**molecule**	function
define	function	**moleculeparser**	userdata
definitions	data table	**start**	function
format	string	**stop**	function
inlinechemical	function	**structures**	number
instance	string	**undefine**	function
method	string		

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-c**	function
A:es	function	**convert**	function
A:ru	function	**decimals**	function
A:sl	function	**define**	function
AK	function	**hexstringtonumber**	function
Alphabetic	function	**hour**	function
Alphabetic:es	function	**i**	function
Alphabetic:ru	function	**isleapyear**	function
Alphabetic:sl	function	**lchexnumber**	function
Character	function	**lchexnumbers**	function
Characters	function	**leapyear**	function
I	function	**lower**	function
KA	function	**max**	function
KR	function	**maxchrs**	function
R	function	**minute**	function
RK	function	**month**	function
Romannumerals	function	**nicenumber**	function
Russiannumerals	function	**nofdays**	function
Sloveniannumerals	function	**number**	function
Spanishnumerals	function	**numbers**	function
Word	function	**octnumber**	function
Words	function	**octstringtonumber**	function
a	function	**ordinal**	function
a:es	function	**r**	function
a:ru	function	**rawcharacter**	function
a:sl	function	**romannumerals**	function
abjadnodotnumerals	function	**russiannumerals**	function
abjadnumerals	function	**second**	function
alphabetic	function	**sequences**	data table
alphabetic:es	function	**settime**	function
alphabetic:ru	function	**sloveniannumerals**	function
alphabetic:sl	function	**spanishnumerals**	function
character	function	**textime**	function
characters	function	**toabjad**	function
chineseallnumerals	function	**tochinese**	function
chinesecapnumerals	function	**toroman**	function
chinesenumerals	function	**totime**	function
chr	function	**uchexnumber**	function
chrs	function	**uchexnumbers**	function
cn	function	**upper**	function
cn-a	function	**verbose**	table

D data		word	function
F translate		words	function
weekday	function	**year**	function

coroutine (basic lua)

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

ctxrunner (context)

load	function	**prepfiles**	data table
preparedfile	function	**resolve**	function

debug (basic lua)

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

dir (context)

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

directives (context)

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

document (context)

arguments	data table	D modes	
files	table	D modules	
functions	table	**setargument**	function
getargument	function	**setcommandline**	function
getfilename	function	**setdefaultargument**	function
options	table	**setenvironments**	function

- T commandline
  - D environments
  - D modes
  - D modules
- T ctxfile
  - D environments

setfilename	function
setfilenames	function
setmodes	function
setmodules	function
variables	data table

environment (context)

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

epdf (extra tex)

Array	function	**PDFRectangle**	function
Attribute	function	**StructElement_Type**	function
AttributeOwner_Type	function	**open**	overloaded function
Attribute_Type	function	**openMemStream**	function
Dict	function	**type**	function
Object	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		

figures (context)

applyratio	function
badname	function
bases	data table
bitmapimage	function
boxnumber	number
cachepaths	data table
check	function
checkers	data table
converters	data table
current	function
defaultdepth	number
defaultheight	number
defaultsearch	boolean
defaultwidth	number
done	function
dummy	function
existers	data table
exists	function
formats	data table
found	data table
get	function
getrealpage	function
guess	function
hash	function
identifiers	data table
identify	function
images	table
F boxes	
F check	
F checksize	
F clone	
F copy	
F immediatewrite	
F keys	
F new	
F node	

F ofindex	
F package	
F print	
F scan	
F serialize	
F totable	
F types	
F write	
include	function
includers	data table
initialize	function
loaded	data table
localpaths	data table
magics	data table
mergegoodies	function
nofprocessed	number
order	data table
paths	data table
patterns	data table
pop	function
preferquality	boolean
programs	data table
push	function
registerpattern	function
registerresource	function
registersuffix	function
resources	data table
scale	function
set	function
setlookups	function
setmemstream	function
setorder	function
setpaths	function
suffixes	data table
used	data table

file (basic lua)

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

fio (extra lua)

checkpermission	function	**readfixed4**	function
getposition	function	**readinteger1**	function
read2dot14	function	**readinteger2**	function
readbytes	function	**readinteger3**	function
readbytetable	function	**readinteger4**	function
readcardinal1	function	**readline**	function
readcardinal2	function	**recordfilename**	function
readcardinal3	function	**setposition**	function
readcardinal4	function	**skipposition**	function
readfixed2	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)

current	function		**id**	function
define	function		**max**	function
each	function		**nextid**	function
fonts	table		**read_tfm**	function
frozen	function		**read_vf**	function
getfont	overloaded function		**setfont**	overloaded function

fonts (context)

analyzers   table

  T features

    N blwf

    N fin2

    N fin3

    N fina

    N half

    N init

    N isol

    N med2

    N medi

    N pref

    N pstf

    N rphf

  D initializers

  D methods

  F setstate

  T states

    N blwf

    N fin2

    N fin3

    N fina

    N half

    N init

    N isol

    N mark

    N med2

    N medi

    N pref

    N pstf

    N rest

    N rphf

  B useunicodemarks

checkers   table

  F getmissing

  F missing

  F placeholder

cid   table

  F getmap

  F loadfile

collections   table

  F checkenabled

  F clonevector

  F define

  T definitions

  F found

  F prepare

  F process

  F registermain

  F report

  F reset

  T vectors

constructors   table

  F addcoreunicodes

  F aftercopyingcharacters

  F applymanipulators

  F assignmathparameters

  B autocleanup

  F beforecopyingcharacters

  D cache

  B cacheintex

  F calculatescale

  F checkedfeatures

  F checkedfilename

  F checkvirtualids

  F cleanuptable

  F collectprocessors

  F currentfonthasfeature

  D designsizes

  D dontembed

  F enhanceparameters

  T enhancers

    T afm

      F apply

      F patch

      T patches

        F register

      F register

    T otf

      F addfeature

      F apply

      F enhance

```
  F patch                              F alternate
  T patches                            F chainposition
    F register                         F chainsubstitution
  F register                           F kern
T tfm                                  F ligature
  F apply                              F multiple
  F patch                              F pair
  T patches                            F substitution
    F register                       F register
  F register                         S stepkey
N factor                             F dataset
T features                           S defaultbasealternate
  D afm                              S defaultnodealternate
  D otf                              D features
  D tfm                              F featuresprocessor
F finalize                           F getactualtext
F getfeatureaction                   F getalternate
T handlers                           F getgsub
  T afm                              F getkern
    B autoprefixed                   F getmultiple
    D cache                          F getsubstitution
    D features                       T handlers
    F getkern                          F devanagari_remove_joiners
    T helpdata                         F devanagari_reorder_matras
      D bothkerned                     F devanagari_reorder_pre_base_reordering_consonants
      D leftkerned                     F devanagari_reorder_reph
      D ligatures                      F gpos_context
      D rightkerned                    F gpos_contextchain
      D texligatures                   F gpos_cursive
    F load                             F gpos_mark2base
    T readers                          F gpos_mark2ligature
      F getinfo                        F gpos_mark2mark
      F loadfont                       F gpos_pair
      F loadshapes                     F gpos_single
    F setfeatures                      F gsub_alternate
    B syncspace                        F gsub_context
    N version                          F gsub_contextchain
  T otf                                F gsub_ligature
    F addfeature                       F gsub_multiple
    F basemodeinitializer              F gsub_reversecontextchain
    D cache                            F gsub_single
    F collectlookups                   F trigger_space_kerns
    T coverup                        T helpers
      T actions                        F blockligatures
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F pardirstate
F txtdirstate
F load
F loadoutlinedata
F loadstreamdata
F modeinitializer
F nodemodeinitializer
D pdfcache
T plugins
T readers
  F addunicodetable
  F avar
  F cbdt
  F cblc
  F cff
  F cff2
  F cffcheck
  F checkhash
  F cmap
  F colr
  F compact
  F cpal
  F ebdt
  F eblc
  F ebsc
  F expand
  F extend
  F fvar
  F gdef
  F getcomponents
  F getinfo
  F glyf
  F gpos
  T gposhandlers
    F chainedcontext
    F context
    F cursive
    F extension
    F marktobase
    F marktoligature
    F marktomark
    F pair
    F single
  F gsub

T gsubhandlers
  F alternate
  F chainedcontext
  F context
  F extension
  F ligature
  F multiple
  F reversechainedcontextsingle
  F single
F gvar
F head
T helpers
  F axistofactors
  F cleanname
  F getaxisscale
  F getfactors
  F getscales
  F gotodatatable
  F normalizedaxis
  T normalizedaxishash
  F readvariationdata
  F reportskippedtable
  F setvariabledata
F hhea
F hmtx
F hvar
F kern
F loadfont
F loadshapes
F loca
F math
F maxp
F mvar
F name
F os/2
F pack
F parsecharstrings
F post
F registerextender
F rehash
F sbix
F stat
T streamreader
  F close

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F getposition	F vhea
F getsize	F vmtx
F look	F vorg
F open	F vvar
F read2dot14	F woff2otf
F readbyte	F registerpalette
F readbytes	F registerplugin
F readbytetable	T sbix
F readcardinal	F topdf
F readcardinal1	D sbixcache
F readcardinal2	B sbixenabled
F readcardinal2le	F scriptandlanguage
F readcardinal3	F setdynamics
F readcardinal3le	F setfeatures
F readcardinal4	T statistics
F readcardinal4le	D usedfeatures
F readchar	F storepdfdata
F readfixed2	T svg
F readfixed4	F filterglyph
F readinteger	F topdf
F readinteger1	D svgcache
F readinteger2	B svgenabled
F readinteger2le	T tables
F readinteger3	D baselines
F readinteger3le	D features
F readinteger4	D featuretypes
F readinteger4le	D languages
F readsignedbyte	D scripts
F readstring	N version
F readtag	T pfb
F setposition	F loadvector
F size	T tfm
F skip	F addtounicode
F skiplong	D features
F skipposition	N maxnestingdepth
F skipshort	N maxnestingsize
F writebyte	F reencode
F writecardinal2	F setfeatures
F writecardinal4	N version
F writestring	T vf
F svg	T combinations
N tableversion	F combine
F unifymissing	T combiner
F unpack	D commands

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

N Vecyrillic	N daletholam
N Yatcyrillic	N daletholamhebrew
N Yericyrillic	N daletpatah
N Yicyrillic	N daletpatahhebrew
N Zdot	N daletqamats
N Zecyrillic	N daletqamatshebrew
N Zhecyrillic	N daletqubuts
N acutecmb	N daletqubutshebrew
N acyrillic	N daletsegol
N afii00208	N daletsegolhebrew
N afii08941	N daletsheva
N afii57694	N daletshevahebrew
N afii57695	N dalettsere
N afii57700	N dammaarabic
N afii57705	N dammatanaltonearabic
N afii57723	N dargahebrew
N alef	N dbllowline
N alefmaksurainitialarabic	N decimalseparatorarabic
N alefmaksuramedialarabic	N dialytikatonos
N approximatelyequal	N dotbelowcmb
N asteriskaltonearabic	N doubleyodpatah
N ayin	N doubleyodpatahhebrew
N bet	N edot
N betdagesh	N eightarabic
N blackdownpointingtriangle	N eighthnotebeamed
N blackleftpointingpointer	N etnahtafoukhhebrew
N blackrectangle	N etnahtafoukhlefthebrew
N blackrightpointingpointer	N etnahtahebrew
N blacksmilingface	N fathaarabic
N blacksquare	N finalkaf
N blackuppointingtriangle	N finalkafdagesh
N bulletinverse	N finalkafhebrew
N cdot	N finalkafqamats
N compass	N finalkafqamatshebrew
N dagesh	N finalkafsheva
N dalet	N finalmem
N daletdagesh	N finalnun
N dalethatafpatah	N finalpe
N dalethatafpatahhebrew	N finaltsadi
N dalethatafsegol	N fivearabic
N dalethatafsegolhebrew	N forall
N dalethebrew	N fourarabic
N dalethiriq	N gcedilla
N dalethiriqhebrew	N gdot

N gimel

N gimeldagesh

N gravecmb

N haaltonearabic

N hamzaarabic

N hamzadammaarabic

N hamzadammatanarabic

N hamzafathaarabic

N hamzafathatanarabic

N hamzalowarabic

N hamzalowkasraarabic

N hamzalowkasratanarabic

N hatafpatah

N hatafpatah16

N hatafpatah23

N hatafpatah2f

N hatafpatahhebrew

N hatafpatahnarrowhebrew

N hatafpatahquarterhebrew

N hatafqamats

N hatafqamats1b

N hatafqamats28

N hatafqamats34

N hatafqamatshebrew

N hatafqamatsnarrowhebrew

N hatafqamatsquarterhebrew

N hatafsegol

N hatafsegol17

N hatafsegol24

N hatafsegol30

N hatafsegolhebrew

N hatafsegolnarrowhebrew

N hatafsegolquarterhebrew

N he

N hedagesh

N hehfinalalttwoarabic

N het

N hiriq

N hiriq14

N hiriq21

N hiriq2d

N hiriqhebrew

N hiriqnarrowhebrew

N hiriqquarterhebrew

N holam

N holam19

N holam26

N holam32

N holamhebrew

N holamnarrowhebrew

N holamquarterhebrew

N ilde

N integralbottom

N integraltop

N kaf

N kafdagesh

N kashidaautoarabic

N kashidaautonosidebearingarabic

N kcedilla

N lamed

N lameddagesh

N lamedhebrew

N lamedholam

N lamedholamdagesh

N lamedholamdageshhebrew

N laminitialarabic

N lammeemjeeminitialarabic

N lcedilla

N logicalnotreversed

N mahapakhhebrew

N mem

N memdagesh

N merkhahebrew

N merkhakefulahebrew

N middot

N munahhebrew

N nbspace

N ncedilla

N newsheqelsign

N ninearabic

N noonhehinitialarabic

N nun

N nundagesh

N odblacute

N onearabic

N overscore

N patah

N patah11

N patah1d   N qubuts
N patah2a   N qubuts18
N patahhebrew   N qubuts25
N patahnarrowhebrew   N qubuts31
N patahquarterhebrew   N qubutshebrew
N pe   N qubutsnarrowhebrew
N pedagesh   N qubutsquarterhebrew
N qamats   N quoteleftreversed
N qamats10   N rafe
N qamats1a   N rcedilla
N qamats1c   N reharabic
N qamats27   N resh
N qamats29   N reshhatafpatah
N qamats33   N reshhatafpatahhebrew
N qamatsde   N reshhatafsegol
N qamatshebrew   N reshhatafsegolhebrew
N qamatsnarrowhebrew   N reshhebrew
N qamatsqatanhebrew   N reshhiriq
N qamatsqatannarrowhebrew   N reshhiriqhebrew
N qamatsqatanquarterhebrew   N reshholam
N qamatsqatanwidehebrew   N reshholamhebrew
N qamatsquarterhebrew   N reshpatah
N qof   N reshpatahhebrew
N qofdagesh   N reshqamats
N qofhatafpatah   N reshqamatshebrew
N qofhatafpatahhebrew   N reshqubuts
N qofhatafsegol   N reshqubutshebrew
N qofhatafsegolhebrew   N reshsegol
N qofhebrew   N reshsegolhebrew
N qofhiriq   N reshsheva
N qofhiriqhebrew   N reshshevahebrew
N qofholam   N reshtsere
N qofholamhebrew   N reviahebrew
N qofpatah   N samekh
N qofpatahhebrew   N samekhdagesh
N qofqamats   N segol
N qofqamatshebrew   N segol13
N qofqubuts   N segol1f
N qofqubutshebrew   N segol2c
N qofsegol   N segolhebrew
N qofsegolhebrew   N segolnarrowhebrew
N qofsheva   N segolquarterhebrew
N qofshevahebrew   N sevenarabic
N qoftsere   N sfthyphen

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N shaddaarabic                              N vavholam
N sheqel                                     N yerahbenyomohebrew
N sheva                                      N yod
N sheva115                                   N yoddagesh
N sheva15                                    N zayin
N sheva22                                    N zayindagesh
N sheva2e                                    N zdot
N shevahebrew                                N zeroarabic
N shevanarrowhebrew                       D unicodes
N shevaquarterhebrew                      D cache
N shin                                    T ctxcodes
N shindagesh                                 N AEacute
N shindageshshindot                          N AEligature
N shindageshsindot                           N AEmacron
N shinshindot                                N Aacute
N shinsindot                                 N Abreve
N siluqhebrew                                N Abreveacute
N sixarabic                                  N Abrevedotbelow
N tav                                        N Abrevegrave
N tavdages                                   N Abrevehook
N tavdagesh                                  N Abrevetilde
N tcedilla                                   N Acaron
N tchehinitialarabic                         N Acircumflex
N tet                                        N Acircumflexacute
N tetdagesh                                  N Acircumflexdotbelow
N tevirhebrew                                N Acircumflexgrave
N thousandsseparatorarabic                   N Acircumflexhook
N threearabic                                N Acircumflextilde
N tildecmb                                    N Adiaeresis
N tipehahebrew                               N Adiaeresismacron
N tsadi                                       N Adotaccent
N tsadidagesh                                N Adotaccentmacron
N tsere                                      N Adotbelow
N tsere12                                    N Adoublegrave
N tsere1e                                    N Agrave
N tsere2b                                    N Ahook
N tserehebrew                                N Ainvertedbreve
N tserenarrowhebrew                          N Amacron
N tserequarterhebrew                         N Aogonek
N twoarabic                                  N Aring
N udblacute                                  N Aringacute
N vav                                        N Astroke
N vavdagesh                                  N Atilde
N vavdagesh65                                N Bhook
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N Cacute
N Ccaron
N Ccedilla
N Ccircumflex
N Cdotaccent
N Chook
N Cstroke
N DZcaronligature
N DZligature
N Dafrican
N Dcaron
N Dhook
N Dstroke
N Dzcaronligature
N Dzligature
N Eacute
N Ebreve
N Ecaron
N Ecedilla
N Ecircumflex
N Ecircumflexacute
N Ecircumflexdotbelow
N Ecircumflexgrave
N Ecircumflexhook
N Ecircumflextilde
N Ediaeresis
N Edotaccent
N Edotbelow
N Edoublegrave
N Egrave
N Ehook
N Einvertedbreve
N Emacron
N Eogonek
N Eth
N Etilde
N Fhook
N Gacute
N Gbreve
N Gcaron
N Gcircumflex
N Gcommaaccent
N Gdotaccent
N Ghook

N Gstroke
N Hcaron
N Hcircumflex
N Hstroke
N IJligature
N Iacute
N Ibreve
N Icaron
N Icircumflex
N Idiaeresis
N Idotaccent
N Idotbelow
N Idoublegrave
N Igrave
N Ihook
N Iinvertedbreve
N Imacron
N Iogonek
N Istroke
N Itilde
N Jcircumflex
N Kcaron
N Kcommaaccent
N Khook
N LJligature
N Lacute
N Lbar
N Lcaron
N Lcommaaccent
N Ldotmiddle
N Ljligature
N Lstroke
N NJligature
N Nacute
N Ncaron
N Ncommaaccent
N Neng
N Ngrave
N Njligature
N Ntilde
N OEligature
N Oacute
N Obreve
N Ocaron

N Ocircumflex	N Thook
N Ocircumflexacute	N Thorn
N Ocircumflexdotbelow	N Tstroke
N Ocircumflexgrave	N Uacute
N Ocircumflexhook	N Ubreve
N Ocircumflextilde	N Ucaron
N Odiaeresis	N Ucircumflex
N Odiaeresismacron	N Udiaeresis
N Odotaccent	N Udiaeresisacute
N Odotaccentmacron	N Udiaeresiscaron
N Odotbelow	N Udiaeresisgrave
N Odoublegrave	N Udiaeresismacron
N Ograve	N Udotbelow
N Ohook	N Udoublegrave
N Ohorn	N Ugrave
N Ohornacute	N Uhook
N Ohorndotbelow	N Uhorn
N Ohorngrave	N Uhornacute
N Ohornhook	N Uhorndotbelow
N Ohorntilde	N Uhorngrave
N Ohungarumlaut	N Uhornhook
N Oinvertedbreve	N Uhorntilde
N Omacron	N Uhungarumlaut
N Oogonek	N Uinvertedbreve
N Oogonekmacron	N Umacron
N Ostroke	N Uogonek
N Ostrokeacute	N Uring
N Otilde	N Utilde
N Otildemacron	N Wcircumflex
N Phook	N Yacute
N Racute	N Ycircumflex
N Rcaron	N Ydiaeresis
N Rcommaaccent	N Ydotbelow
N Rdoublegrave	N Ygrave
N Rinvertedbreve	N Yhook
N Sacute	N Ymacron
N Scaron	N Ytilde
N Scedilla	N Zacute
N Schwa	N Zcaron
N Scircumflex	N Zdotaccent
N Scommaaccent	N Zhook
N Tcaron	N Zstroke
N Tcedilla	N aacute
N Tcommaaccent	N abreve

N abreveacute
N abrevedotbelow
N abrevegrave
N abrevehook
N abrevetilde
N acaron
N acircumflex
N acircumflexacute
N acircumflexdotbelow
N acircumflexgrave
N acircumflexhook
N acircumflextilde
N adiaeresis
N adiaeresismacron
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N adotaccentmacron
N adotbelow
N adoublegrave
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N aeligature
N aemacron
N agrave
N ahook
N ainvertedbreve
N amacron
N aogonek
N aring
N aringacute
N atilde
N bhook
N breakablethinspace
N bstroke
N cacute
N carriagereturn
N ccaron
N ccedilla
N ccircumflex
N ccurl
N cdotaccent
N chook
N copyright
N cstroke
N cyrillicA
N cyrillicAE

N cyrillicAbreve
N cyrillicAdiaeresis
N cyrillicB
N cyrillicBIGYUS
N cyrillicBIGYUSiotified
N cyrillicC
N cyrillicCH
N cyrillicCHEDC
N cyrillicCHEDCabkhasian
N cyrillicCHEabkhasian
N cyrillicCHEdiaeresis
N cyrillicCHEkhakassian
N cyrillicCHEvertstroke
N cyrillicD
N cyrillicDASIAPNEUMATA
N cyrillicDJE
N cyrillicDZE
N cyrillicDZEabkhasian
N cyrillicDZHE
N cyrillicE
N cyrillicELtail
N cyrillicEMtail
N cyrillicENDC
N cyrillicENGHE
N cyrillicENhook
N cyrillicENtail
N cyrillicEREV
N cyrillicERY
N cyrillicERtick
N cyrillicEbreve
N cyrillicEdiaeresis
N cyrillicEgrave
N cyrillicEiotified
N cyrillicF
N cyrillicFITA
N cyrillicG
N cyrillicGHEmidhook
N cyrillicGHEstroke
N cyrillicGHEupturn
N cyrillicGJE
N cyrillicH
N cyrillicHA
N cyrillicHADC
N cyrillicHRDSN

N cyrillicI
N cyrillicIE
N cyrillicII
N cyrillicISHRT
N cyrillicISHRTtail
N cyrillicIZHITSA
N cyrillicIZHITSAdoublegrave
N cyrillicIdiaeresis
N cyrillicIgrave
N cyrillicImacron
N cyrillicJE
N cyrillicK
N cyrillicKADC
N cyrillicKAbashkir
N cyrillicKAhook
N cyrillicKAstroke
N cyrillicKAvertstroke
N cyrillicKJE
N cyrillicKOPPA
N cyrillicKSI
N cyrillicL
N cyrillicLITTLEYUS
N cyrillicLITTLEYUSiotified
N cyrillicLJE
N cyrillicM
N cyrillicN
N cyrillicNJE
N cyrillicO
N cyrillicOMEGA
N cyrillicOMEGAround
N cyrillicOMEGAtitlo
N cyrillicOT
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N cyrillicObarreddiaeresis
N cyrillicOdiaeresis
N cyrillicP
N cyrillicPALATALIZATION
N cyrillicPALOCHKA
N cyrillicPEmidhook
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N cyrillicPSILIPNEUMATA
N cyrillicR
N cyrillicS
N cyrillicSCHWA

N cyrillicSCHWAdiaeresis
N cyrillicSDSC
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N cyrillicSFTSN
N cyrillicSH
N cyrillicSHCH
N cyrillicSHHA
N cyrillicT
N cyrillicTEDC
N cyrillicTETSE
N cyrillicTITLO
N cyrillicTSHE
N cyrillicU
N cyrillicUK
N cyrillicUSHRT
N cyrillicUdiaeresis
N cyrillicUdoubleacute
N cyrillicUmacron
N cyrillicV
N cyrillicYA
N cyrillicYAT
N cyrillicYERUdiaeresis
N cyrillicYI
N cyrillicYO
N cyrillicYU
N cyrillicYstr
N cyrillicYstrstroke
N cyrillicZ
N cyrillicZDSC
N cyrillicZEdiaeresis
N cyrillicZH
N cyrillicZHEbreve
N cyrillicZHEdescender
N cyrillicZHEdiaeresis
N cyrillica
N cyrillicabreve
N cyrillicadiaeresis
N cyrillicae
N cyrillicb
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N cyrillicbigyusiotified
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N cyrillicchedc
N cyrillicchedcabkhasian
N cyrillicchediaeresis
N cyrillicchekhakassian
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N cyrillicemtail
N cyrillicendc
N cyrillicenghe
N cyrillicenhook
N cyrillicentail
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N cyrillicertick
N cyrillicery
N cyrillicf
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N cyrillicg
N cyrillicghemidhook
N cyrillicghestroke
N cyrillicgheupturn
N cyrillicgje
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N cyrillicha
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N cyrillichrdsn
N cyrillici
N cyrillicidiaeresis
N cyrillicie
N cyrillicigrave
N cyrillicii
N cyrillicimacron
N cyrillicishrt
N cyrillicishrttail
N cyrillicizhitsa

N cyrillicizhitsadoublegrave
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N cyrillickabashkir
N cyrillickadc
N cyrillickahook
N cyrillickastroke
N cyrillickavertstroke
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N cyrilliclittleyusiotified
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N cyrillicodiaeresis
N cyrillicomega
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N cyrillicomegatitlo
N cyrillicot
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N cyrillicpsi
N cyrillicr
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N cyrillicshha
N cyrillict
N cyrillictedc
N cyrillictetse
N cyrillictshe
N cyrillicu

N cyrillicudiaeresis	N edotaccent
N cyrillicudoubleacute	N edotbelow
N cyrillicuk	N edoublegrave
N cyrillicumacron	N egrave
N cyrillicushrt	N ehook
N cyrillicv	N einvertedbreve
N cyrillicya	N emacron
N cyrillicyat	N emdash
N cyrillicyerudiaeresis	N emspace
N cyrillicyi	N endash
N cyrillicyo	N enspace
N cyrillicystr	N eogonek
N cyrillicystrstroke	N etilde
N cyrillicyu	N exclamdown
N cyrillicz	N ffiligature
N cyrilliczdsc	N ffligature
N cyrilliczediaeresis	N fflligature
N cyrilliczh	N fhook
N cyrilliczhebreve	N figurespace
N cyrilliczhedescender	N filigature
N cyrilliczhediaeresis	N fiveeighths
N dcaron	N fivesixths
N dcurl	N flligature
N dhook	N fourfifths
N dotlessI	N fourperemspace
N dotlessJ	N gacute
N dotlessi	N gbreve
N dotlessj	N gcaron
N dotlessjstroke	N gcircumflex
N dstroke	N gcommaaccent
N dtail	N gdotaccent
N dzcaronligature	N greekAlpha
N dzligature	N greekAlphadasia
N eacute	N greekAlphadasiaperispomeni
N ebreve	N greekAlphadasiatonos
N ecaron	N greekAlphadasiavaria
N ecedilla	N greekAlphaiotasub
N ecircumflex	N greekAlphaiotasubdasia
N ecircumflexacute	N greekAlphaiotasubdasiaperispomeni
N ecircumflexdotbelow	N greekAlphaiotasubdasiatonos
N ecircumflexgrave	N greekAlphaiotasubdasiavaria
N ecircumflexhook	N greekAlphaiotasubpsili
N ecircumflextilde	N greekAlphaiotasubpsiliperispomeni
N ediaeresis	N greekAlphaiotasubpsilitonos

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N greekAlphapsiliperispomeni
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N greekAlphavaria
N greekAlphavrachy
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N greekChi
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N greekEpsilondasiavaria
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N greekEpsilontonos
N greekEpsilonvaria
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N greekEtadasiavaria
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N greekIota

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N greekLambda
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N greekOmicronpsilitonos
N greekOmicronpsilivaria

N greekOmicrontonos
N greekOmicronvaria
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N greekPi
N greekPsi
N greekRho
N greekRhodasia
N greekSigma
N greekSigmalunate
N greekTau
N greekTheta
N greekUpsilon
N greekUpsilondasia
N greekUpsilondasiaperispomeni
N greekUpsilondasiatonos
N greekUpsilondasiavaria
N greekUpsilondialytika
N greekUpsilonmacron
N greekUpsilontonos
N greekUpsilonvaria
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N greekepsilondasiavaria
N greekepsilonoxia
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N greekepsilonpsilivaria
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N greekepsilonvaria
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N greeketadasia
N greeketadasiaperispomeni
N greeketadasiatonos
N greeketadasiavaria
N greeketaiotasub
N greeketaiotasubdasia
N greeketaiotasubdasiaperispomeni
N greeketaiotasubdasiatonos
N greeketaiotasubdasiavaria
N greeketaiotasubperispomeni
N greeketaiotasubpsili
N greeketaiotasubpsiliperispomeni
N greeketaiotasubpsilitonos
N greeketaiotasubpsilivaria
N greeketaiotasubtonos

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N greeketaiotasubvaria                          N greekomegaiotasubdasiatonos
N greeketaoxia                                  N greekomegaiotasubdasiavaria
N greeketaperispomeni                           N greekomegaiotasubperispomeni
N greeketapsili                                 N greekomegaiotasubpsili
N greeketapsiliperispomeni                      N greekomegaiotasubpsiliperispomeni
N greeketapsilitonos                            N greekomegaiotasubpsilitonos
N greeketapsilivaria                            N greekomegaiotasubpsilivaria
N greeketatonos                                 N greekomegaiotasubtonos
N greeketavaria                                 N greekomegaiotasubvaria
N greekfinalsigma                               N greekomegaoxia
N greekgamma                                    N greekomegaperispomeni
N greekiota                                     N greekomegapsili
N greekiotadasia                                N greekomegapsiliperispomeni
N greekiotadasiaperispomeni                     N greekomegapsilitonos
N greekiotadasiatonos                           N greekomegapsilivaria
N greekiotadasiavaria                           N greekomegatonos
N greekiotadialytika                            N greekomegavaria
N greekiotadialytikaperispomeni                 N greekomicron
N greekiotadialytikatonos                       N greekomicrondasia
N greekiotadialytikavaria                       N greekomicrondasiatonos
N greekiotamacron                               N greekomicrondasiavaria
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N greekiotaperispomeni                          N greekomicronpsili
N greekiotapsili                                N greekomicronpsilitonos
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N greekiotapsilitonos                           N greekomicrontonos
N greekiotapsilivaria                           N greekomicronvaria
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N greekiotavaria                                N greekperispomeni
N greekiotavrachy                               N greekphi
N greekkappa                                    N greekphialt
N greekkoppa                                    N greekpi
N greeklambda                                   N greekpialt
N greekmu                                       N greekprosgegrammeni
N greeknu                                       N greekpsi
N greeknumkoppa                                 N greekpsili
N greekomega                                    N greekpsiliperispomeni
N greekomegadasia                               N greekpsilitonos
N greekomegadasiaperispomeni                    N greekpsilivaria
N greekomegadasiatonos                          N greekrho
N greekomegadasiavaria                          N greekrhoalt
N greekomegaiotasub                             N greekrhodasia
N greekomegaiotasubdasia                        N greekrhopsili
N greekomegaiotasubdasiaperispomeni             N greeksampi
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N greeksigma	N hebrewLamed
N greeksigmalunate	N hebrewMem
N greekstigma	N hebrewMemfinal
N greektau	N hebrewNun
N greektheta	N hebrewNunfinal
N greekthetaalt	N hebrewPe
N greektonos	N hebrewPefinal
N greekupsilon	N hebrewQof
N greekupsilondasia	N hebrewResh
N greekupsilondasiaperispomeni	N hebrewSamekh
N greekupsilondasiatonos	N hebrewShin
N greekupsilondasiavaria	N hebrewTav
N greekupsilondiaeresis	N hebrewTet
N greekupsilondialytikaperispomeni	N hebrewTsadi
N greekupsilondialytikatonos	N hebrewTsadifinal
N greekupsilondialytikavaria	N hebrewVav
N greekupsilonmacron	N hebrewYod
N greekupsilonoxia	N hebrewZayin
N greekupsilonperispomeni	N hstroke
N greekupsilonpsili	N iacute
N greekupsilonpsiliperispomeni	N ibreve
N greekupsilonpsilitonos	N icaron
N greekupsilonpsilivaria	N icircumflex
N greekupsilontonos	N ideographichalffillspace
N greekupsilonvaria	N ideographicspace
N greekupsilonvrachy	N idiaeresis
N greekvaria	N idotaccent
N greekxi	N idotbelow
N greekzeta	N idoublegrave
N gstroke	N igrave
N guilsingleleft	N ihook
N guilsingleright	N iinvertedbreve
N hairspace	N ijligature
N hcaron	N imacron
N hcircumflex	N iogonek
N hebrewAlef	N itilde
N hebrewAyin	N jcaron
N hebrewBet	N jcircumflex
N hebrewDalet	N kcaron
N hebrewGimel	N kcommaaccent
N hebrewHe	N khook
N hebrewHet	N kkra
N hebrewKaf	N lacute
N hebrewKaffinal	N lbar

N lcaron	N oinvertedbreve
N lcommaaccent	N omacron
N lcurl	N oneeighth
N ldotmiddle	N onefifth
N leftguillemot	N onehalf
N ljligature	N onequarter
N lstroke	N onesixth
N medspace	N onesuperior
N nacute	N onethird
N napostrophe	N oogonek
N narrownobreakspace	N oogonekmacron
N ncaron	N ordfeminine
N ncommaaccent	N ordmasculine
N ncurl	N ostroke
N neng	N ostrokeacute
N ngrave	N otilde
N njligature	N otildemacron
N nobreakspace	N paragraphmark
N ntilde	N periodcentered
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N obreve	N phook
N ocaron	N punctuationspace
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N ocircumflexdotbelow	N quotedblbase
N ocircumflexgrave	N quotedblleft
N ocircumflexhook	N quotedblright
N ocircumflextilde	N quoteleft
N odiaeresis	N quoteright
N odiaeresismacron	N quotesingle
N odotaccent	N quotesinglebase
N odotaccentmacron	N racute
N odotbelow	N rcaron
N odoublegrave	N rcommaaccent
N oeligature	N rdoublegrave
N ograve	N registered
N ohook	N rightguillemot
N ohorn	N rinvertedbreve
N ohornacute	N romanC
N ohorndotbelow	N romanD
N ohorngrave	N romanI
N ohornhook	N romanII
N ohorntilde	N romanIII
N ohungarumlaut	N romanIV

N romanIX	N textAngstrom
N romanL	N textacute
N romanM	N textampersand
N romanV	N textasciicircum
N romanVI	N textasciitilde
N romanVII	N textat
N romanVIII	N textbackslash
N romanX	N textbar
N romanXI	N textbottomcomma
N romanXII	N textbottomdot
N romanc	N textbraceleft
N romand	N textbraceright
N romani	N textbreve
N romanii	N textbrokenbar
N romaniii	N textbullet
N romaniv	N textcaron
N romanix	N textcedilla
N romanl	N textcelsius
N romanm	N textcent
N romanv	N textcircledP
N romanvi	N textcircumflex
N romanvii	N textcomma
N romanviii	N textcurrency
N romanx	N textdag
N romanxi	N textddag
N romanxii	N textdegree
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N scaron	N textdiv
N scedilla	N textdollar
N schwa	N textdong
N schwahook	N textdotaccent
N scircumflex	N textellipsis
N scommaaccent	N texteuro
N sectionmark	N textfraction
N seveneighths	N textgrave
N sixperemspace	N texthash
N slong	N texthorizontalbar
N softhyphen	N texthungarumlaut
N ssharp	N texthyphen
N stligature	N textkelvin
N tcaron	N textlognot
N tcedilla	N textmacron
N tcommaaccent	N textmho
N tcurl	N textminus

N textmu
N textmultiply
N textnumero
N textogonek
N textohm
N textounce
N textpercent
N textperiod
N textpm
N textring
N textslash
N textsterling
N texttilde
N textunderscore
N textyen
N thook
N thorn
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N threeperemspace
N threequarter
N threesuperior
N trademark
N tstroke
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N twothirds
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N udiaeresismacron
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N udoublegrave
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N uhorndotbelow
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N uhornhook
N uhorntilde
N uhungarumlaut
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N umacron
N uogonek
N uring
N utilde
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N yacute
N ycircumflex
N ydiaeresis
N ydotbelow
N ygrave
N yhook
N ymacron
N ytilde
N zacute
N zcaron
N zdotaccent
N zerowidthnobreakspace
N zerowidthspace
N zhook
N zstroke
N zwj
N zwnj
F is_known
D known
F load
F make_unicode_vector
D math
T names
T unicodes
N A
N AE
N AEacute
N AEmacron
N Aacute
N Abreve
N Abreveacute
N Abrevecyrillic
N Abrevedotbelow
N Abrevegrave
N Abrevehookabove

N Abrevetilde	N Ccaron
N Acaron	N Ccedilla
N Acircle	N Ccedillaacute
N Acircumflex	N Ccircle
N Acircumflexacute	N Ccircumflex
N Acircumflexdotbelow	N Cdot
N Acircumflexgrave	N Cdotaccent
N Acircumflexhookabove	N Chaarmenian
N Acircumflextilde	N Cheabkhasiancyrillic
N Acyrillic	N Checyrillic
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N Adieresis	N Chedescendercyrillic
N Adieresiscyrillic	N Chedieresiscyrillic
N Adieresismacron	N Cheharmenian
N Adotbelow	N Chekhakassiancyrillic
N Adotmacron	N Cheverticalstrokecyrillic
N Agrave	N Chi
N Ahookabove	N Chook
N Aiecyrillic	N Cmonospace
N Ainvertedbreve	N Coarmenian
N Alpha	N D
N Alphatonos	N DZ
N Amacron	N DZcaron
N Amonospace	N Daarmenian
N Aogonek	N Dafrican
N Aring	N Dcaron
N Aringacute	N Dcedilla
N Aringbelow	N Dcircle
N Atilde	N Dcircumflexbelow
N Aybarmenian	N Dcroat
N B	N Ddotaccent
N Bcircle	N Ddotbelow
N Bdotaccent	N Decyrillic
N Bdotbelow	N Deicoptic
N Becyrillic	N Delta
N Benarmenian	N Deltagreek
N Beta	N Dhook
N Bhook	N Digammagreek
N Blinebelow	N Djecyrillic
N Bmonospace	N Dlinebelow
N Btopbar	N Dmonospace
N C	N Dslash
N Caarmenian	N Dtopbar
N Cacute	N Dz

N Dzcaron

N Dzeabkhasiancyrillic

N Dzecyrillic

N Dzhecyrillic

N E

N Eacute

N Ebreve

N Ecaron

N Ecedillabreve

N Echarmenian

N Ecircle

N Ecircumflex

N Ecircumflexacute

N Ecircumflexbelow

N Ecircumflexdotbelow

N Ecircumflexgrave

N Ecircumflexhookabove

N Ecircumflextilde

N Ecyrillic

N Edblgrave

N Edieresis

N Edot

N Edotaccent

N Edotbelow

N Efcyrillic

N Egrave

N Eharmenian

N Ehookabove

N Eightroman

N Einvertedbreve

N Eiotifiedcyrillic

N Elcyrillic

N Elevenroman

N Emacron

N Emacronacute

N Emacrongrave

N Emcyrillic

N Emonospace

N Encyrillic

N Endescendercyrillic

N Eng

N Enghecyrillic

N Enhookcyrillic

N Eogonek

N Eopen

N Epsilon

N Epsilontonos

N Ercyrillic

N Ereversed

N Ereversedcyrillic

N Escyrillic

N Esdescendercyrillic

N Esh

N Eta

N Etarmenian

N Etatonos

N Eth

N Etilde

N Etildebelow

N Euro

N Ezh

N Ezhcaron

N Ezhreversed

N F

N Fcircle

N Fdotaccent

N Feharmenian

N Feicoptic

N Fhook

N Fitacyrillic

N Fiveroman

N Fmonospace

N Fourroman

N G

N GBsquare

N Gacute

N Gamma

N Gammaafrican

N Gangiacoptic

N Gbreve

N Gcaron

N Gcedilla

N Gcircle

N Gcircumflex

N Gcommaaccent

N Gdot

N Gdotaccent

N Gecyrillic

N Ghadarmenian

N Ghemiddlehookcyrillic

N Ghestrokecyrillic

N Gheupturncyrillic

N Ghook

N Gimarmenian

N Gjecyrillic

N Gmacron

N Gmonospace

N Gsmallhook

N Gstroke

N H

N H18533

N H18543

N H18551

N H22073

N HPsquare

N Haabkhasiancyrillic

N Hadescendercyrillic

N Hardsigncyrillic

N Hbar

N Hbrevebelow

N Hcedilla

N Hcircle

N Hcircumflex

N Hdieresis

N Hdotaccent

N Hdotbelow

N Hmonospace

N Hoarmenian

N Horicoptic

N Hzsquare

N I

N IAcyrillic

N IJ

N IUcyrillic

N Iacute

N Ibreve

N Icaron

N Icircle

N Icircumflex

N Icyrillic

N Idblgrave

N Idieresis

N Idieresisacute

N Idieresiscyrillic

N Idot

N Idotaccent

N Idotbelow

N Iebrevecyrillic

N Iecyrillic

N Ifraktur

N Igrave

N Ihookabove

N Iicyrillic

N Iinvertedbreve

N Iishortcyrillic

N Imacron

N Imacroncyrillic

N Imonospace

N Iniarmenian

N Iocyrillic

N Iogonek

N Iota

N Iotaafrican

N Iotadieresis

N Iotatonos

N Istroke

N Itilde

N Itildebelow

N Izhitsacyrillic

N Izhitsadblgravecyrillic

N J

N Jaarmenian

N Jcircle

N Jcircumflex

N Jecyrillic

N Jheharmenian

N Jmonospace

N K

N KBsquare

N KKsquare

N Kabashkircyrillic

N Kacute

N Kacyrillic

N Kadescendercyrillic

N Kahookcyrillic

N Kappa

N Kastrokecyrillic

N Kaverticalstrokecyrillic

N Kcaron

N Kcedilla

N Kcircle

N Kcommaaccent

N Kdotbelow

N Keharmenian

N Kenarmenian

N Khacyrillic

N Kheicoptic

N Khook

N Kjecyrillic

N Klinebelow

N Kmonospace

N Koppacyrillic

N Koppagreek

N Ksicyrillic

N L

N LJ

N Lacute

N Lambda

N Lcaron

N Lcedilla

N Lcircle

N Lcircumflexbelow

N Lcommaaccent

N Ldot

N Ldotaccent

N Ldotbelow

N Ldotbelowmacron

N Liwnarmenian

N Lj

N Ljecyrillic

N Llinebelow

N Lmonospace

N Lslash

N M

N MBsquare

N Macute

N Mcircle

N Mdotaccent

N Mdotbelow

N Menarmenian

N Mmonospace

N Mturned

N Mu

N N

N NJ

N Nacute

N Ncaron

N Ncedilla

N Ncircle

N Ncircumflexbelow

N Ncommaaccent

N Ndotaccent

N Ndotbelow

N Nhookleft

N Nineroman

N Nj

N Njecyrillic

N Nlinebelow

N Nmonospace

N Nowarmenian

N Ntilde

N Nu

N O

N OE

N Oacute

N Obarredcyrillic

N Obarreddieresiscyrillic

N Obreve

N Ocaron

N Ocenteredtilde

N Ocircle

N Ocircumflex

N Ocircumflexacute

N Ocircumflexdotbelow

N Ocircumflexgrave

N Ocircumflexhookabove

N Ocircumflextilde

N Ocyrillic

N Odblacute

N Odblgrave

N Odieresis

N Odieresiscyrillic

N Odotbelow

N Ograve

```
N Oharmenian                          N Pi
N Ohm                                 N Piwrarmenian
N Ohookabove                          N Pmonospace
N Ohorn                               N Psi
N Ohornacute                          N Psicyrillic
N Ohorndotbelow                       N Q
N Ohorngrave                          N Qcircle
N Ohornhookabove                      N Qmonospace
N Ohorntilde                          N R
N Ohungarumlaut                       N Raarmenian
N Oi                                  N Racute
N Oinvertedbreve                      N Rcaron
N Omacron                             N Rcedilla
N Omacronacute                        N Rcircle
N Omacrongrave                        N Rcommaaccent
N Omega                               N Rdblgrave
N Omegacyrillic                       N Rdotaccent
N Omegagreek                          N Rdotbelow
N Omegaroundcyrillic                  N Rdotbelowmacron
N Omegatitlocyrillic                  N Reharmenian
N Omegatonos                          N Rfraktur
N Omicron                             N Rho
N Omicrontonos                        N Rinvertedbreve
N Omonospace                          N Rlinebelow
N Oneroman                            N Rmonospace
N Oogonek                             N Rsmallinverted
N Oogonekmacron                       N Rsmallinvertedsuperior
N Oopen                               N S
N Oslash                              N SF010000
N Oslashacute                         N SF020000
N Ostrokeacute                        N SF030000
N Otcyrillic                          N SF040000
N Otilde                              N SF050000
N Otildeacute                         N SF060000
N Otildedieresis                      N SF070000
N P                                   N SF080000
N Pacute                              N SF090000
N Pcircle                             N SF10000
N Pdotaccent                          N SF100000
N Pecyrillic                          N SF110000
N Peharmenian                         N SF190000
N Pemiddlehookcyrillic                N SF20000
N Phi                                 N SF200000
N Phook                               N SF210000
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N SF220000	N Scommaaccent
N SF230000	N Sdotaccent
N SF240000	N Sdotbelow
N SF250000	N Sdotbelowdotaccent
N SF260000	N Seharmenian
N SF270000	N Sevenroman
N SF280000	N Shaarmenian
N SF30000	N Shacyrillic
N SF360000	N Shchacyrillic
N SF370000	N Sheicoptic
N SF380000	N Shhacyrillic
N SF390000	N Shimacoptic
N SF40000	N Sigma
N SF400000	N Sixroman
N SF410000	N Smonospace
N SF420000	N Softsigncyrillic
N SF430000	N Stigmagreek
N SF440000	N T
N SF450000	N Tau
N SF460000	N Tbar
N SF470000	N Tcaron
N SF480000	N Tcedilla
N SF490000	N Tcircle
N SF50000	N Tcircumflexbelow
N SF500000	N Tcommaaccent
N SF510000	N Tdotaccent
N SF520000	N Tdotbelow
N SF530000	N Tecyrillic
N SF540000	N Tedescendercyrillic
N SF60000	N Tenroman
N SF70000	N Tetsecyrillic
N SF80000	N Theta
N SF90000	N Thook
N Sacute	N Thorn
N Sacutedotaccent	N Threeroman
N Sampigreek	N Tiwnarmenian
N Scaron	N Tlinebelow
N Scarondotaccent	N Tmonospace
N Scedilla	N Toarmenian
N Schwa	N Tonefive
N Schwacyrillic	N Tonesix
N Schwadieresiscyrillic	N Tonetwo
N Scircle	N Tretroflexhook
N Scircumflex	N Tsecyrillic

N Tshecyrillic

N Twelveroman

N Tworoman

N U

N Uacute

N Ubreve

N Ucaron

N Ucircle

N Ucircumflex

N Ucircumflexbelow

N Ucyrillic

N Udblacute

N Udblgrave

N Udieresis

N Udieresisacute

N Udieresisbelow

N Udieresiscaron

N Udieresiscyrillic

N Udieresisgrave

N Udieresismacron

N Udotbelow

N Ugrave

N Uhookabove

N Uhorn

N Uhornacute

N Uhorndotbelow

N Uhorngrave

N Uhornhookabove

N Uhorntilde

N Uhungarumlaut

N Uhungarumlautcyrillic

N Uinvertedbreve

N Ukcyrillic

N Umacron

N Umacroncyrillic

N Umacrondieresis

N Umonospace

N Uogonek

N Upsilon

N Upsilon1

N Upsilonacutehooksymbolgreek

N Upsilonafrican

N Upsilondieresis

N Upsilondieresishooksymbolgreek

N Upsilonhooksymbol

N Upsilontonos

N Uring

N Ushortcyrillic

N Ustraightcyrillic

N Ustraightstrokecyrillic

N Utilde

N Utildeacute

N Utildebelow

N V

N Vcircle

N Vdotbelow

N Vecyrillic

N Vewarmenian

N Vhook

N Vmonospace

N Voarmenian

N Vtilde

N W

N Wacute

N Wcircle

N Wcircumflex

N Wdieresis

N Wdotaccent

N Wdotbelow

N Wgrave

N Wmonospace

N X

N Xcircle

N Xdieresis

N Xdotaccent

N Xeharmenian

N Xi

N Xmonospace

N Y

N Yacute

N Yatcyrillic

N Ycircle

N Ycircumflex

N Ydieresis

N Ydotaccent

N Ydotbelow

N Yericyrillic

N Yerudieresiscyrillic

```
N Ygrave                                N abbreviationmarkarmenian
N Yhook                                 N abbreviationsigndeva
N Yhookabove                            N abengali
N Yiarmenian                            N abopomofo
N Yicyrillic                            N abreve
N Yiwnarmenian                          N abreveacute
N Ymonospace                            N abrevecyrillic
N Ytilde                                N abrevedotbelow
N Yusbigcyrillic                        N abrevegrave
N Yusbigiotifiedcyrillic                N abrevehookabove
N Yuslittlecyrillic                     N abrevetilde
N Yuslittleiotifiedcyrillic             N acaron
N Z                                     N acircle
N Zaarmenian                            N acircumflex
N Zacute                                N acircumflexacute
N Zcaron                                N acircumflexdotbelow
N Zcircle                               N acircumflexgrave
N Zcircumflex                           N acircumflexhookabove
N Zdot                                  N acircumflextilde
N Zdotaccent                            N acute
N Zdotbelow                             N acutebelowcmb
N Zecyrillic                            N acutecmb
N Zedescendercyrillic                   N acutecomb
N Zedieresiscyrillic                    N acutedeva
N Zeta                                  N acutelowmod
N Zhearmenian                           N acutetonecmb
N Zhebrevecyrillic                      N acyrillic
N Zhecyrillic                           N adblgrave
N Zhedescendercyrillic                  N addakgurmukhi
N Zhedieresiscyrillic                   N adeva
N Zlinebelow                            N adieresis
N Zmonospace                            N adieresiscyrillic
N Zstroke                               N adieresismacron
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N aabengali                             N adotmacron
N aacute                                N ae
N aadeva                                N aeacute
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N afii57680	N afii63167
N afii57681	N afii64937
N afii57682	N agrave
N afii57683	N agujarati
N afii57684	N agurmukhi
N afii57685	N ahiragana
N afii57686	N ahookabove
N afii57687	N aibengali
N afii57688	N aibopomofo
N afii57689	N aideva
N afii57690	N aiecyrillic
N afii57694	N aigujarati
N afii57695	N aigurmukhi
N afii57700	N aimatragurmukhi
N afii57705	N ainarabic
N afii57716	N ainfinalarabic
N afii57717	N aininitialarabic
N afii57718	N ainmedialarabic
N afii57723	N ainvertedbreve
N afii57793	N aivowelsignbengali
N afii57794	N aivowelsigndeva
N afii57795	N aivowelsigngujarati
N afii57796	N akatakana
N afii57797	N akatakanahalfwidth
N afii57798	N akorean
N afii57799	N alef
N afii57800	N alefarabic
N afii57801	N alefdageshhebrew
N afii57802	N aleffinalarabic

N alefhamzaabovearabic
N alefhamzaabovefinalarabic
N alefhamzabelowarabic
N alefhamzabelowfinalarabic
N alefhebrew
N aleflamedhebrew
N alefmaddaabovearabic
N alefmaddaabovefinalarabic
N alefmaksuraarabic
N alefmaksurafinalarabic
N alefmaksurainitialarabic
N alefmaksuramedialarabic
N alefpatahhebrew
N alefqamatshebrew
N aleph
N allequal
N alpha
N alphatonos
N amacron
N amonospace
N ampersand
N ampersandmonospace
N amsquare
N anbopomofo
N angbopomofo
N angkhankhuthai
N angle
N anglebracketleft
N anglebracketleftvertical
N anglebracketright
N anglebracketrightvertical
N angleleft
N angleright
N angstrom
N anoteleia
N anudattadeva
N anusvarabengali
N anusvaradeva
N anusvaragujarati
N aogonek
N apaatosquare
N aparen
N apostrophearmenian
N apostrophemod

N apple
N approaches
N approxequal
N approxequalorimage
N approximatelyequal
N araeaekorean
N araeakorean
N arc
N arighthalfring
N aring
N aringacute
N aringbelow
N arrowboth
N arrowdashdown
N arrowdashleft
N arrowdashright
N arrowdashup
N arrowdblboth
N arrowdbldown
N arrowdblleft
N arrowdblright
N arrowdblup
N arrowdown
N arrowdownleft
N arrowdownright
N arrowdownwhite
N arrowheaddownmod
N arrowheadleftmod
N arrowheadrightmod
N arrowheadupmod
N arrowleft
N arrowleftdbl
N arrowleftdblstroke
N arrowleftoverright
N arrowleftwhite
N arrowright
N arrowrightdblstroke
N arrowrightheavy
N arrowrightoverleft
N arrowrightwhite
N arrowtableft
N arrowtabright
N arrowup
N arrowupdn

N arrowupdnbse

N arrowupdownbase

N arrowupleft

N arrowupleftofdown

N arrowupright

N arrowupwhite

N asciicircum

N asciicircummonospace

N asciitilde

N asciitildemonospace

N ascript

N ascriptturned

N asmallhiragana

N asmallkatakana

N asmallkatakanahalfwidth

N asterisk

N asteriskaltonearabic

N asteriskarabic

N asteriskmath

N asteriskmonospace

N asterisksmall

N asterism

N asymptoticallyequal

N at

N atilde

N atmonospace

N atsmall

N aturned

N aubengali

N aubopomofo

N audeva

N augujarati

N augurmukhi

N aulengthmarkbengali

N aumatragurmukhi

N auvowelsignbengali

N auvowelsigndeva

N auvowelsigngujarati

N avagrahadeva

N aybarmenian

N ayin

N ayinaltonehebrew

N ayinhebrew

N b

N babengali

N backslash

N backslashmonospace

N badeva

N bagujarati

N bagurmukhi

N bahiragana

N bahtthai

N bakatakana

N bar

N barmonospace

N bbopomofo

N bcircle

N bdotaccent

N bdotbelow

N beamedsixteenthnotes

N because

N becyrillic

N beharabic

N behfinalarabic

N behinitialarabic

N behiragana

N behmedialarabic

N behmeeminitialarabic

N behmeemisolatedarabic

N behnoonfinalarabic

N bekatakana

N benarmenian

N bet

N beta

N betasymbolgreek

N betdagesh

N betdageshhebrew

N bethebrew

N betrafehebrew

N bhabengali

N bhadeva

N bhagujarati

N bhagurmukhi

N bhook

N bihiragana

N bikatakana

N bilabialclick

N bindigurmukhi

N birusquare	N breve
N blackcircle	N brevebelowcmb
N blackdiamond	N brevecmb
N blackdownpointingtriangle	N breveinvertedbelowcmb
N blackleftpointingpointer	N breveinvertedcmb
N blackleftpointingtriangle	N breveinverteddoublecmb
N blacklenticularbracketleft	N bridgebelowcmb
N blacklenticularbracketleftvertical	N bridgeinvertedbelowcmb
N blacklenticularbracketright	N brokenbar
N blacklenticularbracketrightvertical	N bstroke
N blacklowerlefttriangle	N btopbar
N blacklowerrighttriangle	N buhiragana
N blackrectangle	N bukatakana
N blackrightpointingpointer	N bullet
N blackrightpointingtriangle	N bulletinverse
N blacksmallsquare	N bulletoperator
N blacksmilingface	N bullseye
N blacksquare	N c
N blackstar	N caarmenian
N blackupperlefttriangle	N cabengali
N blackupperrighttriangle	N cacute
N blackuppointingsmalltriangle	N cadeva
N blackuppointingtriangle	N cagujarati
N blank	N cagurmukhi
N blinebelow	N calsquare
N block	N candrabindubengali
N bmonospace	N candrabinducmb
N bobaimaithai	N candrabindudeva
N bohiragana	N candrabindugujarati
N bokatakana	N capslock
N bparen	N careof
N bqsquare	N caron
N braceleft	N caronbelowcmb
N braceleftmonospace	N caroncmb
N braceleftsmall	N carriagereturn
N braceleftvertical	N cbopomofo
N braceright	N ccaron
N bracerightmonospace	N ccedilla
N bracerightsmall	N ccedillaacute
N bracerightvertical	N ccircle
N bracketleft	N ccircumflex
N bracketleftmonospace	N ccurl
N bracketright	N cdot
N bracketrightmonospace	N cdotaccent

N cdsquare

N cedilla

N cedillacmb

N cent

N centigrade

N centmonospace

N chaarmenian

N chabengali

N chadeva

N chagujarati

N chagurmukhi

N chbopomofo

N cheabkhasiancyrillic

N checkmark

N checyrillic

N chedescenderabkhasiancyrillic

N chedescendercyrillic

N chedieresiscyrillic

N cheharmenian

N chekhakassiancyrillic

N cheverticalstrokecyrillic

N chi

N chieuchacirclekorean

N chieuchaparenkorean

N chieuchcirclekorean

N chieuchkorean

N chieuchparenkorean

N chochangthai

N chochanthai

N chochingthai

N chochoethai

N chook

N cieucacirclekorean

N cieucaparenkorean

N cieucircirclekorean

N cieuckorean

N cieucparenkorean

N cieucuparenkorean

N circle

N circlemultiply

N circleot

N circleplus

N circlepostalmark

N circlewithlefthalfblack

N circlewithrighthalfblack

N circumflex

N circumflexbelowcmb

N circumflexcmb

N clear

N clickalveolar

N clickdental

N clicklateral

N clickretroflex

N club

N clubsuitblack

N clubsuitwhite

N cmcubedsquare

N cmonospace

N cmsquaredsquare

N coarmenian

N colon

N colonmonetary

N colonmonospace

N colonsign

N colonsmall

N colontriangularhalfmod

N colontriangularmod

N comma

N commaabovecmb

N commaaboverightcmb

N commaarabic

N commaarmenian

N commamonospace

N commareversedabovecmb

N commareversedmod

N commasmall

N commaturnedabovecmb

N commaturnedmod

N compass

N congruent

N contourintegral

N control

N controlACK

N controlBEL

N controlBS

N controlCAN

N controlCR

N controlDC1

N controlDC2
N controlDC3
N controlDC4
N controlDEL
N controlDLE
N controlEM
N controlENQ
N controlEOT
N controlESC
N controlETB
N controlETX
N controlFF
N controlFS
N controlGS
N controlHT
N controlLF
N controlNAK
N controlRS
N controlSI
N controlSO
N controlSOT
N controlSTX
N controlSUB
N controlSYN
N controlUS
N controlVT
N copyright
N cornerbracketleft
N cornerbracketlefthalfwidth
N cornerbracketleftvertical
N cornerbracketright
N cornerbracketrighthalfwidth
N cornerbracketrightvertical
N corporationsquare
N cosquare
N coverkgsquare
N cparen
N cruzeiro
N cstretched
N curlyand
N curlyor
N currency
N d
N daarmenian

N dabengali
N dadarabic
N dadeva
N dadfinalarabic
N dadinitialarabic
N dadmedialarabic
N dagesh
N dageshhebrew
N dagger
N daggerdbl
N dagujarati
N dagurmukhi
N dahiragana
N dakatakana
N dalarabic
N dalet
N daletdagesh
N daletdageshhebrew
N dalethatafpatah
N dalethatafpatahhebrew
N dalethatafsegol
N dalethatafsegolhebrew
N dalethebrew
N dalethiriq
N dalethiriqhebrew
N daletholam
N daletholamhebrew
N daletpatah
N daletpatahhebrew
N daletqamats
N daletqamatshebrew
N daletqubuts
N daletqubutshebrew
N daletsegol
N daletsegolhebrew
N daletsheva
N daletshevahebrew
N dalettsere
N dalettserehebrew
N dalfinalarabic
N dammaarabic
N dammalowarabic
N dammatanaltonearabic
N dammatanarabic

N danda
N dargahebrew
N dargalefthebrew
N dasiapneumatacyrilliccmb
N dblanglebracketleft
N dblanglebracketleftvertical
N dblanglebracketright
N dblanglebracketrightvertical
N dblarchinvertedbelowcmb
N dblarrowleft
N dblarrowright
N dbldanda
N dblgravecmb
N dblintegral
N dbllowline
N dbllowlinecmb
N dbloverlinecmb
N dblprimemod
N dblverticalbar
N dblverticallineabovecmb
N dbopomofo
N dbsquare
N dcaron
N dcedilla
N dcircle
N dcircumflexbelow
N dcroat
N ddabengali
N ddadeva
N ddagujarati
N ddagurmukhi
N ddalarabic
N ddalfinalarabic
N dddhadeva
N ddhabengali
N ddhadeva
N ddhagujarati
N ddhagurmukhi
N ddotaccent
N ddotbelow
N decimalseparatorarabic
N decimalseparatorpersian
N decyrillic
N degree

N dehihebrew
N dehiragana
N deicoptic
N dekatakana
N deleteleft
N deleteright
N delta
N deltaturned
N denominatorminusonenumeratorbengali
N dezh
N dhabengali
N dhadeva
N dhagujarati
N dhagurmukhi
N dhook
N dialytikatonos
N dialytikatonoscmb
N diamond
N diamondsuitwhite
N dieresis
N dieresisbelowcmb
N dieresiscmb
N dieresistonos
N dihiragana
N dikatakana
N dittomark
N divide
N divides
N divisionslash
N djecyrillic
N dkshade
N dlinebelow
N dlsquare
N dmacron
N dmonospace
N dnblock
N dochadathai
N dodekthai
N dohiragana
N dokatakana
N dollar
N dollarmonospace
N dollarsmall
N dong

N dorusquare
N dotaccent
N dotaccentcmb
N dotbelowcmb
N dotbelowcomb
N dotkatakana
N dotlessi
N dotlessj
N dotlessjstrokehook
N dotmath
N dottedcircle
N doubleyodpatah
N doubleyodpatahhebrew
N downtackbelowcmb
N downtackmod
N dparen
N dtail
N dtopbar
N duhiragana
N dukatakana
N dz
N dzaltone
N dzcaron
N dzcurl
N dzeabkhasiancyrillic
N dzecyrillic
N dzhecyrillic
N e
N eacute
N earth
N ebengali
N ebopomofo
N ebreve
N ecandradeva
N ecandragujarati
N ecandravowelsigndeva
N ecandravowelsigngujarati
N ecaron
N ecedillabreve
N echarmenian
N echyiwnarmenian
N ecircle
N ecircumflex
N ecircumflexacute

N ecircumflexbelow
N ecircumflexdotbelow
N ecircumflexgrave
N ecircumflexhookabove
N ecircumflextilde
N ecyrillic
N edblgrave
N edeva
N edieresis
N edot
N edotaccent
N edotbelow
N eegurmukhi
N eematragurmukhi
N efcyrillic
N egrave
N egujarati
N eharmenian
N ehbopomofo
N ehiragana
N ehookabove
N eibopomofo
N eight
N eightarabic
N eightbengali
N eightcircle
N eightcircleinversesansserif
N eightdeva
N eighteencircle
N eighteenparen
N eighteenperiod
N eightgujarati
N eightgurmukhi
N eighthackarabic
N eighthangzhou
N eighthnotebeamed
N eightideographicparen
N eightinferior
N eightmonospace
N eightparen
N eightperiod
N eightpersian
N eightroman
N eightsuperior

N eightthai
N einvertedbreve
N eiotifiedcyrillic
N ekatakana
N ekatakanahalfwidth
N ekonkargurmukhi
N ekorean
N elcyrillic
N element
N elevencircle
N elevenparen
N elevenperiod
N elevenroman
N ellipsis
N ellipsisvertical
N emacron
N emacronacute
N emacrongrave
N emcyrillic
N emdash
N emdashvertical
N emonospace
N emphasismarkarmenian
N emptyset
N enbopomofo
N encyrillic
N endash
N endashvertical
N endescendercyrillic
N eng
N engbopomofo
N enghecyrillic
N enhookcyrillic
N enspace
N eogonek
N eokorean
N eopen
N eopenclosed
N eopenreversed
N eopenreversedclosed
N eopenreversedhook
N eparen
N epsilon
N epsilontonos

N equal
N equalmonospace
N equalsmall
N equalsuperior
N equivalence
N erbopomofo
N ercyrillic
N ereversed
N ereversedcyrillic
N escyrillic
N esdescendercyrillic
N esh
N eshcurl
N eshortdeva
N eshortvowelsigndeva
N eshreversedloop
N eshsquatreversed
N esmallhiragana
N esmallkatakana
N esmallkatakanahalfwidth
N estimated
N eta
N etarmenian
N etatonos
N eth
N etilde
N etildebelow
N etnahtafoukhhebrew
N etnahtafoukhlefthebrew
N etnahtahebrew
N etnahtalefthebrew
N eturned
N eukorean
N euro
N evowelsignbengali
N evowelsigndeva
N evowelsigngujarati
N exclam
N exclamarmenian
N exclamdbl
N exclamdown
N exclammonospace
N existential
N ezh

N ezhcaron
N ezhcurl
N ezhreversed
N ezhtail
N f
N fadeva
N fagurmukhi
N fahrenheit
N fathaarabic
N fathalowarabic
N fathatanarabic
N fbopomofo
N fcircle
N fdotaccent
N feharabic
N feharmenian
N fehfinalarabic
N fehinitialarabic
N fehmedialarabic
N feicoptic
N female
N ff
N ffi
N ffl
N fi
N fifteencircle
N fifteenparen
N fifteenperiod
N figuredash
N filledbox
N filledrect
N finalkaf
N finalkafdagesh
N finalkafdageshhebrew
N finalkafhebrew
N finalkafqamats
N finalkafqamatshebrew
N finalkafsheva
N finalkafshevahebrew
N finalmem
N finalmemhebrew
N finalnun
N finalnunhebrew
N finalpe

N finalpehebrew
N finaltsadi
N finaltsadihebrew
N firsttonechinese
N fisheye
N fitacyrillic
N five
N fivearabic
N fivebengali
N fivecircle
N fivecircleinversesansserif
N fivedeva
N fiveeighths
N fivegujarati
N fivegurmukhi
N fivehackarabic
N fivehangzhou
N fiveideographicparen
N fiveinferior
N fivemonospace
N fiveparen
N fiveperiod
N fivepersian
N fiveroman
N fivesuperior
N fivethai
N fl
N florin
N fmonospace
N fmsquare
N fofanthai
N fofathai
N fongmanthai
N forall
N four
N fourarabic
N fourbengali
N fourcircle
N fourcircleinversesansserif
N fourdeva
N fourgujarati
N fourgurmukhi
N fourhackarabic
N fourhangzhou

N fourideographicparen
N fourinferior
N fourmonospace
N fournumeratorbengali
N fourparen
N fourperiod
N fourpersian
N fourroman
N foursuperior
N fourteencircle
N fourteenparen
N fourteenperiod
N fourthai
N fourthtonechinese
N fparen
N fraction
N franc
N g
N gabengali
N gacute
N gadeva
N gafarabic
N gaffinalarabic
N gafinitialarabic
N gafmedialarabic
N gagujarati
N gagurmukhi
N gahiragana
N gakatakana
N gamma
N gammalatinsmall
N gammasuperior
N gangiacoptic
N gbopomofo
N gbreve
N gcaron
N gcedilla
N gcircle
N gcircumflex
N gcommaaccent
N gdot
N gdotaccent
N gecyrillic
N gehiragana

N gekatakana
N geometricallyequal
N gereshaccenthebrew
N gereshhebrew
N gereshmuqdamhebrew
N germandbls
N gershayimaccenthebrew
N gershayimhebrew
N getamark
N ghabengali
N ghadarmenian
N ghadeva
N ghagujarati
N ghagurmukhi
N ghainarabic
N ghainfinalarabic
N ghaininitialarabic
N ghainmedialarabic
N ghemiddlehookcyrillic
N ghestrokecyrillic
N gheupturncyrillic
N ghhadeva
N ghhagurmukhi
N ghook
N ghzsquare
N gihiragana
N gikatakana
N gimarmenian
N gimel
N gimeldagesh
N gimeldageshhebrew
N gimelhebrew
N gjecyrillic
N glottalinvertedstroke
N glottalstop
N glottalstopinverted
N glottalstopmod
N glottalstopreversed
N glottalstopreversedmod
N glottalstopreversedsuperior
N glottalstopstroke
N glottalstopstrokereversed
N gmacron
N gmonospace

N gohiragana
N gokatakana
N gparen
N gpasquare
N gradient
N grave
N gravebelowcmb
N gravecmb
N gravecomb
N gravedeva
N gravelowmod
N gravemonospace
N gravetonecmb
N greater
N greaterequal
N greaterequalorless
N greatermonospace
N greaterorequivalent
N greaterorless
N greateroverequal
N greatersmall
N gscript
N gstroke
N guhiragana
N guillemotleft
N guillemotright
N guilsinglleft
N guilsinglright
N gukatakana
N guramusquare
N gysquare
N h
N haabkhasiancyrillic
N haaltonearabic
N habengali
N hadescendercyrillic
N hadeva
N hagujarati
N hagurmukhi
N haharabic
N hahfinalarabic
N hahinitialarabic
N hahiragana
N hahmedialarabic

N haitusquare
N hakatakana
N hakatakanahalfwidth
N halantgurmukhi
N hamzaarabic
N hamzadammaarabic
N hamzadammatanarabic
N hamzafathaarabic
N hamzafathatanarabic
N hamzalowarabic
N hamzalowkasraarabic
N hamzalowkasratanarabic
N hamzasukunarabic
N hangulfiller
N hardsigncyrillic
N harpoonleftbarbup
N harpoonrightbarbup
N hasquare
N hatafpatah
N hatafpatah16
N hatafpatah23
N hatafpatah2f
N hatafpatahhebrew
N hatafpatahnarrowhebrew
N hatafpatahquarterhebrew
N hatafpatahwidehebrew
N hatafqamats
N hatafqamats1b
N hatafqamats28
N hatafqamats34
N hatafqamatshebrew
N hatafqamatsnarrowhebrew
N hatafqamatsquarterhebrew
N hatafqamatswidehebrew
N hatafsegol
N hatafsegol17
N hatafsegol24
N hatafsegol30
N hatafsegolhebrew
N hatafsegolnarrowhebrew
N hatafsegolquarterhebrew
N hatafsegolwidehebrew
N hbar
N hbopomofo

N hbrevebelow

N hcedilla

N hcircle

N hcircumflex

N hdieresis

N hdotaccent

N hdotbelow

N he

N heart

N heartsuitblack

N heartsuitwhite

N hedagesh

N hedageshhebrew

N hehaltonearabic

N heharabic

N hehebrew

N hehfinalaltonearabic

N hehfinalalttwoarabic

N hehfinalarabic

N hehhamzaabovefinalarabic

N hehhamzaaboveisolatedarabic

N hehinitialaltonearabic

N hehinitialarabic

N hehiragana

N hehmedialaltonearabic

N hehmedialarabic

N heiseierasquare

N hekatakana

N hekatakanahalfwidth

N hekutaarusquare

N henghook

N herutusquare

N het

N hethebrew

N hhook

N hhooksuperior

N hieuhacirclekorean

N hieuhaparenkorean

N hieuhcirclekorean

N hieuhkorean

N hieuhparenkorean

N hihiragana

N hikatakana

N hikatakanahalfwidth

N hiriq

N hiriq14

N hiriq21

N hiriq2d

N hiriqhebrew

N hiriqnarrowhebrew

N hiriqquarterhebrew

N hiriqwidehebrew

N hlinebelow

N hmonospace

N hoarmenian

N hohipthai

N hohiragana

N hokatakana

N hokatakanahalfwidth

N holam

N holam19

N holam26

N holam32

N holamhebrew

N holamnarrowhebrew

N holamquarterhebrew

N holamwidehebrew

N honokhukthai

N hookabovecomb

N hookcmb

N hookpalatalizedbelowcmb

N hookretroflexbelowcmb

N hoonsquare

N horicoptic

N horizontalbar

N horncmb

N hotsprings

N house

N hparen

N hsuperior

N hturned

N huhiragana

N huiitosquare

N hukatakana

N hukatakanahalfwidth

N hungarumlaut

N hungarumlautcmb

N hv

N hyphen
N hyphenmonospace
N hyphensmall
N hyphentwo
N i
N iacute
N iacyrillic
N ibengali
N ibopomofo
N ibreve
N icaron
N icircle
N icircumflex
N icyrillic
N idblgrave
N ideographearthcircle
N ideographfirecircle
N ideographicallianceparen
N ideographiccallparen
N ideographiccentrecircle
N ideographicclose
N ideographiccomma
N ideographiccommaleft
N ideographiccongratulationparen
N ideographiccorrectcircle
N ideographicearthparen
N ideographicenterpriseparen
N ideographicexcellentcircle
N ideographicfestivalparen
N ideographicfinancialcircle
N ideographicfinancialparen
N ideographicfireparen
N ideographichaveparen
N ideographichighcircle
N ideographiciterationmark
N ideographiclaborcircle
N ideographiclaborparen
N ideographicleftcircle
N ideographiclowcircle
N ideographicmedicinecircle
N ideographicmetalparen
N ideographicmoonparen
N ideographicnameparen
N ideographicperiod

N ideographicprintcircle
N ideographicreachparen
N ideographicrepresentparen
N ideographicresourceparen
N ideographicrightcircle
N ideographicsecretcircle
N ideographicselfparen
N ideographicsocietyparen
N ideographicspace
N ideographicspecialparen
N ideographicstockparen
N ideographicstudyparen
N ideographicsunparen
N ideographicsuperviseparen
N ideographicwaterparen
N ideographicwoodparen
N ideographiczero
N ideographmetalcircle
N ideographmooncircle
N ideographnamecircle
N ideographsuncircle
N ideographwatercircle
N ideographwoodcircle
N ideva
N idieresis
N idieresisacute
N idieresiscyrillic
N idotbelow
N iebrevecyrillic
N iecyrillic
N ieungacirclekorean
N ieungaparenkorean
N ieungcirclekorean
N ieungkorean
N ieungparenkorean
N igrave
N igujarati
N igurmukhi
N ihiragana
N ihookabove
N iibengali
N iicyrillic
N iideva
N iigujarati

N iigurmukhi	N istroke
N iimatragurmukhi	N iterationhiragana
N iinvertedbreve	N iterationkatakana
N iishortcyrillic	N itilde
N iivowelsignbengali	N itildebelow
N iivowelsigndeva	N iubopomofo
N iivowelsigngujarati	N iucyrillic
N ij	N ivowelsignbengali
N ikatakana	N ivowelsigndeva
N ikatakanahalfwidth	N ivowelsigngujarati
N ikorean	N izhitsacyrillic
N ilde	N izhitsadblgravecyrillic
N iluyhebrew	N j
N imacron	N jaarmenian
N imacroncyrillic	N jabengali
N imageorapproximatelyequal	N jadeva
N imatragurmukhi	N jagujarati
N imonospace	N jagurmukhi
N increment	N jbopomofo
N infinity	N jcaron
N iniarmenian	N jcircle
N integral	N jcircumflex
N integralbottom	N jcrossedtail
N integralbt	N jdotlessstroke
N integraltop	N jecyrillic
N integraltp	N jeemarabic
N intersection	N jeemfinalarabic
N intisquare	N jeeminitialarabic
N invbullet	N jeemmedialarabic
N invcircle	N jeharabic
N invsmileface	N jehfinalarabic
N iocyrillic	N jhabengali
N iogonek	N jhadeva
N iota	N jhagujarati
N iotadieresis	N jhagurmukhi
N iotadieresistonos	N jheharmenian
N iotalatin	N jis
N iotatonos	N jmonospace
N iparen	N jparen
N irigurmukhi	N jsuperior
N ismallhiragana	N k
N ismallkatakana	N kabashkircyrillic
N ismallkatakanahalfwidth	N kabengali
N issharbengali	N kacute

N kacyrillic
N kadescendercyrillic
N kadeva
N kaf
N kafarabic
N kafdagesh
N kafdageshhebrew
N kaffinalarabic
N kafhebrew
N kafinitialarabic
N kafmedialarabic
N kafrafehebrew
N kagujarati
N kagurmukhi
N kahiragana
N kahookcyrillic
N kakatakana
N kakatakanahalfwidth
N kappa
N kappasymbolgreek
N kapyeounmieumkorean
N kapyeounphieuphkorean
N kapyeounpieupkorean
N kapyeounssangpieupkorean
N karoriisquare
N kashidaautoarabic
N kashidaautonosidebearingarabic
N kasmallkatakana
N kasquare
N kasraarabic
N kasratanarabic
N kastrokecyrillic
N katahiraprolongmarkhalfwidth
N kaverticalstrokecyrillic
N kbopomofo
N kcalsquare
N kcaron
N kcedilla
N kcircle
N kcommaaccent
N kdotbelow
N keharmenian
N kehiragana
N kekatakana

N kekatakanahalfwidth
N kenarmenian
N kesmallkatakana
N kgreenlandic
N khabengali
N khacyrillic
N khadeva
N khagujarati
N khagurmukhi
N khaharabic
N khahfinalarabic
N khahinitialarabic
N khahmedialarabic
N kheicoptic
N khhadeva
N khhagurmukhi
N khieukhacirclekorean
N khieukhaparenkorean
N khieukhcirclekorean
N khieukhkorean
N khieukhparenkorean
N khokhaithai
N khokhonthai
N khokhuatthai
N khokhwaithai
N khomutthai
N khook
N khorakhangthai
N khzsquare
N kihiragana
N kikatakana
N kikatakanahalfwidth
N kiroguramusquare
N kiromeetorusquare
N kirosquare
N kiyeokacirclekorean
N kiyeokaparenkorean
N kiyeokcirclekorean
N kiyeokkorean
N kiyeokparenkorean
N kiyeoksioskorean
N kjecyrillic
N klinebelow
N klsquare

N kmcubedsquare
N kmonospace
N kmsquaredsquare
N kohiragana
N kohmsquare
N kokaithai
N kokatakana
N kokatakanahalfwidth
N kooposquare
N koppacyrillic
N koreanstandardsymbol
N koroniscmb
N kparen
N kpasquare
N ksicyrillic
N ktsquare
N kturned
N kuhiragana
N kukatakana
N kukatakanahalfwidth
N kvsquare
N kwsquare
N l
N labengali
N lacute
N ladeva
N lagujarati
N lagurmukhi
N lakkhangyaothai
N lamaleffinalarabic
N lamalefhamzaabovefinalarabic
N lamalefhamzaaboveisolatedarabic
N lamalefhamzabelowfinalarabic
N lamalefhamzabelowisolatedarabic
N lamalefisolatedarabic
N lamalefmaddaabovefinalarabic
N lamalefmaddaaboveisolatedarabic
N lamarabic
N lambda
N lambdastroke
N lamed
N lameddagesh
N lameddageshhebrew
N lamedhebrew

N lamedholam
N lamedholamdagesh
N lamedholamdageshhebrew
N lamedholamhebrew
N lamfinalarabic
N lamhahinitialarabic
N laminitialarabic
N lamjeeminitialarabic
N lamkhahinitialarabic
N lamlamhehisolatedarabic
N lammedialarabic
N lammeemhahinitialarabic
N lammeeminitialarabic
N lammeemjeeminitialarabic
N lammeemkhahinitialarabic
N largecircle
N lbar
N lbelt
N lbopomofo
N lcaron
N lcedilla
N lcircle
N lcircumflexbelow
N lcommaaccent
N ldot
N ldotaccent
N ldotbelow
N ldotbelowmacron
N leftangleabovecmb
N lefttackbelowcmb
N less
N lessequal
N lessequalorgreater
N lessmonospace
N lessorequivalent
N lessorgreater
N lessoverequal
N lesssmall
N lezh
N lfblock
N lhookretroflex
N lira
N liwnarmenian
N lj

N ljecyrillic
N lladeva
N llagujarati
N llinebelow
N llladeva
N llvocalicbengali
N llvocalicdeva
N llvocalicvowelsignbengali
N llvocalicvowelsigndeva
N lmiddletilde
N lmonospace
N lmsquare
N lochulathai
N logicaland
N logicalnot
N logicalnotreversed
N logicalor
N lolingthai
N longs
N lowlinecenterline
N lowlinecmb
N lowlinedashed
N lozenge
N lparen
N lslash
N lsquare
N ltshade
N luthai
N lvocalicbengali
N lvocalicdeva
N lvocalicvowelsignbengali
N lvocalicvowelsigndeva
N lxsquare
N m
N mabengali
N macron
N macronbelowcmb
N macroncmb
N macronlowmod
N macronmonospace
N macute
N madeva
N magujarati
N magurmukhi

N mahapakhhebrew
N mahapakhlefthebrew
N mahiragana
N maichattawathai
N maiekthai
N maihanakatthai
N maitaikhuthai
N maithothai
N maitrithai
N maiyamokthai
N makatakana
N makatakanahalfwidth
N male
N mansyonsquare
N maqafhebrew
N mars
N masoracirclehebrew
N masquare
N mbopomofo
N mbsquare
N mcircle
N mcubedsquare
N mdotaccent
N mdotbelow
N meemarabic
N meemfinalarabic
N meeminitialarabic
N meemmedialarabic
N meemmeeminitialarabic
N meemmeemisolatedarabic
N meetorusquare
N mehiragana
N meizierasquare
N mekatakana
N mekatakanahalfwidth
N mem
N memdagesh
N memdageshhebrew
N memhebrew
N menarmenian
N merkhahebrew
N merkhakefulahebrew
N merkhakefulalefthebrew
N merkhalefthebrew

N mhook
N mhzsquare
N middledotkatakanahalfwidth
N middot
N mieumacirclekorean
N mieumaparenkorean
N mieumcirclekorean
N mieumkorean
N mieumpansioskorean
N mieumparenkorean
N mieumpieupkorean
N mieumsioskorean
N mihiragana
N mikatakana
N mikatakanahalfwidth
N minus
N minusbelowcmb
N minuscircle
N minusmod
N minusplus
N minute
N miribaarusquare
N mirisquare
N mlonglegturned
N mlsquare
N mmcubedsquare
N mmonospace
N mmsquaredsquare
N mohiragana
N mohmsquare
N mokatakana
N mokatakanahalfwidth
N molsquare
N momathai
N moverssquare
N moverssquaredsquare
N mparen
N mpasquare
N mssquare
N mturned
N mu
N mu1
N muasquare
N muchgreater

N muchless
N mufsquare
N mugreek
N mugsquare
N muhiragana
N mukatakana
N mukatakanahalfwidth
N mulsquare
N multiply
N mumsquare
N munahhebrew
N munahlefthebrew
N musicalnote
N musicalnotedbl
N musicflatsign
N musicsharpsign
N mussquare
N muvsquare
N muwsquare
N mvmegasquare
N mvsquare
N mwmegasquare
N mwsquare
N n
N nabengali
N nabla
N nacute
N nadeva
N nagujarati
N nagurmukhi
N nahiragana
N nakatakana
N nakatakanahalfwidth
N napostrophe
N nasquare
N nbopomofo
N nbspace
N ncaron
N ncedilla
N ncircle
N ncircumflexbelow
N ncommaaccent
N ndotaccent
N ndotbelow

N nehiragana
N nekatakana
N nekatakanahalfwidth
N newsheqelsign
N nfsquare
N ngabengali
N ngadeva
N ngagujarati
N ngagurmukhi
N ngonguthai
N nhiragana
N nhookleft
N nhookretroflex
N nieunacirclekorean
N nieunaparenkorean
N nieuncieuckorean
N nieuncirclekorean
N nieunhieuhkorean
N nieunkorean
N nieunpansioskorean
N nieunparenkorean
N nieunsioskorean
N nieuntikeutkorean
N nihiragana
N nikatakana
N nikatakanahalfwidth
N nikhahitthai
N nine
N ninearabic
N ninebengali
N ninecircle
N ninecircleinversesansserif
N ninedeva
N ninegujarati
N ninegurmukhi
N ninehackarabic
N ninehangzhou
N nineideographicparen
N nineinferior
N ninemonospace
N nineparen
N nineperiod
N ninepersian
N nineroman

N ninesuperior
N nineteencircle
N nineteenparen
N nineteenperiod
N ninethai
N nj
N njecyrillic
N nkatakana
N nkatakanahalfwidth
N nlegrightlong
N nlinebelow
N nmonospace
N nmsquare
N nnabengali
N nnadeva
N nnagujarati
N nnagurmukhi
N nnnadeva
N nohiragana
N nokatakana
N nokatakanahalfwidth
N nonbreakingspace
N nonenthai
N nonuthai
N noonarabic
N noonfinalarabic
N noonghunnaarabic
N noonghunnafinalarabic
N noonhehinitialarabic
N nooninitialarabic
N noonjeeminitialarabic
N noonjeemisolatedarabic
N noonmedialarabic
N noonmeeminitialarabic
N noonmeemisolatedarabic
N noonnoonfinalarabic
N notcontains
N notelement
N notelementof
N notequal
N notgreater
N notgreaternorequal
N notgreaternorless
N notidentical

N notless   N obreve
N notlessnorequal   N ocandradeva
N notparallel   N ocandragujarati
N notprecedes   N ocandravowelsigndeva
N notsubset   N ocandravowelsigngujarati
N notsucceeds   N ocaron
N notsuperset   N ocircle
N nowarmenian   N ocircumflex
N nparen   N ocircumflexacute
N nssquare   N ocircumflexdotbelow
N nsuperior   N ocircumflexgrave
N ntilde   N ocircumflexhookabove
N nu   N ocircumflextilde
N nuhiragana   N ocyrillic
N nukatakana   N odblacute
N nukatakanahalfwidth   N odblgrave
N nuktabengali   N odeva
N nuktadeva   N odieresis
N nuktagujarati   N odieresiscyrillic
N nuktagurmukhi   N odotbelow
N numbersign   N oe
N numbersignmonospace   N oekorean
N numbersignsmall   N ogonek
N numeralsigngreek   N ogonekcmb
N numeralsignlowergreek   N ograve
N numero   N ogujarati
N nun   N oharmenian
N nundagesh   N ohiragana
N nundageshhebrew   N ohookabove
N nunhebrew   N ohorn
N nvsquare   N ohornacute
N nwsquare   N ohorndotbelow
N nyabengali   N ohorngrave
N nyadeva   N ohornhookabove
N nyagujarati   N ohorntilde
N nyagurmukhi   N ohungarumlaut
N o   N oi
N oacute   N oinvertedbreve
N oangthai   N okatakana
N obarred   N okatakanahalfwidth
N obarredcyrillic   N okorean
N obarreddieresiscyrillic   N olehebrew
N obengali   N omacron
N obopomofo   N omacronacute

N omacrongrave
N omdeva
N omega
N omega1
N omegacyrillic
N omegalatinclosed
N omegaroundcyrillic
N omegatitlocyrillic
N omegatonos
N omgujarati
N omicron
N omicrontonos
N omonospace
N one
N onearabic
N onebengali
N onecircle
N onecircleinversesansserif
N onedeva
N onedotenleader
N oneeighth
N onegujarati
N onegurmukhi
N onehackarabic
N onehalf
N onehangzhou
N oneideographicparen
N oneinferior
N onemonospace
N onenumeratorbengali
N oneparen
N oneperiod
N onepersian
N onequarter
N oneroman
N onesuperior
N onethai
N onethird
N oogonek
N oogonekmacron
N oogurmukhi
N oomatragurmukhi
N oopen
N oparen

N openbullet
N option
N ordfeminine
N ordmasculine
N orthogonal
N oshortdeva
N oshortvowelsigndeva
N oslash
N oslashacute
N osmallhiragana
N osmallkatakana
N osmallkatakanahalfwidth
N ostrokeacute
N otcyrillic
N otilde
N otildeacute
N otildedieresis
N oubopomofo
N overline
N overlinecenterline
N overlinecmb
N overlinedashed
N overlinedblwavy
N overlinewavy
N overscore
N ovowelsignbengali
N ovowelsigndeva
N ovowelsigngujarati
N p
N paampssquare
N paasentosquare
N pabengali
N pacute
N padeva
N pagedown
N pageup
N pagujarati
N pagurmukhi
N pahiragana
N paiyannoithai
N pakatakana
N palatalizationcyrilliccmb
N palochkacyrillic
N pansioskorean

N paragraph
N parallel
N parenleft
N parenleftaltonearabic
N parenleftinferior
N parenleftmonospace
N parenleftsmall
N parenleftsuperior
N parenleftvertical
N parenright
N parenrightaltonearabic
N parenrightinferior
N parenrightmonospace
N parenrightsmall
N parenrightsuperior
N parenrightvertical
N partialdiff
N paseqhebrew
N pashtahebrew
N pasquare
N patah
N patah11
N patah1d
N patah2a
N patahhebrew
N patahnarrowhebrew
N patahquarterhebrew
N patahwidehebrew
N pazerhebrew
N pbopomofo
N pcircle
N pdotaccent
N pe
N pecyrillic
N pedagesh
N pedageshhebrew
N peezisquare
N pefinaldageshhebrew
N peharabic
N peharmenian
N pehebrew
N pehfinalarabic
N pehinitialarabic
N pehiragana

N pehmedialarabic
N pekatakana
N pemiddlehookcyrillic
N perafehebrew
N percent
N percentarabic
N percentmonospace
N percentsmall
N period
N periodarmenian
N periodcentered
N periodhalfwidth
N periodmonospace
N periodsmall
N perispomenigreekcmb
N perpendicular
N perthousand
N peseta
N pfsquare
N phabengali
N phadeva
N phagujarati
N phagurmukhi
N phi
N phi1
N phieuphacirclekorean
N phieuphaparenkorean
N phieuphcirclekorean
N phieuphkorean
N phieuphparenkorean
N philatin
N phinthuthai
N phisymbolgreek
N phook
N phophanthai
N phophungthai
N phosamphaothai
N pi
N pieupacirclekorean
N pieupaparenkorean
N pieupcieuckorean
N pieupcirclekorean
N pieupkiyeokkorean
N pieupkorean

N pieupparenkorean

N pieupsioskiyeokkorean

N pieupsioskorean

N pieupsiostikeutkorean

N pieupthieuthkorean

N pieuptikeutkorean

N pihiragana

N pikatakana

N pisymbolgreek

N piwrarmenian

N plus

N plusbelowcmb

N pluscircle

N plusminus

N plusmod

N plusmonospace

N plussmall

N plussuperior

N pmonospace

N pmsquare

N pohiragana

N pointingindexdownwhite

N pointingindexleftwhite

N pointingindexrightwhite

N pointingindexupwhite

N pokatakana

N poplathai

N postalmark

N postalmarkface

N pparen

N precedes

N prescription

N primemod

N primereversed

N product

N projective

N prolongedkana

N propellor

N propersubset

N propersuperset

N proportion

N proportional

N psi

N psicyrillic

N psilipneumatacyrilliccmb

N pssquare

N puhiragana

N pukatakana

N pvsquare

N pwsquare

N q

N qadeva

N qadmahebrew

N qafarabic

N qaffinalarabic

N qafinitialarabic

N qafmedialarabic

N qamats

N qamats10

N qamats1a

N qamats1c

N qamats27

N qamats29

N qamats33

N qamatsde

N qamatshebrew

N qamatsnarrowhebrew

N qamatsqatanhebrew

N qamatsqatannarrowhebrew

N qamatsqatanquarterhebrew

N qamatsqatanwidehebrew

N qamatsquarterhebrew

N qamatswidehebrew

N qarneyparahebrew

N qbopomofo

N qcircle

N qhook

N qmonospace

N qof

N qofdagesh

N qofdageshhebrew

N qofhatafpatah

N qofhatafpatahhebrew

N qofhatafsegol

N qofhatafsegolhebrew

N qofhebrew

N qofhiriq

N qofhiriqhebrew

N qofholam
N qofholamhebrew
N qofpatah
N qofpatahhebrew
N qofqamats
N qofqamatshebrew
N qofqubuts
N qofqubutshebrew
N qofsegol
N qofsegolhebrew
N qofsheva
N qofshevahebrew
N qoftsere
N qoftserehebrew
N qparen
N quarternote
N qubuts
N qubuts18
N qubuts25
N qubuts31
N qubutshebrew
N qubutsnarrowhebrew
N qubutsquarterhebrew
N qubutswidehebrew
N question
N questionarabic
N questionarmenian
N questiondown
N questiongreek
N questionmonospace
N quotedbl
N quotedblbase
N quotedblleft
N quotedblmonospace
N quotedblprime
N quotedblprimereversed
N quotedblright
N quoteleft
N quoteleftreversed
N quotereversed
N quoteright
N quoterightn
N quotesinglbase
N quotesingle

N quotesinglemonospace
N r
N raarmenian
N rabengali
N racute
N radeva
N radical
N radoverssquare
N radoverssquaredsquare
N radsquare
N rafe
N rafehebrew
N ragujarati
N ragurmukhi
N rahiragana
N rakatakana
N rakatakanahalfwidth
N ralowerdiagonalbengali
N ramiddlediagonalbengali
N ramshorn
N ratio
N rbopomofo
N rcaron
N rcedilla
N rcircle
N rcommaaccent
N rdblgrave
N rdotaccent
N rdotbelow
N rdotbelowmacron
N referencemark
N reflexsubset
N reflexsuperset
N registered
N reharabic
N reharmenian
N rehfinalarabic
N rehiragana
N rehyehaleflamarabic
N rekatakana
N rekatakanahalfwidth
N resh
N reshdageshhebrew
N reshhatafpatah

N reshhatafpatahhebrew
N reshhatafsegol
N reshhatafsegolhebrew
N reshhebrew
N reshhiriq
N reshhiriqhebrew
N reshholam
N reshholamhebrew
N reshpatah
N reshpatahhebrew
N reshqamats
N reshqamatshebrew
N reshqubuts
N reshqubutshebrew
N reshsegol
N reshsegolhebrew
N reshsheva
N reshshevahebrew
N reshtsere
N reshtserehebrew
N reversedtilde
N reviahebrew
N reviamugrashhebrew
N revlogicalnot
N rfishhook
N rfishhookreversed
N rhabengali
N rhadeva
N rho
N rhook
N rhookturned
N rhookturnedsuperior
N rhosymbolgreek
N rhotichookmod
N rieulacirclekorean
N rieulaparenkorean
N rieulcirclekorean
N rieulhieuhkorean
N rieulkiyeokkorean
N rieulkiyeoksioskorean
N rieulkorean
N rieulmieumkorean
N rieulpansioskorean
N rieulparenkorean

N rieulphieuphkorean
N rieulpieupkorean
N rieulpieupsioskorean
N rieulsioskorean
N rieulthieuthkorean
N rieultikeutkorean
N rieulyeorinhieuhkorean
N rightangle
N righttackbelowcmb
N righttriangle
N rihiragana
N rikatakana
N rikatakanahalfwidth
N ring
N ringbelowcmb
N ringcmb
N ringhalfleft
N ringhalfleftarmenian
N ringhalfleftbelowcmb
N ringhalfleftcentered
N ringhalfright
N ringhalfrightbelowcmb
N ringhalfrightcentered
N rinvertedbreve
N rittorusquare
N rlinebelow
N rlongleg
N rlonglegturned
N rmonospace
N rohiragana
N rokatakana
N rokatakanahalfwidth
N roruathai
N rparen
N rrabengali
N rradeva
N rragurmukhi
N rreharabic
N rrehfinalarabic
N rrvocalicbengali
N rrvocalicdeva
N rrvocalicgujarati
N rrvocalicvowelsignbengali
N rrvocalicvowelsigndeva

N rrvocalicvowelsigngujarati

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F definecontext		D data	
F mergecontext		F savefont	
F presetcontext		F saveoriginal	
F registercontext		**tracers**	table
F showcontext		**treatments**	table
F splitcontext		F applyfixes	
D synonyms		D data	
D variants		S filename	
symbols	table	F ignoredfile	
T emoji		F report	
F checked		F trace	
F resolved		**typefaces**	table
F uselibrary			

functions (context)

dummy function

graphics (context)

backgrounds table

    F fetchmultipar

    F pair

    F path

    F point

gzip (extra lua)

close function   **open** function
lines function   **save** function
load function   **suffix** function

img (basic tex)

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

interactions (context)

attachments data table
fields table
    F clone
    F define
    F defineset
    F insert
general table
    F getidentity
    F setupidentity
help table
    F collect
    F reference
    F register
javascripts table
    F addtopreamble
    F code
    D codes
    F flushpreambles

    D functions
    D preambles
    F setpreamble
    F storecode
    F storepreamble
    F usepreamblenow
    F usescripts
linkedlists data table
pages table
    F setpagetransition
    F setupcanvas
references table
    F setclosedocument
    F setclosepage
    F setopendocument
    F setopenpage
renderings data table
soundclips data table

interfaces (context)

addvalidkeys	function	F	MPpardata
cachedsetups	data table	F	MPplus
cachesetup	function	F	MPpos
checkedspecification	function	F	MPposset
complete	data table	F	MPr
constants	data table	F	MPrest
corenamespaces	data table	F	MPrs
currentinterface	string	F	MPul
currentresponse	string	F	MPur
definecommand	function	F	MPw
defined	function	F	MPwhd
doifelsemessage	function	F	MPx
elements	data table	F	MPxy
formats	data table	F	MPxywhd
getcheckedparameters	function	F	MPy
getmessage	function	F	Romannumerals
getnamespace	function	F	abjadnodotnumerals
getsetupstring	function	F	abjadnumerals
hashedsetups	data table	F	adaptfontfeature
implement	function	F	addcounter
interfacedcommand	function	F	addfeature
interfaces	table	F	addgrapheme
invalidkey	function	F	addlinklistelement
message	function	F	addreplacements
namespaces	table	F	addtocolumnset
F define		F	addtojavascriptpreamble
F list		F	addtolist
registernamespace	function	F	addvalidinterfacekeys
scanners	table	F	allinputpaths
F Alphabetic		F	alphabetic
F Character		F	analysefloatmethod
F Characters		F	analyzeitemgroup
F MPLIBconvertoutlinetext		F	analyzelist
F MPc		F	analyzeregister
F MPd		F	applypattern
F MPh		F	applytobox
F MPll		F	applytofirstcharacter
F MPlr		F	assignbuffer
F MPls		F	autofinishstructurelevels
F MPn		F	autonextspace
F MPp		F	autonextstructurelevel

F autosetups	F btxhandlenocite
F autostarttext	F btxlastofrange
F autostoptext	F btxlistvariant
F averagecharwidth	F btxloaddefinitionfile
F bitmapimage	F btxloadjournallist
F blockcolumnset	F btxloadreplacementfile
F blockligatures	F btxoneorrange
F boxtostring	F btxpreparelistentries
F bposcolumn	F btxremapauthor
F bposcolumnregistered	F btxsavedataset
F btxabbreviatedjournal	F btxsavejournallist
F btxaddentry	F btxsetdataset
F btxaddjournal	F btxsetentry
F btxauthor	F btxsetregister
F btxauthorfield	F btxsetspecification
F btxauthortoregister	F btxsingularorplural
F btxcollectlistentries	F btxtoregister
F btxcurrentfirstnames	F btxusedataset
F btxcurrentinitials	F btxuservariable
F btxcurrentjuniors	F buildtextaccent
F btxcurrentsurnames	F character
F btxcurrentvons	F characters
F btxdetail	F chardescription
F btxdirect	F checkcolumnset
F btxdoif	F checkcountersetup
F btxdoifelse	F checkedconversion
F btxdoifelsecombiinlist	F checkedemoji
F btxdoifelsesameasprevious	F checkedpagefloat
F btxdoifelseuservariable	F checkinjector
F btxdoifnot	F checkinterfacechain
F btxexpandedjournal	F checktwopassdata
F btxfetchlistentries	F chemicalcomponent
F btxfield	F chinesenumerals
F btxfieldname	F cleanfontname
F btxfieldtype	F cleanupbox
F btxfirstofrange	F cleanuplayers
F btxflush	F clonefield
F btxflushlistcombi	F collectfloat
F btxflushlistentry	F collecthelp
F btxflushmarked	F colorcomponents
F btxflushpages	F columnsetcurrentcolumn
F btxfoundname	F columnsetgoto
F btxfoundtype	F columnsetnoto
F btxhandlecite	F concatcommalist

F consultfloat

F convertbtxdatasettoxml

F converteddimen

F convertmpstopdf

F copyboxfromcache

F copyposition

F cos

F cosd

F countervalue

F counttwopassdata

F currentcomponent

F currentdate

F currentdesignsize

F currentenvironment

F currentfontinstancespec

F currentposthyphenchar

F currentprehyphenchar

F currentproduct

F currentproject

F currentreferenceorder

F currentsectiontolist

F datasetvariable

F dayname

F decimals

F decrementcounter

F decrementedcounter

F decrementsubcounter

F defineaccents

F defineattribute

F definebreakpoint

F definebreakpoints

F definecharacterspacing

F definechemical

F definecolumnset

F defineconversion

F definecounter

F definedlayoutcomponent

F definefallbackfamily

F definefield

F definefieldset

F definefilefallback

F definefilesynonym

F definefont_one

F definefont_two

F definefontcolorpalette

F definefontfamily

F definefontfamilypreset

F definefontfeature

F definefontsolution

F definehyphenationfeatures

F defineinsertion

F defineintermediatecolor

F definelabels

F definelanguage

F definelinefiller

F definelinkedlist

F definemarking

F definemetafont

F definemultitonecolorglobal

F definenamespace

F definenote

F defineparallel

F defineparbuilder

F defineprocesscolordummy

F defineprocesscolorglobal

F defineprocesscolorlocal

F defineprogram

F definereference

F defineregister

F definerule

F definesectionlevels

F defineshift

F definesnapmethod

F definespotcolorglobal

F definestructureblock

F definestructureset

F definetransparency

F definetransparencyglobal

F definetwopasslist

F definetypeface

F defineviewerlayer

F depthnumber

F digits_normal

F digits_reverse

F directboxfromcache

F directcopyboxfromcache

F disableautofontscript

F disabledirectives

F disableexperiments
F disablejobsave
F disableparbuilder
F disableregime
F disablespellchecking
F disablestatetriggering
F disablestream
F disabletrackers
F discardfromlist
F doanalyzeframedbox
F doifcommon
F doifcounter
F doifelseblack
F doifelseboxincache
F doifelsebuffer
F doifelsecharinfont
F doifelsecommon
F doifelsecontinuewithfile
F doifelseconverter
F doifelsecounter
F doifelsecurrentfonthasfeature
F doifelsedrawingblack
F doifelsefieldcategory
F doifelsefiledefined
F doifelsefileexist
F doifelsefirstchar
F doifelsefontpresent
F doifelseinelement
F doifelseinputfile
F doifelseinset
F doifelseintwopassdata
F doifelseleapyear
F doifelselisthasentry
F doifelselisthasnumber
F doifelselisthaspage
F doifelselisthastitle
F doifelselocfile
F doifelsemarking
F doifelsemessage
F doifelseobject
F doifelseobjectreference
F doifelseolderversion
F doifelseoverlapping
F doifelseparallel

F doifelseparentfile
F doifelsepathexist
F doifelseposition
F doifelsepositiononpage
F doifelsepositionsonsamepage
F doifelsepositionsonthispage
F doifelsepositionsused
F doifelserangeonpage
F doifelsereference
F doifelserighttoleftinbox
F doifelsesame
F doifelsestackedfloats
F doifelsesynonymshown
F doifelsesynonymused
F doifelseurldefined
F doifelseutfmathabove
F doifelseutfmathaccent
F doifelseutfmathbelow
F doifelseutfmathfiller
F doifelseutfmathlimop
F doifelsevisualizer
F doiffieldsetelse
F doifinset
F doifnotcommon
F doifnotcounter
F doifnotecontent
F doifnoteonsamepageasprevious
F doifnotinset
F doifnotsame
F doifposition
F doifsame
F doprocesstypescriptfile
F doreshapeframedbox
F dosaveposition
F dosavepositionplus
F dosavepositionwhd
F dosetposition
F dosetpositionbox
F dosetpositionplus
F dosetpositionstrut
F dosetpositionstrutkind
F dosetpositionwhd
F dostarttextfile
F dostoptextfile

F elapsedtime	F fetchonemark
F enableasciimode	F fetchposboxes
F enableautofences	F fetchtwomarks
F enableautofontscript	F figure_check
F enablebackgroundalign	F figure_done
F enablebackgroundboxes	F figure_dummy
F enablecolor	F figure_flush_registered_pages
F enablecolorintents	F figure_identify
F enablecrlf	F figure_include
F enabledirectives	F figure_mergegoodies
F enableexperiments	F figure_nof_registered_pages
F enablefontcolorschemes	F figure_pop
F enableinteraction	F figure_push
F enablelinefillers	F figure_register_page
F enableparbuilder	F figure_reset
F enableregime	F figure_scale
F enablerules	F figurefilename
F enableshifts	F figurefilepath
F enablespellchecking	F figurefiletype
F enablestatetriggering	F figurerequest
F enablestream	F figuresetdimensions
F enabletrackers	F figurestatus
F enabletransparency	F figureused
F enableutf	F filterdefaultreference
F enhancelinkedlist	F filterreference
F enhancelist	F finalizebox
F enhancereference	F findregisterinternal
F enhanceregister	F findtwopassdata
F eposcolumn	F finishcolumnsetflush
F eposcolumnregistered	F finishexport
F erasebuffer	F firstcountervalue
F execute	F firstinset
F expandcurrentreference	F firstsubcountervalue
F exportformdata	F flushcolumnsetareas
F exportreferences	F flushcolumnsetcolumn
F extendregister	F flushcolumnsetrest
F extensiblecode	F flushfloat
F fakenextstrutline	F flushlabeledfloat
F fakeword	F flushnotes
F featureattribute	F flushpageinjectionsafter
F featurelist	F flushpageinjectionsbefore
F feedback	F flushpostponedblocks
F fetchallmarks	F flushpostponednotes
F fetchmultipar	F flushstream

F flushstreamcopy	F getmessage
F fontchar	F getmpextensions
F fontcharbyindex	F getnaturaldimensions
F fontcollectionclone	F getnaturalwd
F fontcollectiondefine	F getnotestate
F fontcollectionprepare	F getobjectdimensions
F fontcollectionregister	F getobjectreference
F fontcollectionreport	F getobjectreferencepage
F fontcollectionreset	F getprivatechar
F fontlookupgetkey	F getprivateglyphslot
F fontlookupgetkeyofindex	F getprivatemathchar
F fontlookupinitialize	F getprivateslot
F fontlookupnoffound	F getprogram
F forceendjob	F getrandomdimen
F forcequitjob	F getrandomfloat
F formatcolor	F getrandomnumber
F formatgray	F getrandomseed
F from	F getreadfilename
F frule	F getsetupstring
F getbidimode	F getsomefullstructurenumber
F getbodyfontsizes	F getsomestructurenumber
F getboxfromcache	F getspecificstructuretitle
F getbuffer	F getstructurelevel
F getbufferctxlua	F getstructurenumber
F getbuffermkvi	F getsubstring
F getcheckedinterfaceparameters	F gettexbuffer
F getcurrentprefixspec	F gettwopassdata
F getcurrentreferencemetadata	F gettwopassdatalist
F getdefaultfieldvalue	F geturl
F getdocumentargument	F getvisual
F getdocumentfilename	F hboxtovbox
F getelementtag	F helpaction
F getfieldcategory	F helpreference
F getfile	F hexstringtonumber
F getfirstcharacter	F horizontalcode
F getfirsttwopassdata	F hour
F getfloatvariable	F hyphenatedlist
F getfullstructurenumber	F hyphenatedurl
F getinternalcachedlistreference	F immediatemessage
F getinternallistreference	F incrementcounter
F getlasttwopassdata	F incrementedcounter
F getmarking	F incrementsubcounter
F getmathdomain	F initializejob
F getmathitalics	F initializemathdomain

F initializemathitalics	F loadfontgoodies
F initializemathkernpairs	F loadluamodule
F initializestream	F loadmapfile
F initializetexdirectives	F loadmapline
F initializetextrackers	F loadspellchecklist
F injectcurrentreference	F loadtypescriptfile
F injectcurrentreferencehtdp	F loadvisualizer
F injectreference	F locatefilepath
F inlinechemical	F locfilename
F inputfilebarename	F lower
F inputfilename	F lpdf_adddocumentcolorspace
F inputfilerealsuffix	F lpdf_adddocumenttextgstate
F inputfilesuffix	F lpdf_adddocumentpattern
F insertattachment	F lpdf_adddocumentshade
F insertcomment	F lpdf_addtocatalog
F insertfield	F lpdf_addtoinfo
F insertionnumber	F lpdf_addtonames
F insertrenderingwindow	F lpdf_addtopageattributes
F installedlanguages	F lpdf_addtopageresources
F installtexdirective	F lpdf_addtopagesattributes
F installtextracker	F lpdf_collectedresources
F jobfilefullname	F lpdf_color
F jobfilename	F luascript
F jobfilesuffix	F luathread
F languagenumber	F lxmlid
F lastcountervalue	F markcontent
F lastlinewidth	F markingnumber
F lastsubcountervalue	F markingtitle
F lchexnumber	F markinjector
F lchexnumbers	F markregionbox
F leapyear	F markregionboxcorrected
F linenumbersstageone	F markregionboxtagged
F linenumbersstagetwo	F markregionboxtaggedkind
F listgroupindex	F markvisualfonts
F listlabel	F mathfraction
F listlocation	F mathrenderset
F listnamespaces	F message
F listprefixednumber	F metapostescaped
F listprefixedpage	F metapostformatted
F listrealpage	F metapostgraphformat
F listsize	F minute
F listtitle	F mixcleanup
F listuserdata	F mixfinalize
F loadexamodes	F mixflushlist

F mixflushrest	F number
F mixgetsplit	F numbers
F mixsetsplit	F octnumber
F mixstate	F octstringtonumber
F molecule	F operatingsystem
F month	F ordinal
F monthmnem	F outputfilename
F monthname	F overloadbookmark
F mpcolor	F overloaderror
F mpflushliteral	F overloadlowercase
F mpflushreset	F overloaduppercase
F mpgettext	F pageofinternal
F mpgraphic	F pagestaterealpage
F mpoptions	F parpos
F mppopvariables	F pdfannot
F mppushvariables	F pdfdest
F mprunset	F pdfrotation
F mpruntab	F pdfstartmatrix
F mprunvar	F pdfstartmirroring
F mpsetclippath	F pdfstartrotation
F mpsetoutercolor	F pdfstartscaling
F mpsetsxsy	F pdfstopmatrix
F mpsettext	F pdfstopmirroring
F mptexget	F pdfstoprotation
F mptexreset	F pdfstopscaling
F mptexset	F percentageof
F mptexsetfrombuffer	F pgfxcolorspec
F namedstructureuservariable	F pickupbuffer
F namedstructurevariable	F pickupmarkedcontent
F naturalwd	F pickuppunctuation
F nbfs	F placeparallel
F negatedcolorcomponent	F popfloat
F nextcountervalue	F pophyphenation
F nextparallel	F popitaliccorrection
F nextsubcountervalue	F poplist
F nofconversions	F poppath
F nofdays	F poprandomseed
F nofstackedfloats	F popreferenceprefix
F notedeltapage	F popregime
F noteinternal	F popsectionblock
F notelistindex	F postponenotes
F noteprefixednumber	F prefixedconverted
F notetitle	F prepareMPvariable
F ntimes	F preparecolumnsetflush

F presetmathalternate
F presetsymbollist
F presettabulate
F previouscountervalue
F previoussubcountervalue
F processbodyfontsizes
F processbuffer
F processcolorcomponents
F processedfile
F processedfiles
F processfile
F processfilemany
F processfilenone
F processfileonce
F processjob
F processlist
F processregister
F processsplit
F processsynonyms
F profilebox
F purefontname
F pushfloat
F pushhyphenation
F pushitaliccorrection
F pushlist
F pushpath
F pushrandomseed
F pushreferenceprefix
F pushregime
F pushsectionblock
F pushstream
F putboxincache
F putincolumnset
F rawcharacter
F rawcountervalue
F rawdate
F rawsetupstring
F rawsubcountervalue
F referencepagedetail
F referencepagestate
F referencerealpage
F registerattachment
F registerbackendsymbol
F registerbackground

F registerbodyfontsize
F registerbookmark
F registerbuttons
F registercolorintent
F registercolumnsetarea
F registeredviewerlayer
F registerfigurepattern
F registerfiguresuffix
F registerfontalternative
F registerfontfamily
F registerhelp
F registerhyphenationexception
F registerhyphenationpattern
F registeritemgroup
F registerlanguagefeatures
F registerlinenumbering
F registermaintextcolor
F registermpyfile
F registernamedlua
F registernamespace
F registerobject
F registerpattern
F registerpostponedblock
F registerreferencedobject
F registerrendering
F registersection
F registershownsynonym
F registerstructureprocessor
F registersynonym
F registerunit
F registerusedsynonym
F registeruserdata
F relatemarking
F renderingvar
F replacefeature
F replacepospxywhd
F reportstructure
F resavefloat
F resetboxesincache
F resetcharacteralign
F resetcolumnset
F resetcounter
F reseteffect
F resetfeature

F resetfontfeature	F savenote
F resetfontsolution	F savepagedata
F resetinjector	F savepageinjections
F resetitaliccorrection	F saveparallel
F resetmapfiles	F savespecificfloat
F resetmarking	F savestructureblock
F resetmathattributes	F savetaggedtwopassdata
F resetmathitalics	F savetwopassdata
F resetnullfont	F savevariable
F resetparallel	F second
F resetpath	F selectstructureblock
F resetprevdepth	F setactivecatcodes
F resetreference	F setbreakpoints
F resetscript	F setcharacteralign
F resetshownsynonyms	F setcharactercasing
F resetstructureprocessor	F setcharactercleaning
F resetsubcounter	F setcharacterkerning
F resettimer	F setcharacterspacing
F resettrackers	F setcharacterstripping
F resetusedsynonyms	F setclosedocumentaction
F resolvedemoji	F setclosepageaction
F restartcounter	F setcolormodel
F restartsubcounter	F setcolumnsetarea
F restorecounter	F setcolumnsetlines
F restorecurrentattributes	F setcolumnsetproperties
F restorenote	F setcolumnsetstart
F restoreobject	F setcounter
F reuserandomseed	F setdataset
F revivefeature	F setdestinationattribute
F romannumerals	F setdigitsmanipulation
F rounded	F setdirection
F ruby	F setdocumentargument
F runbuffer	F setdocumentcommandline
F runcontextjob	F setdocumentctxfile
F safechar	F setdocumentdefaultargument
F savebuffer	F setdocumentenvironments
F savecounter	F setdocumentfilename
F savecurrentattributes	F setdocumentfilenames
F savedlistnumber	F setdocumentmodes
F savedlistprefixednumber	F setdocumentmodules
F savedlisttitle	F seteffect
F savefloat	F setelementuserproperties
F savefont	F setextrafontkerns
F savemargindata	F setfieldcalculationset

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

F settagregister	F spotcolorname
F settagsorting	F spotcolorparent
F settagsubsentencesymbol	F spotcolorvalue
F settagsynonym	F startactualtext
F settagtablecell	F startchemical
F settagtabulatecell	F startcolorset
F setupbookmarks	F startcomponent
F setupcanvas	F startenvironment
F setupcharacterspacing	F startfontsolution
F setupexport	F startparbuilder
F setupfontexpansion	F startproduct
F setupfontprotrusion	F startproject
F setupidentity	F startregime
F setupinsertion	F startruby
F setupitaliccorrection	F startsectionlevel
F setuplinenumbering	F startstream
F setuserinterface	F starttag
F setvalidinterfacekeys	F starttag_c
F setvisual	F starttag_d
F setvisualfont	F starttag_u
F setvisuallayer	F starttext
F setvisuals	F startviewerlayer
F setvsizecolumnset	F step
F setxmpfile	F stopactualtext
F showassignerror	F stopchemical
F showattributes	F stopcolorset
F showcounter	F stopcomponent
F showdebuginfo	F stopenvironment
F showdirectives	F stopfontsolution
F showdiscretionaries	F stopparbuilder
F showexperiments	F stopproduct
F showhyphenatedinlist	F stopproject
F showhyphenationtrace	F stopregime
F showinjector	F stopsectionlevel
F showjustification	F stopstream
F showlogcategories	F stoptag
F showmessage	F stoptext
F showtrackers	F stopviewerlayer
F sin	F storejavascriptcode
F sind	F storejavascriptpreamble
F specifiedfont	F storenote
F specifiedfontsize	F storeregister
F specifiedfontspec	F strdp
F splitfilename	F strhd

F strht

F strip

F structureautocatcodedget

F structurecatcodedget

F structuregivencatcodedget

F structurenumber

F structuretitle

F structureuservariable

F structurevariable

F strwd

F subcountervalue

F subcountervalues

F subsubcountervalues

F subtractfeature

F synccolor

F synccolorclone

F synccolorcount

F synchronizemarking

F synchronizestream

F synonymmeaning

F synonymname

F systemlog

F tagmfunctionlab

F tagmfunctiontxt

F tan

F tand

F texdefinition_one

F texdefinition_two

F textime

F thefirstcharacter

F themaxboxwidth

F theremainingcharacters

F tochar

F transparencycomponents

F triggerpagebuilder

F truefilename

F truefontname

F type

F typebuffer

F typefile

F typesetbuffer

F uchar

F uchexnumber

F uchexnumbers

F undefinechemical

F unicodechar

F unihex

F unit_normal

F unit_reverse

F unloadlanguage

F upper

F useMPlibrary

F useanyfile

F useanyfileonce

F usecldfile

F usecldfileonce

F usecolors

F usecomponent

F useenvironment

F usefigurebase

F usefile

F usejavascriptpreamble

F usejavascriptscripts

F useluafile

F useluafileonce

F useluamodule

F usemodules

F usepath

F useproduct

F useproject

F usesubpath

F usesymbols

F usetexfile

F usetexfileonce

F useurl

F usexmlfile

F usexmlfileonce

F usezipfile

F utfchar

F utfmathclass

F utfmathcommand

F utfmathcommandabove

F utfmathcommandbelow

F utfmathcommandfiller

F utfmathfiller

F utfmathstretch

F vboxlisttohbox

F verbose

F vspacing
F vspacingcollapse
F vspacingcollapseonly
F vspacingdefine
F vspacingsetamount
F vspacingsnap
F way
F weekday
F weekdayname
F writestatus
F x_table_c
F x_table_cleanup
F x_table_construct
F x_table_create
F x_table_finish_row
F x_table_flush
F x_table_init_construct
F x_table_init_reflow_height
F x_table_init_reflow_height_option
F x_table_init_reflow_width
F x_table_init_reflow_width_option
F x_table_next_row
F x_table_next_row_option
F x_table_r
F x_table_reflow_height
F x_table_reflow_width
F x_table_set_construct
F x_table_set_reflow_height
F x_table_set_reflow_width
F xmladdindex
F xmlaftersetup
F xmlall
F xmlappendsetup
F xmlapplyselectors
F xmlatt
F xmlattdef
F xmlattribute
F xmlattributedef
F xmlbadinclusions
F xmlbeforesetup
F xmlchainatt
F xmlchainattdef
F xmlchecknamespace
F xmlcommand

F xmlconcat
F xmlconcatrange
F xmlcontext
F xmlcount
F xmldelete
F xmldirect
F xmldirectives
F xmldirectivesafter
F xmldirectivesbefore
F xmldisplayverbatim
F xmldoif
F xmldoifelse
F xmldoifelseempty
F xmldoifelseselfempty
F xmldoifelsetext
F xmldoifempty
F xmldoifnot
F xmldoifnotempty
F xmldoifnotselfempty
F xmldoifnottext
F xmldoifselfempty
F xmldoiftext
F xmlelement
F xmlfilter
F xmlfilterlist
F xmlfirst
F xmlflush
F xmlflushcontext
F xmlflushlinewise
F xmlflushpure
F xmlflushsetups
F xmlflushspacewise
F xmlflushtext
F xmlfunction
F xmlgetindex
F xmlinclude
F xmlincludeoptions
F xmlinclusion
F xmlinclusions
F xmlindex
F xmlinlineverbatim
F xmlinstalldirective
F xmllast
F xmllastatt

F xmllastmatch		F xmlstrip	
F xmlload		F xmlstripanywhere	
F xmlloadbuffer		F xmlstripnolines	
F xmlloaddata		F xmlstripped	
F xmlloaddirectives		F xmlstrippednolines	
F xmlloadentities		F xmltag	
F xmlmain		F xmltexentity	
F xmlmatch		F xmltext	
F xmlname		F xmltobuffer	
F xmlnamespace		F xmltobufferverbose	
F xmlnonspace		F xmltofile	
F xmlpath		F xmltoparameters	
F xmlpopmatch		F xmlverbatim	
F xmlpos		F xmlwithindex	
F xmlprependsetup		F year	
F xmlpure		**setconstant**	function
F xmlpushmatch		**setcount**	function
F xmlraw		**setdimen**	function
F xmlrawtex		**setelement**	function
F xmlrefatt		**setformat**	function
F xmlregisterns		**setmacro**	function
F xmlremapname		**setmessage**	function
F xmlremapnamespace		**setmessages**	function
F xmlremovesetup		**settranslation**	function
F xmlresetinjectors		**setupstrings**	data table
F xmlresetsetups		**setuserinterface**	function
F xmlsave		**setvalidkeys**	function
F xmlsetcommandtonone		**setvariable**	function
F xmlsetcommandtotext		**showmessage**	function
F xmlsetentity		**storedscanners**	data table
F xmlsetinjectors		**strings**	table
F xmlsetsetup		**syntax**	data table
F xmlsnippet		**tolist**	function
F xmlstartraw		**translations**	data table
F xmlstarttiming		**usednamespaces**	data table
F xmlstopraw		**variables**	data table
F xmlstoptiming		**writestatus**	function

io (basic lua)

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

job (context)

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

F define	
F find	
F first	
F get	
F getcollected	
F getdata	
F getfield	
F gettobesaved	
F inlist	
F last	
F list	
F save	
F savetagged	
D tobesaved	
positions	table
F b_column	
F b_region	
F c	
D collected	
F column	
F copy	
F depth	
F e_column	
F e_region	
F enhance	
F extra	
T free	
F get	
F getreserved	
F gettobesaved	
F hangafter	
F hangindent	
F height	
F hsize	
F leftskip	
F lowerleft	
F lowerright	
F markregionbox	
F n	
F onsamepage	
F overlapping	

F p		F y	
T page		**register**	function
F paragraph		**save**	function
F parindent		**structure**	table
F position		D collected	
F r		T components	
F region		T tobesaved	
F replace		T branches	
F rightskip		S name	
F set		S type	
F setall		**variables**	table
F setregionbox		D checksums	
D tobesaved		D collected	
F upperleft		F getchecksum	
F upperright		F makechecksum	
S used		F restore	
F whd		F save	
F width		F setchecksum	
F x		D tobesaved	
F xy		**version**	number

lang (basic tex)

clean	function	**id**	function
clear_hyphenation	function	**new**	function
clear_patterns	function	**patterns**	function
exceptions	function	**postexhyphenchar**	function
gethjcode	function	**posthyphenchar**	function
hyphenate	function	**preexhyphenchar**	function
hyphenation	function	**prehyphenchar**	function
hyphenationmin	function	**sethjcode**	function

languages (context)

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

B enables

F found

F load

T methods

N threshold

layouts (context)

status table   F leftorrightpageaction

     F isleftpage

lfs (extra lua)

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

libraries (context)

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

lmx (context)

color	function		**loadedfile**	function
convert	function		**make**	function
convertfile	function		**new**	function
convertstring	function		**overloaderror**	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		**showdebuginfo**	function
html	table		**showerror**	function
F a			**stripcss**	function
F td			**tv**	function
F th			**type**	function
include	function		**urlescape**	function
inherited	table		**variable**	function
S color-background-four			**variables**	table
S color-background-one			S color-background-blue	
S color-background-three			S color-background-body	
S color-background-two			S color-background-green	
S title			S color-background-main	
initialize	function		S color-background-purple	
inject	function		S color-background-yellow	
lmxfile	function		S title-default	

logs (context)

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

lpdf (context)

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

settime	function	**tosixteen**	function
settrailerid	function	**transform**	function
shareobject	function	**transparency**	function
shareobjectreference	function	**transparencycode**	function
spotcode	function	**transparencygroups**	table
stream	function	B none	
string	function	**transparencyvalue**	function
timestamp	function	**unicode**	function
toeight	function	**verbose**	function
topdfdoc	function		

lpeg (basic lua)

B	function	**finder**	function
C	function	**firstofsplit**	function
Carg	function	**frontstripper**	function
Cb	function	**instringchecker**	function
Cc	function	**is_lpeg**	function
Cf	function	**keeper**	function
Cg	function	**locale**	function
Cmt	function	**match**	function
Cp	function	**oneof**	function
Cs	function	**patterns**	data table
Ct	function	**pcode**	function
P	function	**print**	function
R	function	**ptree**	function
S	function	**replacer**	function
UP	function	**secondofsplit**	function
UR	function	**setmaxstack**	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
counter	function	**utfchartabletopattern**	function
endstripper	function	**version**	function

ltn12 (extra lua)

BLOCKSIZE number
filter table
    F chain
    F cycle
pump table
    F all
    F step
sink table
    F chain
    F error
    F file
    F null

    F simplify
    F table
source table
    F cat
    F chain
    F empty
    F error
    F file
    F rewind
    F simplify
    F string

lua (basic tex)

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

luatex (context)

cleanuptempfiles	function	**synctex**	table
currentfile	function	F collect	
registerdumpactions	function	F enable	
registerpageactions	function	F finish	
registerstartactions	function	F flush	
registerstopactions	function	F resetfilename	
registertempfile	function	F setfilename	
starttime	number		

lxml (context)

addindex	function	**flush**	function
all	function	**flushlinewise**	function
applyfunction	function	**flushsetups**	function
applyselectors	function	**flushspacewise**	function
att	function	~~**get_id**~~	~~function~~
attribute	function	**getid**	function
badinclusions	function	**getindex**	function
chainattribute	function	**id**	function
checkindex	function	**idsplitter**	userdata
collected	function	**include**	function
command	function	**inclusion**	function
concat	function	**inclusions**	function
concatrange	function	**index**	function
content	function	**inlineverbatim**	function
context	function	**installsetup**	function
convert	function	**last**	function
count	function	**lastatt**	function
delete	function	**lastmatch**	function
direct	function	**load**	function
directives	table	**loadbuffer**	function
F after		**loaddata**	function
F before		**loaded**	table
F handle		**main**	function
F load		**match**	function
F setup		**name**	function
displayverbatim	function	**namespace**	function
doif	function	**nonspace**	function
doifelse	function	**path**	function
doifelseempty	function	**popmatch**	function
doifelsetext	function	**pos**	function
doifempty	function	**position**	function
doifnot	function	**pure**	function
doifnotempty	function	**pushmatch**	function
doifnottext	function	**raw**	function
doiftext	function	**rawroot**	function
element	function	**rawtex**	function
elements	function	**refatt**	function
entities	data table	**register**	function
filter	function	**registerentity**	function
filterlist	function	**removesetup**	function
first	function	**resetcdata**	function

resetsetups	function		**splitid**	function
resolvedentity	function		**startraw**	function
root	function		**startunescaped**	function
save	function		**stopraw**	function
serialize	function		**stopunescaped**	function
setaction	function		**store**	function
setcdata	function		**strip**	function
setcommandtonone	function		**stripped**	function
setcommandtotext	function		**tag**	function
setsetup	function		**text**	function
snippet	function		**tobuffer**	function
sorters	table		**tofile**	function
F add			**toparameters**	function
F compare			**toverbatim**	function
F flush			**verbatim**	function
F reset			**withindex**	function
F show			**xmltexhandler**	data table
F sort				

math (basic lua)

abs	function	**log**	function
acos	function	**max**	function
asin	function	**min**	function
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

mathematics (context)

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

mbox (context)

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

md5 (extra lua)

HEX	function		**hex**	function
crypt	function		**sum**	function
dec	function		**sumHEXA**	overloaded function
decrypt	function		**sumhexa**	overloaded function
exor	function			

metapost (context)

analyzeplugins	function	**getstatistics**	function
checkformat	function	**gettext**	function
checktexts	function	**graphic**	function
collapse	boolean	**graphic_base_pass**	function
colorinitializer	function	**initializescriptrunner**	function
comment	function	**instance**	function
convert	function	**intermediate**	table
defaultformat	string		T actions
defaultinstance	string		F makempy
defaultmethod	string	**lastlog**	string
directrun	function	**load**	function
escaped	function	**makempy**	table
exectime	table		N nofconverted
extensiondata	data table		F processgraphics
filterclippath	function		F registerfile
flush	function	**maketext**	function
flushers	table	**metafun**	table
	T pdf		F interpolate
	F comment		F topath
	F flushfigure	**method**	number
	F startfigure	**mptopdf**	table
	F stopfigure		F convertmpstopdf
	F textfigure		N nofconverted
flushliteral	function	**n**	number
flushnormalpath	function	**nvformat**	function
flushreset	function	**optimize**	boolean
fonts	table	**parse**	function
	F define	**pdfliterals**	function
	T flusher	**pluginactions**	function
	F flushfigure	**popvariable**	function
	F startfigure	**popvariables**	function
	F stopfigure	**process**	function
	N instances	**processplugins**	function
	F process	**processspecial**	function
format	function	**properties**	table
format_number	function	**pushvariable**	function
format_string	function	**pushvariables**	function
formatnumber	function	**quickanddirty**	function
getclippath	function	**reducetogray**	boolean
getextensions	function	**reporterror**	function
getjobdata	function	**reset**	function

resetlastlog	function	F get	
resetplugins	function	F reset	
runscript	function	F set	
scripterror	function	F setfrombuffer	
setextensions	function	**texerrors**	boolean
setoutercolor	function	**texexp**	function
settext	function	**textextsdata**	function
setvariable	function	**theclippath**	function
showlog	boolean	**totable**	function
simple	function	**unload**	function
svformat	function	**untagvariable**	function
tex	table	**variables**	table

mime (extra lua)

b64   function
decode   function
decodet   table
    F base64
    F quoted-printable
dot   function
encode   function
encodet   table
    F base64
    F quoted-printable
eol   function
normalize function

qp   function
qpwrp   function
stuff   function
unb64   function
unqp   function
wrap   function
wrapt   table
    F base64
    F default
    F quoted-printable
    F text
wrp   function

mp (context)

BackSpace	function	**OuterMarginWidth**	function
BaseLineSkip	function	**OverlayDepth**	function
BodyFontSize	function	**OverlayHeight**	function
BottomDistance	function	**OverlayLineWidth**	function
BottomHeight	function	**OverlayOffset**	function
BottomSpace	function	**OverlayWidth**	function
CurrentColumn	function	**PageDepth**	function
CurrentHeight	function	**PageFraction**	function
CurrentWidth	function	**PageNumber**	function
CutSpace	function	**PageOffset**	function
EmWidth	function	**PaperBleed**	function
ExHeight	function	**PaperHeight**	function
FooterDistance	function	**PaperWidth**	function
FooterHeight	function	**PrintPaperHeight**	function
HSize	function	**PrintPaperWidth**	function
HeaderDistance	function	**RealPageNumber**	function
HeaderHeight	function	**RightEdgeDistance**	function
InPageBody	function	**RightEdgeWidth**	function
InnerEdgeDistance	function	**RightMarginDistance**	function
InnerEdgeWidth	function	**RightMarginWidth**	function
InnerMarginDistance	function	**SpineWidth**	function
InnerMarginWidth	function	**StrutDepth**	function
LastPageNumber	function	**StrutHeight**	function
LayoutColumnDistance	function	**TextHeight**	function
LayoutColumnWidth	function	**TextWidth**	function
LayoutColumns	function	**TopDistance**	function
LeftEdgeDistance	function	**TopHeight**	function
LeftEdgeWidth	function	**TopSkip**	function
LeftMarginDistance	function	**TopSpace**	function
LeftMarginWidth	function	**VSize**	function
LineHeight	function	**_f_**	function
MakeupHeight	function	**_get_count_**	function
MakeupWidth	function	**_get_dimen_**	function
NOfColumns	function	**_get_toks_**	function
NOfPages	function	**_set_count_**	function
NamedColor	function	**_set_dimen_**	function
OnOddPage	function	**_set_toks_**	function
OnRightPage	function	**boolean**	function
OuterEdgeDistance	function	**dataset**	function
OuterEdgeWidth	function	**datasets**	table
OuterMarginDistance	function	F load	

defaultcolormodel	function		**positionbox**	function
dimensions	function		**positioncurve**	function
disposehash	function		**positionpage**	function
format	function		**positionpath**	function
formatted	function		**positionpxy**	function
fprint	function		**positionregion**	function
get	table		**positionwhd**	function
F boolean			**positionxy**	function
F number			**prefix**	function
F numeric			**print**	function
F string			**quadruple**	function
get_outline_text	function		**quoted**	function
getcount	function		**report**	function
getdimen	function		**setcount**	function
gettoks	function		**setdimen**	function
graphformat	function		**settoks**	function
inhash	function		**size**	function
integer	function		**systemmode**	function
isarray	function		**tb_dimensions**	function
mode	function		**texstr**	function
n	function		**texvar**	function
newhash	function		**tohash**	function
numeric	function		**triplet**	function
pair	function		**tt_dimensions**	function
path	function		**tt_initialize**	function
positionanchor	function			

mplib (extra tex)

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

noads (context)

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

process   function
processnested   function
processors   table
- T autofences
- T collapse
- F mlist_to_hlist
- T relocate
- T render
- T resize
- T unscript

processouter   function

node (basic tex)

check_discretionaries	function
check_discretionary	function
copy	function
copy_list	function
count	function
current_attr	function
dimensions	function
direct	table

F check_discretionaries
F check_discretionary
F copy
F copy_list
F count
F current_attr
F dimensions
F effective_glue
F end_of_math
F find_attribute
F first_glyph
F flush_list
F flush_node
F flush_properties_table
F free
F get_attribute
F get_properties_table
F get_synctex_fields
F getattributelist
F getboth
F getbox
F getchar
F getcomponents
F getdepth
F getdir
F getdisc
F getfield
F getfont
F getglue
F getheight
F getid
F getkern
F getlang

F getleader
F getlist
F getnext
F getnucleus
F getoffsets
F getpenalty
F getprev
F getproperty
F getshift
F getsub
F getsubtype
F getsup
F getwhd
F getwidth
F has_attribute
F has_field
F has_glyph
F hpack
F insert_after
F insert_before
F is_char
F is_direct
F is_glyph
F is_node
F is_zero_glue
F kerning
F last_node
F length
F ligaturing
F new
F protect_glyph
F protect_glyphs
F protrusion_skippable
F rangedimensions
F remove
F set_attribute
F set_properties_mode
F set_synctex_fields
F setattributelist
F setboth
F setbox

F	setchar		**find_attribute**	function
F	setcomponents		**first_glyph**	function
F	setdepth		**fix_node_lists**	function
F	setdir		**flush_list**	function
F	setdisc		**flush_node**	function
F	setfield		**flush_properties_table**	function
F	setfont		**free**	function
F	setglue		**get_attribute**	function
F	setheight		**get_properties_table**	function
F	setkern		**getboth**	function
F	setlang		**getchar**	function
F	setleader		**getdisc**	function
F	setlink		**getfield**	function
F	setlist		**getfont**	function
F	setnext		**getglue**	function
F	setnucleus		**getid**	function
F	setoffsets		**getleader**	function
F	setpenalty		**getlist**	function
F	setprev		**getnext**	function
F	setproperty		**getprev**	function
F	setshift		**getproperty**	function
F	setsplit		**getsubtype**	function
F	setsub		**getwhd**	function
F	setsubtype		**has_attribute**	function
F	setsup		**has_field**	function
F	setwhd		**has_glyph**	function
F	setwidth		**hpack**	function
F	slide		**id**	function
F	tail		**insert_after**	function
F	todirect		**insert_before**	function
F	tonode		**is_char**	function
F	tostring		**is_glyph**	function
F	traverse		**is_node**	function
F	traverse_char		**is_zero_glue**	function
F	traverse_id		**kerning**	function
F	unprotect_glyphs		**last_node**	function
F	unset_attribute		**length**	function
F	usedlist		**ligaturing**	function
F	vpack		**mlist_to_hlist**	function
F	write		**new**	function
effective_glue	function		**next**	function
end_of_math	function		**prev**	function
family_font	function		**protect_glyph**	function
fields	function		**protect_glyphs**	function

protrusion_skippable	function	**subtypes**	function
rangedimensions	function	**tail**	function
remove	function	**tostring**	function
set_attribute	function	**traverse**	function
set_properties_mode	function	**traverse_char**	function
set_synctex_line	function	**traverse_id**	function
set_synctex_mode	function	**type**	function
set_synctex_tag	function	**types**	function
setfield	function	**unprotect_glyphs**	function
setglue	function	**unset_attribute**	function
setproperty	function	**usedlist**	function
setwhd	function	**vpack**	function
slide	function	**whatsits**	function
subtype	function	**write**	function

nodes (context)

accentcodes	data table	**fields**	function
aligned	function	**fillcodes**	data table
append	function	**find_attribute**	function
apply	function	**first_glyph**	function
astable	function	**firstcharacter**	function
basepoints	function	**firstcharinbox**	function
boundarycodes	data table	**firstdirinbox**	function
boxes	table	**firstglyph**	function
F dimensions		**flush**	function
F direct		**flush_list**	function
F found		**flush_node**	function
F reset		**free**	function
F restore		**fullhpack**	function
F save		**getbox**	function
builders	table	**getchar**	function
F buildpage_filter		**getdisc**	function
F vpack_filter		**getfield**	function
check_discretionaries	function	**getfont**	function
codes	data table	**getglue**	function
concat	function	**getid**	function
copy	function	**getleader**	function
copy_list	function	**getlist**	function
copy_node	function	**getnext**	function
count	function	**getprev**	function
countall	function	**getsubtype**	function
current_attr	function	**getwhd**	function
delete	function	**gluecodes**	data table
destinations	table	**glyphcodes**	data table
N attribute		**glyphdir_is_equal**	data table
T done		**glyphdir_is_opposite**	data table
F handler		**glyphdir_is_orthogonal**	data table
T stack		**handlers**	table
dimensionfields	data table	F accessibility	
dimensions	function	F alignbackgrounds	
dir_is_pop	data table	F backgrounds	
dir_negation	data table	F characters	
disccodes	data table	F checkforleaks	
discretionarycodes	data table	F checkglyphs	
effective_glue	function	F cleanupbox	
end_of_math	function	F cleanuppage	
fencecodes	data table	F export	

F finalize		**isglyph**	function
F flatten		**kerncodes**	data table
F flattenline		**kerning**	function
F migrate		**keys**	table
F protectglyphs		T whatsit	
F stripping		**last_node**	function
F textbackgrounds		**leadercodes**	data table
F unprotectglyphs		**leftmarginwidth**	function
has_attribute	function	**length**	function
has_field	function	**ligaturing**	function
has_glyph	function	**linefillers**	table
hpack	function	D data	
idstostring	function	F define	
ignorablefields	data table	F enable	
injections	table	F handler	
F copy		**lines**	table
F getligaindex		T boxed	
F getthreshold		F register	
F handler		F setup	
F installnewkern		F stage_one	
F isspace		F stage_two	
F keepcounts		D data	
F reset		F finalize	
F resetcounts		F number	
F setcursive		N scratchbox	
F setkern		**link**	function
F setligaindex		**linked**	function
F setmark		**list**	function
F setpair		**listablefields**	data table
F setspacekerns		**listcodes**	data table
insert_after	function	**listtoutf**	function
insert_before	function	**load**	function
insert_list_after	function	**locate**	function
installattributehandler	function	**margincodes**	data table
is_char	function	**marginkerncodes**	data table
is_direct	function	**markers**	table
is_display_math	function	F get	
is_glyph	function	**mathcodes**	data table
is_mirrored	data table	**maxboxwidth**	function
is_node	function	**mlist_to_hlist**	function
is_nut	function	**new**	function
is_rotated	data table	**noadcodes**	data table
is_zero_glue	function	**noadoptions**	table
ischar	function	N axis	

N exact		F getattribute
N left		F getattributelist
N middle		F getattrlist
N no_axis		F getboth
N right		F getbox
N set		F getchar
N unused_1		F getcomponents
N unused_2		F getdepth

nodecodes	data table	F getdir
nopts	function	F getdisc
nuts	table	F getdiscretionary
F append		F getfield
F apply		F getfont
F applyvisuals		F getglue
F check_discretionaries		F getheight
F concat		F getid
F copy		F getkern
F copy_list		F getlang
F copy_no_components		F getlanguage
F copy_node		F getleader
F copy_only_glyphs		F getlist
F copy_properties		F getnext
F copyvisual		F getnucleus
F count		F getoffsets
F count_components		F getpenalty
F countall		F getprev
F current_attr		F getprop
F delete		F getshift
F dimensions		F getsub
F effective_glue		F getsubtype
F end_of_math		F getsup
F find_attribute		F getsurround
F first_glyph		F getwhd
F firstcharacter		F getwidth
F firstcharinbox		F has_attribute
F firstglyph		F has_field
F flush		F has_glyph
F flush_list		H hpack
F flush_node		F insert_after
F free		F insert_before
F fullhpack		F insert_list_after
F get_components		F is_char
F get_synctex_fields		F is_direct
F getattr		F is_display_math

```
F is_glyph                          F pdfrestore
F is_node                           F pdfsave
F is_nut                            F pdfsetmatrix
F is_zero_glue                      F penalty
F ischar                            F register
F isglyph                           F rightmarginkern
F kerning                           F rightskip
F last_node                         F rule
F leftmarginwidth                   F shrink
F length                            F special
F ligaturing                        F stretch
F link                              F temp
F linked                            F textdir
F locate                            F usage
F mlist_to_hlist                    F userattributes
F nestedtracedslide                 T userids
F new                                 N margins.inline
T pool                                N property
  F baselineskip                      N splitters.one
  F boundary                          N splitters.two
  F cleanup                         F userlist
  F disc                            F userlua
  F emptyrule                       F usernumber
  F fontkern                        F userrule
  F glue                            F userstring
  F gluespec                        F usertokens
  F glyph                           F vlist
  F hlist                           F wordboundary
  F italickern                    F prepend
  F kern                          F protect_glyph
  F latelua                       F protect_glyphs
  F lateluafunction               F protrusion_skippable
  F leftmarginkern                F rangedimensions
  F leftskip                      F rawprop
  F lineskip                      F reference
  F negatedglue                   F rehpack
  F noad                          F remove
  F pdfannotation                 F repackhlist
  F pdfdestination                F replace
  F pdfdirectliteral              F rightmarginwidth
  F pdfliteral                    F set_attribute
  F pdforiginliteral              F set_components
  F pdfpageliteral                F set_synctex_fields
  F pdfrawliteral                 F setattr
```

F setattribute		F take_components		
F setattributelist		F takeattr		
F setattributes		F takebox		
F setattrlist		F takelist		
F setboth		F theprop		
F setbox		F tonode		
F setchar		F tonodes		
F setcomponents		F tonut		
F setdepth		F tosequence		
F setdir		F tostring		
F setdisc		F tracedslide		
F setdiscretionary		F traverse		
F setfield		F traverse_char		
F setfont		F traverse_id		
F setglue		T typesetters		
F setheight		F tohbox		
F setkern		F tohpack		
F setlang		F tonodes		
F setlanguage		F tovbox		
F setleader		F tovpack		
F setlink		F unprotect_glyphs		
F setlist		F unset_attribute		
F setnext		F unsetattribute		
F setnucleus		F unsetattributes		
F setoffsets		F untracedslide		
F setpenalty		F use_components		
F setprev		F usedlist		
F setprop		F vianodes		
F setshift		F vianuts		
F setsplit		F vpack		
F setsub		F write		

packlist   function
pardir_is_equal   data table
pardir_is_opposite   data table
pardir_is_parallel   data table
partextdir_is_equal   data table
penaltycodes   data table
plugindata   table

F setsubtype
F setsup
F setsurround
F setunsetattributes
F setvisual
F setvisuals
F setwhd
F setwidth
F slide
F somepenalty
F somespace
F splitbox
F tail

  F finalizer
  F initializer
  S name
  T namespace
    N attribute
    D data

F enable		T data	
F handler		F delayed	
F register		**protect_glyph**	function
D registered		**protect_glyphs**	function
D values		**protrusion_skippable**	function
F processor		**pts**	function
points	function	**radicalcodes**	data table
pool	table	**rangedimensions**	function
F baselineskip		**reference**	function
F cleanup		**references**	table
F glyph		N attribute	
F hlist		T done	
F kern		F handler	
F latelua		T stack	
F lineskip		**rehpack**	function
F pdfdirect		**remove**	function
F pdfliteral		**repackhlist**	function
F pdforiginliteral		**replace**	function
F pdfrestore		**report**	function
F pdfsave		**rightmarginwidth**	function
F pdfsetmatrix		**rulecodes**	data table
F register		**rules**	table
F rule		D data	
F special		F define	
F usage		F enable	
F usernumber		F handler	
F vlist		T ruleactions	
prepend	function	F draw	
print	function	F fill	
processors	table	F mp	
F contribute_filter		F stroke	
B enabled		F userrule	
F hpack_filter		**save**	function
F post_linebreak_filter		**serialize**	function
F pre_linebreak_filter		**serializebox**	function
F tracer		**set_attribute**	function
processranges	function	**set_synctex_line**	function
processwords	function	**set_synctex_tag**	function
properties	table	**setattributes**	function
T actions		**setboth**	function
F delayed		**setbox**	function
F fdelayed		**setboxtonaturalwd**	function
F immediate		**setfield**	function
F attach		**setglue**	function

setlink	function		F prependaction
setlist	function		F removeaction
setnext	function		F replaceaction
setprev	function		F restart
setunsetattributes	function		F setaction
setwhd	function		F showactions
shifts	table		F table
D data		**textdir_is_equal**	data table
F define		**textdir_is_is**	data table
F enable		**textdir_is_opposite**	data table
F handler		**textdir_is_parallel**	data table
show	function	**tobasepoints**	function
showboxes	function	**tocentimeters**	function
showcodes	function	**tociceros**	function
showlist	function	**todidots**	function
showsimplelist	function	**todimen**	function
skipcodes	data table	**toinches**	function
slide	function	**tomillimeters**	function
snapshots	table	**tonewciceros**	function
F getparameters		**tonewdidots**	function
F getsamples		**tonode**	function
F resetsamples		**tonodes**	function
F takesample		**tonut**	function
somepenalty	function	**topicas**	function
somespace	function	**topoints**	function
splitbox	function	**toscaledpoints**	function
stripdiscretionaries	function	**tosequence**	function
stripping	table	**tostring**	function
T glyphs		**totable**	function
F set		**totree**	function
striprange	function	**toutf**	function
tail	function	**tracers**	table
takeattr	function	T characters	
takebox	function	F collect	
tasks	table	F equal	
F actions		F start	
F appendaction		F string	
F disableaction		F unicodes	
F disablegroup		T colors	
F enableaction		F reset	
F enablegroup		F set	
F freeze		F setlist	
F freezegroup		F fontchar	
F new		T frequencies	

F register		**traverse_id**	function
T pool		**typesetters**	table
T nodes		F hbox	
F rule		F hpack	
T nuts		F tohbox	
F rule		F tohpack	
F resetproperties		F tonodes	
F rule		F tovbox	
F setlist		F tovpack	
F setproperties		F vpack	
F start		**unprotect_glyphs**	function
T steppers		**unset_attribute**	function
F check		**unsetattribute**	function
F codes		**unsetattributes**	function
F features		**usedlist**	function
F font		**usercodes**	data table
F glyphs		**vianodes**	function
F message		**vianuts**	function
F messages		**visualizebox**	function
F nofsteps		**visualizers**	table
F register		F box	
F reset		F handler	
F start		F markfonts	
F stop		F setfont	
F stop		F setlayer	
T transparencies		F setvisual	
F reset		**vpack**	function
F set		**whatcodes**	data table
F setlist		**whatsitcodes**	data table
traverse	function	**write**	function
traverse_char	function		

number (context)

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

objects (context)

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

os (basic lua)

__getenv__	function	**remove**	overloaded function
__setenv__	function	**rename**	overloaded function
binsuffix	string	**resolvers**	table
binsuffixes	table		F bits
clock	function	**resultof**	function
converttime	function	**runtime**	function
date	function	**selfdir**	string
difftime	function	**setenv**	overloaded function
env	data table	**setlocale**	overloaded function
exec	overloaded function	**sleep**	function
execute	overloaded function	**spawn**	overloaded function
exit	function	**time**	function
fulltime	function	**times**	function
getenv	overloaded function	**timezone**	function
gettimeofday	function	**tmpdir**	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
platform	string		

package (basic lua)

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

pagebuilders (context)

columnsets   table
- F add
- F block
- F check
- F currentcolumn
- F define
- F finishflush
- F flushareas
- F flushcolumn
- F flushrest
- F goto
- F noto
- F prepareflush
- F put
- F registerarea
- F reset
- F setarea

- F sethsize
- F sethspan
- F setlines
- F setproperties
- F setstart
- F setvsize

injections   table
- F flushafter
- F flushbefore
- F save

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

pdf (basic tex)

fontname	function	**immediateobj**	function
fontobjnum	function	**mapfile**	function
fontsize	function	**mapline**	function
getcatalog	function	**maxobjnum**	function
getcompresslevel	function	**newcolorstack**	function
getcreationdate	function	**obj**	function
getdecimaldigits	function	**objtype**	function
getdestmargin	function	**pageref**	function
getgentounicode	function	**print**	function
gethpos	function	**refobj**	function
getignoreunknownimages	function	**registerannot**	overloaded function
getimageresolution	function	**reserveobj**	function
getinclusionerrorlevel	function	**setcatalog**	overloaded function
getinfo	function	**setcompresslevel**	function
getlastannot	function	**setdecimaldigits**	function
getlastlink	function	**setdestmargin**	function
getlastobj	function	**setfontattributes**	function
getlinkmargin	function	**setgentounicode**	function
getmajorversion	function	**setignoreunknownimages**	function
getmatrix	function	**setimageresolution**	function
getminorversion	function	**setinclusionerrorlevel**	function
getnames	function	**setinfo**	overloaded function
getobjcompresslevel	function	**setlinkmargin**	function
getomitcidset	function	**setmajorversion**	function
getorigin	function	**setminorversion**	function
getpageattributes	function	**setnames**	overloaded function
getpageresources	function	**setobjcompresslevel**	function
getpagesattributes	function	**setomitcidset**	function
getpkresolution	function	**setorigin**	function
getpos	function	**setpageattributes**	overloaded function
getretval	function	**setpageresources**	overloaded function
getsuppressoptionalinfo	function	**setpagesattributes**	overloaded function
getthreadmargin	function	**setpkresolution**	function
gettrailer	function	**setsuppressoptionalinfo**	function
gettrailerid	function	**setthreadmargin**	function
getversion	function	**settrailer**	overloaded function
getvpos	function	**settrailerid**	function
getxformattributes	function	**setxformattributes**	function
getxformmargin	function	**setxformmargin**	function
getxformresources	function	**setxformresources**	function
hasmatrix	function	**xformname**	function

pdfscanner (context)

scan function

physics (context)

units table   D tables

    F registerunit

publications (context)

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

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

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

F showfields		**usedataset**	function
F showhashedauthors		**usedentries**	function
F showtables		**writers**	table
F showvariants		F author	
typesetters	table	F keyword	
F author		F pagenumber	
F string		F range	

regimes (context)

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

resolvers (context)

allprefixes	function	**findtexfile**	function
appendhash	function	**findwildcardfile**	function
automount	function	**findwildcardfiles**	function
automounted	table	**formatofsuffix**	function
booleanvariable	function	**formatofvariable**	function
cacheversion	string	**formats**	data table
checkedvariable	function	**generators**	data table
cleanedpathlist	function	**get_from_content**	function
cleanpath	function	**getenv**	function
cleanpathlist	function	**getownpath**	function
concatinators	data table	**getreadfilename**	function
configbanner	string	**hashers**	data table
criticalvars	data table	**homedir**	string
dangerous	data table	**inputstack**	table
datastate	function	**installinputfilehandler**	function
defaultsuffixes	table	**installinputlinehandler**	function
dowithfilesandreport	function	**instance**	table
dowithfilesintree	function	D data	
dowithpath	function	B diskcache	
dowithvariable	function	D environment	
env	function	D expansions	
executers	table	D fakepaths	
expandbraces	function	D files	
expandedpathfromlist	function	B force_suffixes	
expandedpathlist	function	D found	
expandedpathlistfromvariable	function	D foundintrees	
expandpath	function	D hashed	
expandpathfromvariable	function	D hashes	
expansion	function	D lists	
extendtexmfvariable	function	B loaderror	
filtered_from_content	function	D order	
~~**find_file**~~	~~function~~	D pathlists	
~~**find_files**~~	~~function~~	T pathstack	
findbinfile	function	B remember	
findctxfile	function	B renewcache	
finders	data table	B renewtree	
findfile	function	B savelists	
findfiles	function	D setups	
findgivenfile	function	D specification	
findgivenfiles	function	D variables	
findpath	function	**jobpath**	function

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

unexpandedpathlist	function	**usezipfile**	function
unresolve	function	**validatedpath**	function
updaterelations	function	**variable**	function
updatescript	function	**variableofformat**	function
uselibrary	function	**variableofformatorsuffix**	function
usertypes	data table	**wildcardpattern**	function

sandbox (context)

disablelibraries	function	**possiblepath**	function
disablerunners	function	**redefine**	function
enable	function	**register**	function
filehandlerone	function	**registerbinary**	function
filehandlertwo	function	**registerlibrary**	function
finalizer	function	**registerroot**	function
getrunner	function	**registerrunner**	function
initializer	function	**report**	function
iohandler	function	**setfilenamelogger**	function
logcalls	function	**setlogger**	function
logfiles	function	**setreporter**	function
original	function	**settrace**	function
overload	function	**validfilename**	function

scripts (context)

autofontfeature   table
   F disable
   F enable
   F handler
categorytonumber data table
colors   data table
decomposehangul   function
defaults   table
   N inter_char_half_shrink_factor
   N inter_char_half_stretch_factor
   N inter_char_hangul_penalty
   N inter_char_quarter_shrink_factor
   N inter_char_quarter_stretch_factor
   N inter_char_shrink_factor

   N inter_char_stretch_factor
   N inter_word_stretch_factor
handlers   data table
hash   table
injectors   data table
installdataset   function
installmethod   function
numbertocategory data table
numbertodataset   data table
numbertohandler   data table
reset   function
set   function
splitters   data table

set (context)

contains function
create function
tolist function

tonumber function
totable function

sio (context)

read2dot14	function	**readfixed2**	function
readbytes	function	**readfixed4**	function
readbytetable	function	**readinteger1**	function
readcardinal1	function	**readinteger2**	function
readcardinal2	function	**readinteger3**	function
readcardinal3	function	**readinteger4**	function
readcardinal4	function		

socket (extra lua)

BLOCKSIZE	number
_DEBUG	boolean
_SETSIZE	number
bind	function
choose	function
connect	function
connect4	function
connect6	function
dns	table

    F getaddrinfo
    F gethostname
    F getnameinfo
    F tohostname
    F toip

ftp	table

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

gettime	function
headers	table

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

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

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

sorters (context)

basicsorter function
comparers table
  F basic
constants table
  S defaultdigits
  S defaultlanguage
  S defaultmethod
  N digitsmaximum
  N digitsoffset
  N ignoredoffset
  N replacementoffset
  T validmethods
   B ch
   B mc
   B mm
   B pc

   B pm
   B uc
   B zc
   B zm
definitions data table
firstofsplit function
packch function
packuc function
setlanguage function
sort function
splitters table
  F utf
strip function
tracers data table
update function

statistics (context)

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

status (basic tex)

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

structures (context)

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

D	data	F	savedlistnumber
F	define	F	savedlistprefixednumber
F	getdata	F	savedlisttitle
F	getlocation	D	sectionblocks
F	getname	F	sectionnumber
F	getnumber	F	size
F	setlocation	F	title
F	setup	D	tobesaved
D	stored	F	userdata
		F	uservalue

itemgroups table

lists table

F	addto		**marks** table
F	analyze	D	data
B	autoreorder	F	define
D	cached	F	exists
D	collected	F	fetch
F	discard	F	fetchallmarks
F	enhance	F	fetched
T	enhancers	F	fetchonemark
F	filter	F	fetchtwomarks
F	formulanumber	F	get
F	getresult	F	number
F	groupindex	F	relate
F	hasnumberdata	F	reset
F	haspagedata	F	set
F	hastitledata	F	show
F	iscached	F	synchronize
D	kinds	F	title
F	label	T	tracers
F	location		F showtable
D	names		
F	number		**notes** table
D	ordered	F	check_spacing
F	page	F	checkpagechange
F	popnesting	F	define
F	prefix	F	doifonsamepageasprevious
F	prefixednumber	F	get
F	prefixedpage	F	getdeltapage
F	process	F	getinternal
D	pushed	F	getn
F	pushnesting	F	getstate
F	realpage	F	hascontent
F	reordered	F	internal
T	result	F	internalid
		F	listindex
		T	numbers

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

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

table (basic lua)

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

tex (basic tex)

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

set	function	**skip**	table
setattribute	function	**sp**	function
setbox	function	**splitbox**	function
setcatcode	function	**sprint**	function
setcount	function	**systemmodes**	data table
setdelcode	function	**takebox**	function
setdimen	function	**texcatcodes**	number
setglue	function	**toks**	table
setlccode	function	**tpacatcodes**	number
setlist	function	**tpbcatcodes**	number
setmath	function	**tprint**	function
setmathcode	function	**trackers**	data table
setmuglue	function	**triggerbuildpage**	function
setmuskip	function	**txtcatcodes**	number
setnest	function	**type**	function
setsfcode	function	**uccode**	table
setskip	function	**uniform_rand**	function
settoks	function	**uniformdeviate**	function
setuccode	function	**uprint**	function
sfcode	table	**useboxresource**	function
shipout	function	**vrbcatcodes**	number
show_context	function	**write**	function

texconfig (basic tex)

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

texio (basic tex)

setescape function   **write_nl** function

write   function

token (basic tex)

create	function	**is_token**	function
get_active	function	**put_next**	function
get_cmdname	function	**scan_code**	function
get_command	function	**scan_csname**	function
get_csname	function	**scan_dimen**	function
get_expandable	function	**scan_glue**	function
get_id	function	**scan_int**	function
get_index	function	**scan_keyword**	function
get_macro	function	**scan_string**	function
get_meaning	function	**scan_token**	function
get_mode	function	**scan_toks**	function
get_next	function	**scan_word**	function
get_protected	function	**set_macro**	function
get_tok	function	**type**	function

tokens (context)

astable function
bgroup userdata
bits table
  N active
  N alignment
  N begingroup
  N character
  N close
  N comment
  N endgroup
  N endofline
  N escape
  N ignore
  N invalid
  N letter
  N mathshift
  N open
  N other
  N parameter
  N space
  N subscript
  N superscript
  N whitespace
collectors table
  T data
  F defaultwords
  F dowithwords
  F flush
  F install
  F register
  T registered
  F show
  F test
compile function
constant function
converters table
  S toboolean
  S todimen
  S toglue
  S tonumber
  S tostring

defined function
egroup userdata
getters table
  F box
  F count
  F dimen
  F glue
  F macro
  F meaning
  F skip
  F token
hbox userdata
istoken function
letter function
letters function
other function
pickup function
printlist function
scanners table
  F boolean
  F code
  F conditional
  F count
  F csname
  F dimen
  F dimension
  F glue
  F integer
  F keyword
  F list
  F lxmlid
  F number
  F scanclose
  F scanopen
  F skip
  F string
  F token
  F tokens
  F toks
  F word
scantable function

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

S	tonumber	N	close
S	tostring	F	inspect
F	defined	N	open
U	egroup	F	report
T	getters	F	scanboolean
F	box	F	scanclose
F	count	F	scancode
F	dimen	F	scanconditional
F	glue	F	scancsname
F	macro	F	scandimen
F	meaning	F	scandimension
F	skip	F	scaninteger
F	token	F	scankeyword
U	hbox	F	scanlist
F	istoken	F	scannumber
F	letter	F	scanopen
F	letters	F	scanstring
F	other	F	scanword
F	pickup	F	toboolean
F	printlist	F	todimen
F	scantable	F	tonumber
T	setters	F	tostring
F	box	U	vbox
F	count	U	vtop
F	dimen	F	tonumber
F	glue	F	tostring
F	macro		
F	skip		
T	shortcuts		

vbox	userdata
vtop	userdata

tracers (context)

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

trackers (context)

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

typesetters (context)

alignments   table
- F handler
- F set

breakpoints   table
- F define
- F handler
- D mapping
- T methods
- T numbers
- F set
- F setreplacement

cases   table
- T actions
- F handler
- F register
- F set

characteralign   table
- F handler
- F resetcharacteralign
- F setcharacteralign

characters   table
- F handler
- T methods
- F replacenbsp
- F replacenbspaces

checkers   table
- F handler
- F reset
- F set

cleaners   table
- F handler
- F set

digits   table
- T actions
- F handler
- F set

directions   table
- F getfences
- F getglobal
- F getmethod
- F handler

T handlers
- F installhandler
- F processmath
- F set
- F setcolor
- F setmath
- F tomode

firstlines   table
- T actions
  - F default
  - F line
  - F word
- F handler
- F set

fontkerns   table
- F handler

initials   table
- T actions
  - F default
- F addanchortoline
- F addtoline
- F calculatedelta
- F checkline
- F handler
- F moveinline
- F normalize
- F set

injectors   table
- F check
- T list
- F mark
- F reset
- F set
- F show

italics   table
- F enablemath
- F enabletext
- F forcevariant
- F handler
- F reset
- F set

kerns table

D factors

F handler

F keepligature

B keeptogether

D mapping

F set

manipulators table

F apply

F applyspecification

T methods

  F Word

  F Words

  F abbreviatedjournal

  F expandedjournal

  F lowercase

  F stripperiod

  F uppercase

T patterns

  U list

  U pair

F splitspecification

margins table

F finalhandler

F globalhandler

F localhandler

F save

marksuspects function

paragraphs table

F addanchortoline

F addtoline

F calculatedelta

F checkline

F handler

F moveinline

F normalize

F set

processors table

F apply

F register

F reset

F split

F startapply

F stopapply

F stripped

F tostring

rubies table

F attach

F check

showsuspects function

spacings table

F define

F handler

D mapping

T numbers

  T frenchpunctuation

    T characters

    S name

    N number

F reset

F set

F setup

wrappers table

F handler

xtables table

F cleanup

F construct

F create

F finish_row

F flush

F initialize_construct

F initialize_reflow_height

F initialize_reflow_width

F next_row

F reflow_height

F reflow_width

F set_construct

F set_reflow_height

F set_reflow_width

unicode (extra lua)

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

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

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

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

toutf32string   function
utf8   table
- F byte
- F char
- F characters
- F chrlen
- F count
- F dump
- F filetype
- F find
- F format
- F gfind
- F gmatch
- F gsub
- F is_valid
- F len
- F length
- F lower
- F magic
- F match
- F remapper
- F rep
- F replacer
- F reverse
- F split
- F splitlines
- F sub
- F subtituter
- F tocodes
- F toeight
- F toentities
- F tostring
- F totable
- F upper

F ustring

F utf16_to_utf8_be

F utf16_to_utf8_be_t

F utf16_to_utf8_le

F utf16_to_utf8_le_t

F utf16_to_utf8_t

F utf32_to_utf8_be

F utf32_to_utf8_be_t

F utf32_to_utf8_le

F utf32_to_utf8_le_t

F utf32_to_utf8_t

F utf8_to_utf16

F utf8_to_utf16_be

F utf8_to_utf16_le

F utf8_to_utf8_t

F values

F xstring

url (context)

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

utilities (context)

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

files   table
- F close
- F getposition
- F getsize
- F look
- F open
- F read2dot14
- F readbyte
- F readbytes
- F readbytetable
- F readcardinal
- F readcardinal1
- F readcardinal2
- F readcardinal2le
- F readcardinal3
- F readcardinal3le
- F readcardinal4
- F readcardinal4le
- F readchar
- F readfixed2
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger2
- F readinteger2le
- F readinteger3
- F readinteger3le
- F readinteger4
- F readinteger4le
- F readsignedbyte
- F readstring
- F readtag
- F setposition
- F size
- F skip

- F skiplong
- F skipposition
- F skipshort
- F writebyte
- F writecardinal2
- F writecardinal4
- F writestring

formatters   table
- F formatcolumns
- F list
- F stripzeros

garbagecollector   table
- F check
- N criterium
- B enabled

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

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

```
   F readstring                         U retain and no empty
   F setposition                     F striplines
   F size                            F striplong
   F skip                            F tabtospace
   F skipbytes                       T tracers
   F skiplong                    tables              table
   F skipshort                       F accesstable
strings             table             F definedtable
   F collapsecrlf                    F definetable
   T formatters                      F encapsulate
    F add                            F insertaftervalue
    F new                            F insertbeforevalue
   F newrepeater                     F migratetable
   F nice                            F removevalue
   T striplinepatterns               F replacevalue
    U collapse                   templates           table
    U prune                          F load
    U prune and collapse             F replace
    U prune and no empty             F replacer
    U retain                         F resolve
    U retain and collapse
```

vf (context)

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

xml (context)

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

finalizers	table	F index	
F paragraphs		F last	
T tex		F lowerall	
F all		F match	
F attribute		F name	
F chainattribute		F position	
F chainpath		F reverse	
F command		F table	
F concat		F tag	
F concatrange		F tags	
F context		F text	
F count		F texts	
F ctxtext		F upperall	
F default		**first**	function
F first		**found**	function
F function		**functions**	table
F index		**getbuffer**	function
F last		**gethandlers**	function
F lettered		**gethandlersfunction**	function
F lower		**helpers**	table
F lowerall		F recursetext	
F match		**include**	function
F name		**inclusion**	function
F position		**inclusions**	function
F reverse		**index**	function
F stripped		**inheritedconvert**	function
F tag		**inject**	function
F tags		~~**inject_element**~~	~~function~~
F text		~~**inject_element_after**~~	~~function~~
F upper		~~**inject_element_before**~~	~~function~~
F upperall		**injectafter**	function
T xml		**injectbefore**	function
F all		**insert**	function
F att		**insert_element**	function
F attribute		~~**insert_element_after**~~	~~function~~
F attributes		~~**insert_element_before**~~	~~function~~
F cdata		**insertafter**	function
F chainattribute		**insertbefore**	function
F count		**insertcdata**	function
F default		**insertcomment**	function
F elements		**inspect**	function
F empty		**is_valid**	function
F first		**kind**	function
F function		**last**	function

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

toxml	function	**unspecialized**	function
tprint	function	**withelement**	function
traverse	function	**withelements**	function
unescaped	function	**wrap**	function
unescapedentitylpeg	userdata	**xmlns**	table
unprivatized	function		

zip (extra lua)

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

zlib (extra lua)

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