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

ConTEXt MkIV

global (alias: _G)

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

mathematics	table	**sandbox**	table
mbox	table	**scripts**	table
md5	table	**select**	function
metapost	table	**set**	table
mime	table	**setfenv**	function
module	function	**setinspector**	function
moduledata	table	**setmetatable**	function
modules	table	**socket**	table
mp	function	**sorters**	table
mplib	table	**statistics**	table
newproxy	function	**status**	table
next	function	**storage**	table
noads	table	**streams**	table
node	table	**string**	table
nodes	table	**structures**	table
number	table	**swiglib**	function
objects	table	**table**	table
optionalrequire	function	**tex**	table
os	table	**texconfig**	table
package	table	**texio**	table
pagebuilders	table	**thirddata**	table
pairs	function	**toboolean**	function
parametersets	table	**tokens**	table
pcall	function	**tonumber**	function
pdf	table	**tostring**	function
pdfboolean	function	**tracers**	table
pdfnull	function	**trackers**	table
pdfreference	function	**type**	function
pdfscanner	table	**typesetters**	table
pdfverbose	function	**unicode**	table
physics	table	**unpack**	function
print	function	**url**	table
profiler	table	**userdata**	table
publications	table	**utf**	table
rawequal	function	**utilities**	table
rawget	function	**vf**	table
rawlen	function	**visualizers**	table
rawset	function	**xml**	table
regimes	table	**xpcall**	function
require	function	**zip**	table
resolvers	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
- B couple
- D data
- N default
- F defineintermediatecolor
- F definemultitonecolor
- F defineprocesscolor
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- F forcedmodel
- F forcesupport
- F formatcolor
- F formatgray
- F getpagecolormodel
- F gray
- F graytohsv
- F handler
- F hsvtogray
- F hsvtorgb
- F iccprofile
- F isblack
- N main
- S model
- D models
- F mpcolor
- F mpnamedcolor

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

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

handlers   table
list   data table
names   data table

negatives	table		U	none
N	attribute		F	register
D	data		D	registered
F	enable		B	supported
F	handler		B	triggering
F	register		F	value
D	registered		D	values
F	set		**unsetvalue**	number
numbers	data table		**viewerlayers**	table
ofnode	function		N	attribute
private	function		F	cleanup
public	function		D	data
restore	function		F	define
save	function		F	definedlayoutcomponent
showcurrent	function		F	enable
states	table		F	forcesupport
F	disabletriggering		F	handler
F	enabletriggering		B	hasorder
F	finalize		D	listwise
F	initialize		F	register
F	process		D	registered
F	selective		F	resolve_begin
F	stacked		F	resolve_end
F	stacker		F	resolve_reset
system	function		F	resolve_step
transparencies	table		D	scopes
N	attribute		F	setfeatures
D	data		F	start
F	enable		F	stop
F	forcesupport		B	supported
F	handler		D	values

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
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 stoplayer
      F stopunicodetoactualtext
      F supportedformats
      F unicodetoactualtext
      F useviewerlayer
      F validfield
      F validfieldcategory
      F validfieldset
    S comment
    T nodeinjections
      F addtags
      F annotation

F attachfile
F changestackedlayer
F cmykcolor
F comment
F destination
F effect
F graycolor
F injectbitmap
F insertmovie
F insertsound
F insertswf
F insertu3d
F knockout
F negative
F overprint
F positive
F reference
F rgbcolor
F spotcolor
F startlayer

F startstackedlayer
F stoplayer
F stopstackedlayer
F transparency
F typesetfield
T registrations
F cmykindexcolor
F cmykspotcolor
F getspotcolorreference
F grayindexcolor
F grayspotcolor
F rgbindexcolor
F rgbspotcolor
F spotcolorname
F transparency
T tables
D vfspecials

registrations   table
tables   table

bit (context)

arshift	function	**lshift**	function
band	function	**rol**	function
bnot	function	**ror**	function
bor	function	**rshift**	function
bswap	function	**tobit**	function
bxor	function	**tohex**	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	define
assign	function		F	hassomecontent
collectcontent	function		F	next
erase	function		F	place
exists	function		F	reset
getcontent	function		F	save
getlines	function	**prepend**	function	
loadcontent	function	**raw**	function	
parallel	table	**undent**	function	

builders (context)

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

paragraphs   table
- T constructors
  - N attribute
  - F define
  - F disable
  - F enable
  - F handler
  - T methods
    - F basic
    - F default
    - F 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	**hashed**	function
base	string	**is_writable**	function
collapsecontent	function	**loadcontent**	function
configfiles	function	**loaddata**	function
contentstate	function	**more**	string
defaults	table	**relocate**	boolean
define	function	**savecontent**	function
direct	boolean	**savedata**	function
force	boolean	**setfirstwritablefile**	function
getfirstreadablefile	function	**setluanames**	function
getfirstreadablefile_TEST_ME_FIRST	function	**tree**	string
getreadablepaths	function	**treehash**	function
getwritablepath	function	**usedpaths**	function

callback (basic tex)

find function

register overloaded function

list function

callbacks (context)

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

catcodes (context)

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

characters (context)

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

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

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	**isleapyear**	function
A:es	function	**lchexnumber**	function
AK	function	**lchexnumbers**	function
Alphabetic	function	**leapyear**	function
Alphabetic:es	function	**lower**	function
Character	function	**max**	function
Characters	function	**maxchrs**	function
I	function	**minute**	function
KA	function	**month**	function
KR	function	**nicenumber**	function
R	function	**nofdays**	function
RK	function	**number**	function
Romannumerals	function	**numbers**	function
Sloviannumerals	function	**octnumber**	function
Spanishnumerals	function	**octstringtonumber**	function
Word	function	**ordinal**	function
Words	function	**r**	function
a	function	**rawcharacter**	function
a:es	function	**romannumerals**	function
abjadnodotnumerals	function	**second**	function
abjadnumerals	function	**sequences**	data table
alphabetic	function	**settime**	function
alphabetic:es	function	**sloviannumerals**	function
character	function	**spanishnumerals**	function
characters	function	**textime**	function
chineseallnumerals	function	**toabjad**	function
chinesecapnumerals	function	**tochinese**	function
chinesenumerals	function	**toroman**	function
chr	function	**totime**	function
chrs	function	**uchexnumber**	function
cn	function	**uchexnumbers**	function
cn-a	function	**upper**	function
cn-c	function	**verbose**	table
convert	function	D data	
decimals	function	F translate	
define	function	**weekday**	function
hexstringtonumber	function	**word**	function
hour	function	**words**	function
i	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	**setfenv**	function
getfenv	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
globfiles	function	**push**	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
files   table
functions   table
getargument   function
getfilename   function
options   table
    T commandline
      D environments
      D modes
      D modules
    T ctxfile
      D environments

      D modes
      D modules
setargument   function
setcommandline   function
setdefaultargument function
setenvironments   function
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	**maxnofruns**	number
currentrun	number	**originalarguments**	data table
default_texmfcnf	string	**outputfilename**	string
definefilefallback	function	**ownbin**	string
definefilesynonym	function	**ownmain**	string
engineflags	data table	**ownname**	string
filename	string	**ownpath**	string
files	table	**prerollrun**	boolean
filesynonyms	data table	**rawarguments**	data table
forcedruns	number	**reconstructcommandline**	function
getargument	function	**relativepath**	function
homedir	string	**setargument**	function
initex	boolean	**splitarguments**	function
initializearguments	function	**suffix**	string
initializefilenames	function	**texfile**	function
inputfilebarename	string	**texmfos**	string
inputfilename	string	**texos**	string
inputfilesuffix	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		

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

fontloader (extra tex)

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

  N factor

  T features

    D afm

    D otf

    D tfm

  F finalize

  F getfeatureaction

  T handlers

    T afm

      B autoprefixed

      D cache

F hmtx

F kern

F loadfont

F loadshapes

F loca

F math

F maxp

F name

F os/2

F pack

F post

F registerextender

F rehash

T streamreader

  F close

  F getposition

  F look

  F open

  F read2dot14

  F readbyte

  F readbytes

  F readcardinal

  F readcardinal1

  F readcardinal2

  F readcardinal3

  F readcardinal4

  F readchar

  F readfixed4

  F readinteger

  F readinteger1

  F readinteger2

  F readinteger3

  F readinteger4

  F readstring

  F readtag

  F setposition

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N greekIotadasiaperispomeni

N greekIotadasiatonos

N greekIotadasiavaria

N greekIotadialytika

N greekIotamacron

N greekIotapsili

N greekIotapsiliperispomeni

N greekIotapsilitonos

N greekIotapsilivaria

N greekIotatonos

N greekIotavaria

N greekIotavrachy

N greekKappa

N greekLambda

N greekMu

N greekNu

N greekOmega

N greekOmegadasia

N greekOmegadasiaperispomeni

N greekOmegadasiatonos

N greekOmegadasiavaria

N greekOmegaiotasub

N greekOmegaiotasubdasia

N greekOmegaiotasubdasiaperispomeni

N greekOmegaiotasubdasiatonos

N greekOmegaiotasubdasiavaria

N greekOmegaiotasubpsili

N greekOmegaiotasubpsiliperispomeni

N greekOmegaiotasubpsilitonos

N greekOmegaiotasubpsilivaria

N greekOmegapsili

N greekOmegapsiliperispomeni

N greekOmegapsilitonos

N greekOmegapsilivaria

N greekOmegatonos

N greekOmegavaria

N greekOmicron

N greekOmicrondasia

N greekOmicrondasiatonos

N greekOmicrondasiavaria

N greekOmicronpsili

N greekOmicronpsilitonos

N greekOmicronpsilivaria

N greekOmicrontonos

N greekOmicronvaria

N greekPhi

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
N greekUpsilonvrachy
N greekXi
N greekZeta
N greekalpha
N greekalphadasia
N greekalphadasiaperispomeni
N greekalphadasiatonos
N greekalphadasiavaria
N greekalphaiotasub
N greekalphaiotasubdasia
N greekalphaiotasubdasiaperispomeni
N greekalphaiotasubdasiatonos
N greekalphaiotasubdasiavaria
N greekalphaiotasubperispomeni
N greekalphaiotasubpsili
N greekalphaiotasubpsiliperispomeni
N greekalphaiotasubpsilitonos
N greekalphaiotasubpsilivaria
N greekalphaiotasubtonos
N greekalphaiotasubvaria
N greekalphamacron
N greekalphaoxia
N greekalphaperispomeni
N greekalphapsili
N greekalphapsiliperispomeni
N greekalphapsilitonos
N greekalphapsilivaria
N greekalphatonos
N greekalphavaria
N greekalphavrachy
N greekbeta
N greekchi
N greekdasia
N greekdasiaperispomeni
N greekdasiatonos

N greekdasiavaria
N greekdelta
N greekdialytikaperispomeni
N greekdialytikatonos
N greekdialytikavaria
N greekdigamma
N greekepsilon
N greekepsilonalt
N greekepsilondasia
N greekepsilondasiatonos
N greekepsilondasiavaria
N greekepsilonoxia
N greekepsilonpsili
N greekepsilonpsilitonos
N greekepsilonpsilivaria
N greekepsilontonos
N greekepsilonvaria
N greeketa
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
N greeketaiotasubvaria
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N greeketaperispomeni
N greeketapsili
N greeketapsiliperispomeni
N greeketapsilitonos
N greeketapsilivaria
N greeketatonos
N greeketavaria
N greekfinalsigma
N greekgamma

N greekiota
N greekiotadasia
N greekiotadasiaperispomeni
N greekiotadasiatonos
N greekiotadasiavaria
N greekiotadialytika
N greekiotadialytikaperispomeni
N greekiotadialytikatonos
N greekiotadialytikavaria
N greekiotamacron
N greekiotaoxia
N greekiotaperispomeni
N greekiotapsili
N greekiotapsiliperispomeni
N greekiotapsilitonos
N greekiotapsilivaria
N greekiotatonos
N greekiotavaria
N greekiotavrachy
N greekkappa
N greekkoppa
N greeklambda
N greekmu
N greeknu
N greeknumkoppa
N greekomega
N greekomegadasia
N greekomegadasiaperispomeni
N greekomegadasiatonos
N greekomegadasiavaria
N greekomegaiotasub
N greekomegaiotasubdasia
N greekomegaiotasubdasiaperispomeni
N greekomegaiotasubdasiatonos
N greekomegaiotasubdasiavaria
N greekomegaiotasubperispomeni
N greekomegaiotasubpsili
N greekomegaiotasubpsiliperispomeni
N greekomegaiotasubpsilitonos
N greekomegaiotasubpsilivaria
N greekomegaiotasubtonos
N greekomegaiotasubvaria
N greekomegaoxia
N greekomegaperispomeni

N greekomegapsili
N greekomegapsiliperispomeni
N greekomegapsilitonos
N greekomegapsilivaria
N greekomegatonos
N greekomegavaria
N greekomicron
N greekomicrondasia
N greekomicrondasiatonos
N greekomicrondasiavaria
N greekomicronoxia
N greekomicronpsili
N greekomicronpsilitonos
N greekomicronpsilivaria
N greekomicrontonos
N greekomicronvaria
N greekoxia
N greekperispomeni
N greekphi
N greekphialt
N greekpi
N greekpialt
N greekprosgegrammeni
N greekpsi
N greekpsili
N greekpsiliperispomeni
N greekpsilitonos
N greekpsilivaria
N greekrho
N greekrhoalt
N greekrhodasia
N greekrhopsili
N greeksampi
N greeksigma
N greeksigmalunate
N greekstigma
N greektau
N greektheta
N greekthetaalt
N greektonos
N greekupsilon
N greekupsilondasia
N greekupsilondasiaperispomeni
N greekupsilondasiatonos

N greekupsilondasiavaria

N greekupsilondiaeresis

N greekupsilondialytikaperispomeni

N greekupsilondialytikatonos

N greekupsilondialytikavaria

N greekupsilonmacron

N greekupsilonoxia

N greekupsilonperispomeni

N greekupsilonpsili

N greekupsilonpsiliperispomeni

N greekupsilonpsilitonos

N greekupsilonpsilivaria

N greekupsilontonos

N greekupsilonvaria

N greekupsilonvrachy

N greekvaria

N greekxi

N greekzeta

N gstroke

N guilsingleleft

N guilsingleright

N hairspace

N hcaron

N hcircumflex

N hebrewAlef

N hebrewAyin

N hebrewBet

N hebrewDalet

N hebrewGimel

N hebrewHe

N hebrewHet

N hebrewKaf

N hebrewKaffinal

N hebrewLamed

N hebrewMem

N hebrewMemfinal

N hebrewNun

N hebrewNunfinal

N hebrewPe

N hebrewPefinal

N hebrewQof

N hebrewResh

N hebrewSamekh

N hebrewShin

N hebrewTav

N hebrewTet

N hebrewTsadi

N hebrewTsadifinal

N hebrewVav

N hebrewYod

N hebrewZayin

N hstroke

N iacute

N ibreve

N icaron

N icircumflex

N ideographichalffillspace

N ideographicspace

N idiaeresis

N idotaccent

N idotbelow

N idoublegrave

N igrave

N ihook

N iinvertedbreve

N ijligature

N imacron

N iogonek

N itilde

N jcaron

N jcircumflex

N kcaron

N kcommaaccent

N khook

N kkra

N lacute

N lbar

N lcaron

N lcommaaccent

N lcurl

N ldotmiddle

N leftguillemot

N ljligature

N lstroke

N medspace

N nacute

N napostrophe

N narrownobreakspace

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
N oacute	N perthousand
N obreve	N phook
N ocaron	N punctuationspace
N ocircumflex	N questiondown
N ocircumflexacute	N quotedbl
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 oinvertedbreve	N romanIX
N omacron	N romanL
N oneeighth	N romanM
N onefifth	N romanV
N onehalf	N romanVI
N onequarter	N romanVII
N onesixth	N romanVIII
N onesuperior	N romanX
N onethird	N romanXI
N oogonek	N romanXII
N oogonekmacron	N romanc

N romand
N romani
N romanii
N romaniii
N romaniv
N romanix
N romanl
N romanm
N romanv
N romanvi
N romanvii
N romanviii
N romanx
N romanxi
N romanxii
N sacute
N scaron
N scedilla
N schwa
N schwahook
N scircumflex
N scommaaccent
N sectionmark
N seveneighths
N sixperemspace
N slong
N softhyphen
N ssharp
N stligature
N tcaron
N tcedilla
N tcommaaccent
N tcurl
N textAngstrom
N textacute
N textampersand
N textasciicircum
N textasciitilde
N textat
N textbackslash
N textbar
N textbottomcomma
N textbottomdot
N textbraceleft

N textbraceright
N textbreve
N textbrokenbar
N textbullet
N textcaron
N textcedilla
N textcelsius
N textcent
N textcircledP
N textcircumflex
N textcomma
N textcurrency
N textdag
N textddag
N textdegree
N textdiaeresis
N textdiv
N textdollar
N textdong
N textdotaccent
N textellipsis
N texteuro
N textfraction
N textgrave
N texthash
N texthorizontalbar
N texthungarumlaut
N textkelvin
N textlognot
N textmacron
N textmho
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

N threeeighths

N threefifths

N threeperemspace

N threequarter

N threesuperior

N trademark

N tstroke

N twofifths

N twosuperior

N twothirds

N uacute

N ubreve

N ucaron

N ucircumflex

N udiaeresis

N udiaeresisacute

N udiaeresiscaron

N udiaeresisgrave

N udiaeresismacron

N udotbelow

N udoublegrave

N ugrave

N uhook

N uhorn

N uhornacute

N uhorndotbelow

N uhorngrave

N uhornhook

N uhorntilde

N uhungarumlaut

N uinvertedbreve

N umacron

N uogonek

N uring

N utilde

N wcircumflex

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 Acaron

N Acircle

N Acircumflex

N Acircumflexacute

N Acircumflexdotbelow

N Acircumflexgrave

N Acircumflexhookabove

N Acircumflextilde

N Acyrillic

N Adblgrave

N Adieresis

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 Ccaron	N Dzcaron
N Ccedilla	N Dzeabkhasiancyrillic
N Ccedillaacute	N Dzecyrillic
N Ccircle	N Dzhecyrillic
N Ccircumflex	N E
N Cdot	N Eacute
N Cdotaccent	N Ebreve
N Chaarmenian	N Ecaron
N Cheabkhasiancyrillic	N Ecedillabreve
N Checyrillic	N Echarmenian
N Chedescenderabkhasiancyrillic	N Ecircle
N Chedescendercyrillic	N Ecircumflex

N Ecircumflexacute	N Eth
N Ecircumflexbelow	N Etilde
N Ecircumflexdotbelow	N Etildebelow
N Ecircumflexgrave	N Euro
N Ecircumflexhookabove	N Ezh
N Ecircumflextilde	N Ezhcaron
N Ecyrillic	N Ezhreversed
N Edblgrave	N F
N Edieresis	N Fcircle
N Edot	N Fdotaccent
N Edotaccent	N Feharmenian
N Edotbelow	N Feicoptic
N Efcyrillic	N Fhook
N Egrave	N Fitacyrillic
N Eharmenian	N Fiveroman
N Ehookabove	N Fmonospace
N Eightroman	N Fourroman
N Einvertedbreve	N G
N Eiotifiedcyrillic	N GBsquare
N Elcyrillic	N Gacute
N Elevenroman	N Gamma
N Emacron	N Gammaafrican
N Emacronacute	N Gangiacoptic
N Emacrongrave	N Gbreve
N Emcyrillic	N Gcaron
N Emonospace	N Gcedilla
N Encyrillic	N Gcircle
N Endescendercyrillic	N Gcircumflex
N Eng	N Gcommaaccent
N Enghecyrillic	N Gdot
N Enhookcyrillic	N Gdotaccent
N Eogonek	N Gecyrillic
N Eopen	N Ghadarmenian
N Epsilon	N Ghemiddlehookcyrillic
N Epsilontonos	N Ghestrokecyrillic
N Ercyrillic	N Gheupturncyrillic
N Ereversed	N Ghook
N Ereversedcyrillic	N Gimarmenian
N Escyrillic	N Gjecyrillic
N Esdescendercyrillic	N Gmacron
N Esh	N Gmonospace
N Eta	N Gsmallhook
N Etarmenian	N Gstroke
N Etatonos	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 Ndotbelow
N Klinebelow	N Nhookleft
N Kmonospace	N Nineroman
N Koppacyrillic	N Nj
N Koppagreek	N Njecyrillic
N Ksicyrillic	N Nlinebelow
N L	N Nmonospace
N LJ	N Nowarmenian
N Lacute	N Ntilde
N Lambda	N Nu
N Lcaron	N O
N Lcedilla	N OE
N Lcircle	N Oacute
N Lcircumflexbelow	N Obarredcyrillic
N Lcommaaccent	N Obarreddieresiscyrillic
N Ldot	N Obreve
N Ldotaccent	N Ocaron
N Ldotbelow	N Ocenteredtilde
N Ldotbelowmacron	N Ocircle
N Liwnarmenian	N Ocircumflex
N Lj	N Ocircumflexacute
N Ljecyrillic	N Ocircumflexdotbelow
N Llinebelow	N Ocircumflexgrave
N Lmonospace	N Ocircumflexhookabove
N Lslash	N Ocircumflextilde
N M	N Ocyrillic
N MBsquare	N Odblacute
N Macute	N Odblgrave
N Mcircle	N Odieresis
N Mdotaccent	N Odieresiscyrillic
N Mdotbelow	N Odotbelow
N Menarmenian	N Ograve
N Mmonospace	N Oharmenian
N Mturned	N Ohm
N Mu	N Ohookabove
N N	N Ohorn
N NJ	N Ohornacute
N Nacute	N Ohorndotbelow
N Ncaron	N Ohorngrave
N Ncedilla	N Ohornhookabove
N Ncircle	N Ohorntilde
N Ncircumflexbelow	N Ohungarumlaut
N Ncommaaccent	N Oi
N Ndotaccent	N Oinvertedbreve

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
N Pi	N SF220000
N Piwrarmenian	N SF230000
N Pmonospace	N SF240000
N Psi	N SF250000
N Psicyrillic	N SF260000
N Q	N SF270000
N Qcircle	N SF280000
N Qmonospace	N SF30000
N R	N SF360000
N Raarmenian	N SF370000
N Racute	N SF380000
N Rcaron	N SF390000

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 Scommaaccent	N Tshecyrillic
N Sdotaccent	N Twelveroman
N Sdotbelow	N Tworoman
N Sdotbelowdotaccent	N U
N Seharmenian	N Uacute
N Sevenroman	N Ubreve
N Shaarmenian	N Ucaron
N Shacyrillic	N Ucircle
N Shchacyrillic	N Ucircumflex
N Sheicoptic	N Ucircumflexbelow
N Shhacyrillic	N Ucyrillic
N Shimacoptic	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 Yhook

N Yhookabove

N Yiarmenian

N Yicyrillic

N Yiwnarmenian

N Ymonospace

N Ytilde

N Yusbigcyrillic

N Yusbigiotifiedcyrillic

N Yuslittlecyrillic

N Yuslittleiotifiedcyrillic

N Z
N Zaarmenian
N Zacute
N Zcaron
N Zcircle
N Zcircumflex
N Zdot
N Zdotaccent
N Zdotbelow
N Zecyrillic
N Zedescendercyrillic
N Zedieresiscyrillic
N Zeta
N Zhearmenian
N Zhebrevecyrillic
N Zhecyrillic
N Zhedescendercyrillic
N Zhedieresiscyrillic
N Zlinebelow
N Zmonospace
N Zstroke
N a
N aabengali
N aacute
N aadeva
N aagujarati
N aagurmukhi
N aamatragurmukhi
N aarusquare
N aavowelsignbengali
N aavowelsigndeva
N aavowelsigngujarati
N abbreviationmarkarmenian
N abbreviationsigndeva
N abengali
N abopomofo
N abreve
N abreveacute
N abrevecyrillic
N abrevedotbelow
N abrevegrave
N abrevehookabove
N abrevetilde
N acaron

N acircle
N acircumflex
N acircumflexacute
N acircumflexdotbelow
N acircumflexgrave
N acircumflexhookabove
N acircumflextilde
N acute
N acutebelowcmb
N acutecmb
N acutecomb
N acutedeva
N acutelowmod
N acutetonecmb
N acyrillic
N adblgrave
N addakgurmukhi
N adeva
N adieresis
N adieresiscyrillic
N adieresismacron
N adotbelow
N adotmacron
N ae
N aeacute
N aekorean
N aemacron
N afii00208
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N afii10075	N afii10846
N afii10076	N afii208
N afii10077	N afii299

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N afii57440	N afii57675
N afii57441	N afii57676

N afii57677	N afii61574
N afii57678	N afii61575
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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 afii57803	N alefhamzaaboveAFarabic
N afii57804	N alefhamzaabovefinalarabic
N afii57806	N alefhamzabelowarabic
N afii57807	N alefhamzabelowfinalarabic
N afii57839	N alefhebrew
N afii57841	N aleflamedhebrew
N afii57842	N alefmaddaabovearabic
N afii57929	N alefmaddaabovefinalarabic
N afii61248	N alefmaksuraarabic
N afii61289	N alefmaksurafinalarabic
N afii61352	N alefmaksurainitialarabic
N afii61573	N alefmaksuramedialarabic

N alefpatahhebrew	N arrowboth
N alefqamatshebrew	N arrowdashdown
N aleph	N arrowdashleft
N allequal	N arrowdashright
N alpha	N arrowdashup
N alphatonos	N arrowdblboth
N amacron	N arrowdbldown
N amonospace	N arrowdblleft
N ampersand	N arrowdblright
N ampersandmonospace	N arrowdblup
N amsquare	N arrowdown
N anbopomofo	N arrowdownleft
N angbopomofo	N arrowdownright
N angkhankhuthai	N arrowdownwhite
N angle	N arrowheaddownmod
N anglebracketleft	N arrowheadleftmod
N anglebracketleftvertical	N arrowheadrightmod
N anglebracketright	N arrowheadupmod
N anglebracketrightvertical	N arrowleft
N angleleft	N arrowleftdbl
N angleright	N arrowleftdblstroke
N angstrom	N arrowleftoverright
N anoteleia	N arrowleftwhite
N anudattadeva	N arrowright
N anusvarabengali	N arrowrightdblstroke
N anusvaradeva	N arrowrightheavy
N anusvaragujarati	N arrowrightoverleft
N aogonek	N arrowrightwhite
N apaatosquare	N arrowtableft
N aparen	N arrowtabright
N apostrophearmenian	N arrowup
N apostrophemod	N arrowupdn
N apple	N arrowupdnbse
N approaches	N arrowupdownbase
N approxequal	N arrowupleft
N approxequalorimage	N arrowupleftofdown
N approximatelyequal	N arrowupright
N araeaekorean	N arrowupwhite
N araeakorean	N asciicircum
N arc	N asciicircummonospace
N arighthalfring	N asciitilde
N aring	N asciitildemonospace
N aringacute	N ascript
N aringbelow	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 blackcircle

N blackdiamond

N blackdownpointingtriangle

N blackleftpointingpointer

N blackleftpointingtriangle

N blacklenticularbracketleft

N blacklenticularbracketleftvertical

N blacklenticularbracketright

N blacklenticularbracketrightvertical

N blacklowerlefttriangle

N blacklowerrighttriangle

N blackrectangle

N blackrightpointingpointer

N blackrightpointingtriangle

N blacksmallsquare

N blacksmilingface

N blacksquare

N blackstar

N blackupperlefttriangle

N blackupperrighttriangle

N blackuppointingsmalltriangle

N blackuppointingtriangle

N blank

N blinebelow

N block

N bmonospace

N bobaimaithai

N bohiragana

N bokatakana

N bparen

N bqsquare

N braceleft

N braceleftmonospace

N braceleftsmall

N braceleftvertical

N braceright

N bracerightmonospace

N bracerightsmall

N bracerightvertical

N bracketleft

N bracketleftmonospace

N bracketright

N bracketrightmonospace

N breve

N brevebelowcmb

N brevecmb

N breveinvertedbelowcmb

N breveinvertedcmb

N breveinverteddoublecmb

N bridgebelowcmb

N bridgeinvertedbelowcmb

N brokenbar

N bstroke

N btopbar

N buhiragana

N bukatakana

N bullet

N bulletinverse

N bulletoperator

N bullseye

N c

N caarmenian

N cabengali

N cacute

N cadeva

N cagujarati

N cagurmukhi

N calsquare

N candrabindubengali

N candrabinducmb

N candrabindudeva

N candrabindugujarati

N capslock

N careof

N caron

N caronbelowcmb

N caroncmb

N carriagereturn

N cbopomofo

N ccaron

N ccedilla

N ccedillaacute

N ccircle

N ccircumflex

N ccurl

N cdot

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 cmcubedsquare
N checkmark	N cmonospace
N checyrillic	N cmsquaredsquare
N chedescenderabkhasiancyrillic	N coarmenian
N chedescendercyrillic	N colon
N chedieresiscyrillic	N colonmonetary
N cheharmenian	N colonmonospace
N chekhakassiancyrillic	N colonsign
N cheverticalstrokecyrillic	N colonsmall
N chi	N colontriangularhalfmod
N chieuchacirclekorean	N colontriangularmod
N chieuchaparenkorean	N comma
N chieuchcirclekorean	N commaabovecmb
N chieuchkorean	N commaaboverightcmb
N chieuchparenkorean	N commaarabic
N chochangthai	N commaarmenian
N chochanthai	N commamonospace
N chochingthai	N commareversedabovecmb
N chochoethai	N commareversedmod
N chook	N commasmall
N cieucacirclekorean	N commaturnedabovecmb
N cieucaparenkorean	N commaturnedmod
N cieuccirclekorean	N compass
N cieuckorean	N congruent
N cieucparenkorean	N contourintegral
N cieucuparenkorean	N control
N circle	N controlACK
N circlemultiply	N controlBEL
N circleot	N controlBS
N circleplus	N controlCAN
N circlepostalmark	N controlCR
N circlewithlefthalfblack	N controlDC1
N circlewithrighthalfblack	N controlDC2
N circumflex	N controlDC3
N circumflexbelowcmb	N controlDC4
N circumflexcmb	N controlDEL
N clear	N controlDLE
N clickalveolar	N controlEM
N clickdental	N controlENQ
N clicklateral	N controlEOT
N clickretroflex	N controlESC
N club	N controlETB
N clubsuitblack	N controlETX
N clubsuitwhite	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 dhagujarati
N dblintegral	N dhagurmukhi
N dbllowline	N dhook
N dbllowlinecmb	N dialytikatonos
N dbloverlinecmb	N dialytikatonoscmb
N dblprimemod	N diamond
N dblverticalbar	N diamondsuitwhite
N dblverticallineabovecmb	N dieresis
N dbopomofo	N dieresisbelowcmb
N dbsquare	N dieresiscmb
N dcaron	N dieresistonos
N dcedilla	N dihiragana
N dcircle	N dikatakana
N dcircumflexbelow	N dittomark
N dcroat	N divide
N ddabengali	N divides
N ddadeva	N divisionslash
N ddagujarati	N djecyrillic
N ddagurmukhi	N dkshade
N ddalarabic	N dlinebelow
N ddalfinalarabic	N dlsquare
N dddhadeva	N dmacron
N ddhabengali	N dmonospace
N ddhadeva	N dnblock
N ddhagujarati	N dochadathai
N ddhagurmukhi	N dodekthai
N ddotaccent	N dohiragana
N ddotbelow	N dokatakana
N decimalseparatorarabic	N dollar
N decimalseparatorpersian	N dollarmonospace
N decyrillic	N dollarsmall
N degree	N dong
N dehihebrew	N dorusquare
N dehiragana	N dotaccent
N deicoptic	N dotaccentcmb
N dekatakana	N dotbelowcmb
N deleteleft	N dotbelowcomb
N deleteright	N dotkatakana
N delta	N dotlessi
N deltaturned	N dotlessj
N denominatorminusonenumeratorbengali	N dotlessjstrokehook
N dezh	N dotmath
N dhabengali	N dottedcircle
N dhadeva	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 fiveeighths
N fdotaccent	N fivegujarati
N feharabic	N fivegurmukhi
N feharmenian	N fivehackarabic
N fehfinalarabic	N fivehangzhou
N fehinitialarabic	N fiveideographicparen
N fehmedialarabic	N fiveinferior
N feicoptic	N fivemonospace
N female	N fiveparen
N ff	N fiveperiod
N ffi	N fivepersian
N ffl	N fiveroman
N fi	N fivesuperior
N fifteencircle	N fivethai
N fifteenparen	N fl
N fifteenperiod	N florin
N figuredash	N fmonospace
N filledbox	N fmsquare
N filledrect	N fofanthai
N finalkaf	N fofathai
N finalkafdagesh	N fongmanthai
N finalkafdageshhebrew	N forall
N finalkafhebrew	N four
N finalkafqamats	N fourarabic
N finalkafqamatshebrew	N fourbengali
N finalkafsheva	N fourcircle
N finalkafshevahebrew	N fourcircleinversesansserif
N finalmem	N fourdeva
N finalmemhebrew	N fourgujarati
N finalnun	N fourgurmukhi
N finalnunhebrew	N fourhackarabic
N finalpe	N fourhangzhou
N finalpehebrew	N fourideographicparen
N finaltsadi	N fourinferior
N finaltsadihebrew	N fourmonospace
N firsttonechinese	N fournumeratorbengali
N fisheye	N fourparen
N fitacyrillic	N fourperiod
N five	N fourpersian
N fivearabic	N fourroman
N fivebengali	N foursuperior
N fivecircle	N fourteencircle
N fivecircleinversesansserif	N fourteenparen
N fivedeva	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 hohiragana
N hehaltonearabic	N hokatakana
N heharabic	N hokatakanahalfwidth
N hehebrew	N holam
N hehfinalaltonearabic	N holam19
N hehfinalalttwoarabic	N holam26
N hehfinalarabic	N holam32
N hehhamzaabovefinalarabic	N holamhebrew
N hehhamzaaboveisolatedarabic	N holamnarrowhebrew
N hehinitialaltonearabic	N holamquarterhebrew
N hehinitialarabic	N holamwidehebrew
N hehiragana	N honokhukthai
N hehmedialaltonearabic	N hookabovecomb
N hehmedialarabic	N hookcmb
N heiseierasquare	N hookpalatalizedbelowcmb
N hekatakana	N hookretroflexbelowcmb
N hekatakanahalfwidth	N hoonsquare
N hekutaarusquare	N horicoptic
N henghook	N horizontalbar
N herutusquare	N horncmb
N het	N hotsprings
N hethebrew	N house
N hhook	N hparen
N hhooksuperior	N hsuperior
N hieuhacirclekorean	N hturned
N hieuhaparenkorean	N huhiragana
N hieuhcirclekorean	N huiitosquare
N hieuhkorean	N hukatakana
N hieuhparenkorean	N hukatakanahalfwidth
N hihiragana	N hungarumlaut
N hikatakana	N hungarumlautcmb
N hikatakanahalfwidth	N hv
N hiriq	N hyphen
N hiriq14	N hyphenmonospace
N hiriq21	N hyphensmall
N hiriq2d	N hyphentwo
N hiriqhebrew	N i
N hiriqnarrowhebrew	N iacute
N hiriqquarterhebrew	N iacyrillic
N hiriqwidehebrew	N ibengali
N hlinebelow	N ibopomofo
N hmonospace	N ibreve
N hoarmenian	N icaron
N hohipthai	N icircle

N icircumflex	N ideographicsunparen
N icyrillic	N ideographicsuperviseparen
N idblgrave	N ideographicwaterparen
N ideographearthcircle	N ideographicwoodparen
N ideographfirecircle	N ideographiczero
N ideographicallianceparen	N ideographmetalcircle
N ideographiccallparen	N ideographmooncircle
N ideographiccentrecircle	N ideographnamecircle
N ideographicclose	N ideographsuncircle
N ideographiccomma	N ideographwatercircle
N ideographiccommaleft	N ideographwoodcircle
N ideographiccongratulationparen	N ideva
N ideographiccorrectcircle	N idieresis
N ideographicearthparen	N idieresisacute
N ideographicenterpriseparen	N idieresiscyrillic
N ideographicexcellentcircle	N idotbelow
N ideographicfestivalparen	N iebrevecyrillic
N ideographicfinancialcircle	N iecyrillic
N ideographicfinancialparen	N ieungacirclekorean
N ideographicfireparen	N ieungaparenkorean
N ideographichaveparen	N ieungcirclekorean
N ideographichighcircle	N ieungkorean
N ideographiciterationmark	N ieungparenkorean
N ideographiclaborcircle	N igrave
N ideographiclaborparen	N igujarati
N ideographicleftcircle	N igurmukhi
N ideographiclowcircle	N ihiragana
N ideographicmedicinecircle	N ihookabove
N ideographicmetalparen	N iibengali
N ideographicmoonparen	N iicyrillic
N ideographicnameparen	N iideva
N ideographicperiod	N iigujarati
N ideographicprintcircle	N iigurmukhi
N ideographicreachparen	N iimatragurmukhi
N ideographicrepresentparen	N iinvertedbreve
N ideographicresourceparen	N iishortcyrillic
N ideographicrightcircle	N iivowelsignbengali
N ideographicsecretcircle	N iivowelsigndeva
N ideographicselfparen	N iivowelsigngujarati
N ideographicsocietyparen	N ij
N ideographicspace	N ikatakana
N ideographicspecialparen	N ikatakanahalfwidth
N ideographicstockparen	N ikorean
N ideographicstudyparen	N ilde

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 istroke	N kacyrillic
N iterationhiragana	N kadescendercyrillic
N iterationkatakana	N kadeva
N itilde	N kaf
N itildebelow	N kafarabic
N iubopomofo	N kafdagesh
N iucyrillic	N kafdageshhebrew
N ivowelsignbengali	N kaffinalarabic
N ivowelsigndeva	N kafhebrew
N ivowelsigngujarati	N kafinitialarabic
N izhitsacyrillic	N kafmedialarabic
N izhitsadblgravecyrillic	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 nmsquare
N nieunacirclekorean	N nnabengali
N nieunaparenkorean	N nnadeva
N nieuncieuckorean	N nnagujarati
N nieuncirclekorean	N nnagurmukhi
N nieunhieuhkorean	N nnnadeva
N nieunkorean	N nohiragana
N nieunpansioskorean	N nokatakana
N nieunparenkorean	N nokatakanahalfwidth
N nieunsioskorean	N nonbreakingspace
N nieuntikeutkorean	N nonenthai
N nihiragana	N nonuthai
N nikatakana	N noonarabic
N nikatakanahalfwidth	N noonfinalarabic
N nikhahitthai	N noonghunnaarabic
N nine	N noonghunnafinalarabic
N ninearabic	N noonhehinitialarabic
N ninebengali	N nooninitialarabic
N ninecircle	N noonjeeminitialarabic
N ninecircleinversesansserif	N noonjeemisolatedarabic
N ninedeva	N noonmedialarabic
N ninegujarati	N noonmeeminitialarabic
N ninegurmukhi	N noonmeemisolatedarabic
N ninehackarabic	N noonnoonfinalarabic
N ninehangzhou	N notcontains
N nineideographicparen	N notelement
N nineinferior	N notelementof
N ninemonospace	N notequal
N nineparen	N notgreater
N nineperiod	N notgreaternorequal
N ninepersian	N notgreaternorless
N nineroman	N notidentical
N ninesuperior	N notless
N nineteencircle	N notlessnorequal
N nineteenparen	N notparallel
N nineteenperiod	N notprecedes
N ninethai	N notsubset
N nj	N notsucceeds
N njecyrillic	N notsuperset
N nkatakana	N nowarmenian
N nkatakanahalfwidth	N nparen
N nlegrightlong	N nssquare
N nlinebelow	N nsuperior
N nmonospace	N ntilde

N nu
N nuhiragana
N nukatakana
N nukatakanahalfwidth
N nuktabengali
N nuktadeva
N nuktagujarati
N nuktagurmukhi
N numbersign
N numbersignmonospace
N numbersignsmall
N numeralsigngreek
N numeralsignlowergreek
N numero
N nun
N nundagesh
N nundageshhebrew
N nunhebrew
N nvsquare
N nwsquare
N nyabengali
N nyadeva
N nyagujarati
N nyagurmukhi
N o
N oacute
N oangthai
N obarred
N obarredcyrillic
N obarreddieresiscyrillic
N obengali
N obopomofo
N obreve
N ocandradeva
N ocandragujarati
N ocandravowelsigndeva
N ocandravowelsigngujarati
N ocaron
N ocircle
N ocircumflex
N ocircumflexacute
N ocircumflexdotbelow
N ocircumflexgrave
N ocircumflexhookabove

N ocircumflextilde
N ocyrillic
N odblacute
N odblgrave
N odeva
N odieresis
N odieresiscyrillic
N odotbelow
N oe
N oekorean
N ogonek
N ogonekcmb
N ograve
N ogujarati
N oharmenian
N ohiragana
N ohookabove
N ohorn
N ohornacute
N ohorndotbelow
N ohorngrave
N ohornhookabove
N ohorntilde
N ohungarumlaut
N oi
N oinvertedbreve
N okatakana
N okatakanahalfwidth
N okorean
N olehebrew
N omacron
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 qafmedialarabic
N plusminus	N qamats
N plusmod	N qamats10
N plusmonospace	N qamats1a
N plussmall	N qamats1c
N plussuperior	N qamats27
N pmonospace	N qamats29
N pmsquare	N qamats33
N pohiragana	N qamatsde
N pointingindexdownwhite	N qamatshebrew
N pointingindexleftwhite	N qamatsnarrowhebrew
N pointingindexrightwhite	N qamatsqatanhebrew
N pointingindexupwhite	N qamatsqatannarrowhebrew
N pokatakana	N qamatsqatanquarterhebrew
N poplathai	N qamatsqatanwidehebrew
N postalmark	N qamatsquarterhebrew
N postalmarkface	N qamatswidehebrew
N pparen	N qarneyparahebrew
N precedes	N qbopomofo
N prescription	N qcircle
N primemod	N qhook
N primereversed	N qmonospace
N product	N qof
N projective	N qofdagesh
N prolongedkana	N qofdageshhebrew
N propellor	N qofhatafpatah
N propersubset	N qofhatafpatahhebrew
N propersuperset	N qofhatafsegol
N proportion	N qofhatafsegolhebrew
N proportional	N qofhebrew
N psi	N qofhiriq
N psicyrillic	N qofhiriqhebrew
N psilipneumatacyrilliccmb	N qofholam
N pssquare	N qofholamhebrew
N puhiragana	N qofpatah
N pukatakana	N qofpatahhebrew
N pvsquare	N qofqamats
N pwsquare	N qofqamatshebrew
N q	N qofqubuts
N qadeva	N qofqubutshebrew
N qadmahebrew	N qofsegol
N qafarabic	N qofsegolhebrew
N qaffinalarabic	N qofsheva
N qafinitialarabic	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 rikatakanahalfwidth
N reshqubutshebrew   N ring
N reshsegol   N ringbelowcmb
N reshsegolhebrew   N ringcmb
N reshsheva   N ringhalfleft
N reshshevahebrew   N ringhalfleftarmenian
N reshtsere   N ringhalfleftbelowcmb
N reshtserehebrew   N ringhalfleftcentered
N reversedtilde   N ringhalfright
N reviahebrew   N ringhalfrightbelowcmb
N reviamugrashhebrew   N ringhalfrightcentered
N revlogicalnot   N rinvertedbreve
N rfishhook   N rittorusquare
N rfishhookreversed   N rlinebelow
N rhabengali   N rlongleg
N rhadeva   N rlonglegturned
N rho   N rmonospace
N rhook   N rohiragana
N rhookturned   N rokatakana
N rhookturnedsuperior   N rokatakanahalfwidth
N rhosymbolgreek   N roruathai
N rhotichookmod   N rparen
N rieulacirclekorean   N rrabengali
N rieulaparenkorean   N rradeva
N rieulcirclekorean   N rragurmukhi
N rieulhieuhkorean   N rreharabic
N rieulkiyeokkorean   N rrehfinalarabic
N rieulkiyeoksioskorean   N rrvocalicbengali
N rieulkorean   N rrvocalicdeva
N rieulmieumkorean   N rrvocalicgujarati
N rieulpansioskorean   N rrvocalicvowelsignbengali
N rieulparenkorean   N rrvocalicvowelsigndeva
N rieulphieuphkorean   N rrvocalicvowelsigngujarati
N rieulpieupkorean   N rtblock
N rieulpieupsioskorean   N rturned
N rieulsioskorean   N rturnedsuperior
N rieulthieuthkorean   N ruhiragana
N rieultikeutkorean   N rukatakana
N rieulyeorinhieuhkorean   N rukatakanahalfwidth
N rightangle   N rupeemarkbengali
N righttackbelowcmb   N rupeesignbengali
N righttriangle   N ruthai
N rihiragana   N rvocalicbengali
N rikatakana   N rvocalicdeva

N rvocalicgujarati

N rvocalicvowelsignbengali

N rvocalicvowelsigndeva

N rvocalicvowelsigngujarati

N s

N sabengali

N sacute

N sacutedotaccent

N sadarabic

N sadeva

N sadfinalarabic

N sadinitialarabic

N sadmedialarabic

N sagujarati

N sagurmukhi

N sahiragana

N sakatakana

N sakatakanahalfwidth

N sallallahoualayhewasallamarabic

N samekh

N samekhdagesh

N samekhdageshhebrew

N samekhhebrew

N saraaathai

N saraaethai

N saraaimaimalaithai

N saraaimaimuanthai

N saraamthai

N saraathai

N saraethai

N saraiithai

N saraithai

N saraothai

N saraueethai

N sarauethai

N sarauthai

N sarauuthai

N sbopomofo

N scaron

N scarondotaccent

N scedilla

N schwa

N schwacyrillic

N schwadieresiscyrillic

N schwahook

N scircle

N scircumflex

N scommaaccent

N sdotaccent

N sdotbelow

N sdotbelowdotaccent

N seagullbelowcmb

N second

N secondtonechinese

N section

N seenarabic

N seenfinalarabic

N seeninitialarabic

N seenmedialarabic

N segol

N segol13

N segol1f

N segol2c

N segolhebrew

N segolnarrowhebrew

N segolquarterhebrew

N segoltahebrew

N segolwidehebrew

N seharmenian

N sehiragana

N sekatakana

N sekatakanahalfwidth

N semicolon

N semicolonarabic

N semicolonmonospace

N semicolonsmall

N semivoicedmarkkana

N semivoicedmarkkanahalfwidth

N sentisquare

N sentosquare

N seven

N sevenarabic

N sevenbengali

N sevencircle

N sevencircleinversesansserif

N sevendeva

N seveneighths

N sevengujarati

N sevengurmukhi

N sevenhackarabic

N sevenhangzhou

N sevenideographicparen

N seveninferior

N sevenmonospace

N sevenparen

N sevenperiod

N sevenpersian

N sevenroman

N sevensuperior

N seventeencircle

N seventeenparen

N seventeenperiod

N seventhai

N sfthyphen

N shaarmenian

N shabengali

N shacyrillic

N shaddaarabic

N shaddadammaarabic

N shaddadammatanarabic

N shaddafathaarabic

N shaddafathatanarabic

N shaddakasraarabic

N shaddakasratanarabic

N shade

N shadedark

N shadelight

N shademedium

N shadeva

N shagujarati

N shagurmukhi

N shalshelethebrew

N shbopomofo

N shchacyrillic

N sheenarabic

N sheenfinalarabic

N sheeninitialarabic

N sheenmedialarabic

N sheicoptic

N sheqel

N sheqelhebrew

N sheva

N sheva115

N sheva15

N sheva22

N sheva2e

N shevahebrew

N shevanarrowhebrew

N shevaquarterhebrew

N shevawidehebrew

N shhacyrillic

N shimacoptic

N shin

N shindagesh

N shindageshhebrew

N shindageshshindot

N shindageshshindothebrew

N shindageshsindot

N shindageshsindothebrew

N shindothebrew

N shinhebrew

N shinshindot

N shinshindothebrew

N shinsindot

N shinsindothebrew

N shook

N sigma

N sigma1

N sigmafinal

N sigmalunatesymbolgreek

N sihiragana

N sikatakana

N sikatakanahalfwidth

N siluqhebrew

N siluqlefthebrew

N similar

N sindothebrew

N siosacirclekorean

N siosaparenkorean

N sioscieuckorean

N sioscirclekorean

N sioskiyeokkorean

N sioskorean

N siosnieunkorean

N siosparenkorean

N siospieupkorean

N siostikeutkorean	N spade
N six	N spadesuitblack
N sixarabic	N spadesuitwhite
N sixbengali	N sparen
N sixcircle	N squarebelowcmb
N sixcircleinversesansserif	N squarecc
N sixdeva	N squarecm
N sixgujarati	N squarediagonalcrosshatchfill
N sixgurmukhi	N squarehorizontalfill
N sixhackarabic	N squarekg
N sixhangzhou	N squarekm
N sixideographicparen	N squarekmcapital
N sixinferior	N squareln
N sixmonospace	N squarelog
N sixparen	N squaremg
N sixperiod	N squaremil
N sixpersian	N squaremm
N sixroman	N squaremsquared
N sixsuperior	N squareorthogonalcrosshatchfill
N sixteencircle	N squareupperlefttolowerrightfill
N sixteencurrencydenominatorbengali	N squareupperrighttolowerleftfill
N sixteenparen	N squareverticalfill
N sixteenperiod	N squarewhitewithsmallblack
N sixthai	N srsquare
N slash	N ssabengali
N slashmonospace	N ssadeva
N slong	N ssagujarati
N slongdotaccent	N ssangcieuckorean
N smileface	N ssanghieuhkorean
N smonospace	N ssangieungkorean
N sofpasuqhebrew	N ssangkiyeokkorean
N softhyphen	N ssangnieunkorean
N softsigncyrillic	N ssangpieupkorean
N sohiragana	N ssangsioskorean
N sokatakana	N ssangtikeutkorean
N sokatakanahalfwidth	N sterling
N soliduslongoverlaycmb	N sterlingmonospace
N solidusshortoverlaycmb	N strokelongoverlaycmb
N sorusithai	N strokeshortoverlaycmb
N sosalathai	N subset
N sosothai	N subsetnotequal
N sosuathai	N subsetorequal
N space	N succeeds
N spacehackarabic	N suchthat

N suhiragana
N sukatakana
N sukatakanahalfwidth
N sukunarabic
N summation
N sun
N superset
N supersetnotequal
N supersetorequal
N svsquare
N syouwaerasquare
N t
N tabengali
N tackdown
N tackleft
N tadeva
N tagujarati
N tagurmukhi
N taharabic
N tahfinalarabic
N tahinitialarabic
N tahiragana
N tahmedialarabic
N taisyouerasquare
N takatakana
N takatakanahalfwidth
N tatweelarabic
N tau
N tav
N tavdages
N tavdagesh
N tavdageshhebrew
N tavhebrew
N tbar
N tbopomofo
N tcaron
N tccurl
N tcedilla
N tcheharabic
N tchehfinalarabic
N tchehinitialarabic
N tchehmedialarabic
N tchehmeeminitialarabic
N tcircle

N tcircumflexbelow
N tcommaaccent
N tdieresis
N tdotaccent
N tdotbelow
N tecyrillic
N tedescendercyrillic
N teharabic
N tehfinalarabic
N tehhahinitialarabic
N tehhahisolatedarabic
N tehinitialarabic
N tehiragana
N tehjeeminitialarabic
N tehjeemisolatedarabic
N tehmarbutaarabic
N tehmarbutafinalarabic
N tehmedialarabic
N tehmeeminitialarabic
N tehmeemisolatedarabic
N tehnoonfinalarabic
N tekatakana
N tekatakanahalfwidth
N telephone
N telephoneblack
N telishagedolahebrew
N telishaqetanahebrew
N tencircle
N tenideographicparen
N tenparen
N tenperiod
N tenroman
N tesh
N tet
N tetdagesh
N tetdageshhebrew
N tethebrew
N tetsecyrillic
N tevirhebrew
N tevirlefthebrew
N thabengali
N thadeva
N thagujarati
N thagurmukhi

N thalarabic
N thalfinalarabic
N thanthakhatthai
N theharabic
N thehfinalarabic
N thehinitialarabic
N thehmedialarabic
N thereexists
N therefore
N theta
N theta1
N thetasymbolgreek
N thieuthacirclekorean
N thieuthaparenkorean
N thieuthcirclekorean
N thieuthkorean
N thieuthparenkorean
N thirteencircle
N thirteenparen
N thirteenperiod
N thonangmonthothai
N thook
N thophuthaothai
N thorn
N thothahanthai
N thothanthai
N thothongthai
N thothungthai
N thousandcyrillic
N thousandsseparatorarabic
N thousandsseparatorpersian
N three
N threearabic
N threebengali
N threecircle
N threecircleinversesansserif
N threedeva
N threeeighths
N threegujarati
N threegurmukhi
N threehackarabic
N threehangzhou
N threeideographicparen
N threeinferior

N threemonospace
N threenumeratorbengali
N threeparen
N threeperiod
N threepersian
N threequarters
N threeroman
N threesuperior
N threethai
N thzsquare
N tihiragana
N tikatakana
N tikatakanahalfwidth
N tikeutacirclekorean
N tikeutaparenkorean
N tikeutcirclekorean
N tikeutkorean
N tikeutparenkorean
N tilde
N tildebelowcmb
N tildecmb
N tildecomb
N tildedoublecmb
N tildeoperator
N tildeoverlaycmb
N tildeverticalcmb
N timescircle
N tipehahebrew
N tipehalefthebrew
N tippigurmukhi
N titlocyrilliccmb
N tiwnarmenian
N tlinebelow
N tmonospace
N toarmenian
N tohiragana
N tokatakana
N tokatakanahalfwidth
N tonebarextrahighmod
N tonebarextralowmod
N tonebarhighmod
N tonebarlowmod
N tonebarmidmod
N tonefive

N tonesix

N tonetwo

N tonos

N tonsquare

N topatakthai

N tortoiseshellbracketleft

N tortoiseshellbracketleftsmall

N tortoiseshellbracketleftvertical

N tortoiseshellbracketright

N tortoiseshellbracketrightsmall

N tortoiseshellbracketrightvertical

N totaothai

N tpalatalhook

N tparen

N trademark

N tretroflexhook

N triagdn

N triaglf

N triagrt

N triagup

N ts

N tsadi

N tsadidagesh

N tsadidageshhebrew

N tsadihebrew

N tsecyrillic

N tsere

N tsere12

N tsere1e

N tsere2b

N tserehebrew

N tserenarrowhebrew

N tserequarterhebrew

N tserewidehebrew

N tshecyrillic

N ttabengali

N ttadeva

N ttagujarati

N ttagurmukhi

N tteharabic

N ttehfinalarabic

N ttehinitialarabic

N ttehmedialarabic

N tthabengali

N tthadeva

N tthagujarati

N tthagurmukhi

N tturned

N tuhiragana

N tukatakana

N tukatakanahalfwidth

N tusmallhiragana

N tusmallkatakana

N tusmallkatakanahalfwidth

N twelvecircle

N twelveparen

N twelveperiod

N twelveroman

N twentycircle

N twentyparen

N twentyperiod

N two

N twoarabic

N twobengali

N twocircle

N twocircleinversesansserif

N twodeva

N twodotenleader

N twodotleader

N twodotleadervertical

N twogujarati

N twogurmukhi

N twohackarabic

N twohangzhou

N twoideographicparen

N twoinferior

N twomonospace

N twonumeratorbengali

N twoparen

N twoperiod

N twopersian

N tworoman

N twostroke

N twosuperior

N twothai

N twothirds

N u

N uacute

N ubar
N ubengali
N ubopomofo
N ubreve
N ucaron
N ucircle
N ucircumflex
N ucircumflexbelow
N ucyrillic
N udattadeva
N udblacute
N udblgrave
N udeva
N udieresis
N udieresisacute
N udieresisbelow
N udieresiscaron
N udieresiscyrillic
N udieresisgrave
N udieresismacron
N udotbelow
N ugrave
N ugujarati
N ugurmukhi
N uhiragana
N uhookabove
N uhorn
N uhornacute
N uhorndotbelow
N uhorngrave
N uhornhookabove
N uhorntilde
N uhungarumlaut
N uhungarumlautcyrillic
N uinvertedbreve
N ukatakana
N ukatakanahalfwidth
N ukcyrillic
N ukorean
N umacron
N umacroncyrillic
N umacrondieresis
N umatragurmukhi
N umonospace

N underscore
N underscoredbl
N underscoremonospace
N underscorevertical
N underscorewavy
N union
N universal
N uogonek
N uparen
N upblock
N upperdothebrew
N upsilon
N upsilondieresis
N upsilondieresistonos
N upsilonlatin
N upsilontonos
N uptackbelowcmb
N uptackmod
N uragurmukhi
N uring
N ushortcyrillic
N usmallhiragana
N usmallkatakana
N usmallkatakanahalfwidth
N ustraightcyrillic
N ustraightstrokecyrillic
N utilde
N utildeacute
N utildebelow
N uubengali
N uudeva
N uugujarati
N uugurmukhi
N uumatragurmukhi
N uuvowelsignbengali
N uuvowelsigndeva
N uuvowelsigngujarati
N uvowelsignbengali
N uvowelsigndeva
N uvowelsigngujarati
N v
N vadeva
N vagujarati
N vagurmukhi

N vakatakana	N vukatakana
N vav	N w
N vavdagesh	N wacute
N vavdagesh65	N waekorean
N vavdageshhebrew	N wahiragana
N vavhebrew	N wakatakana
N vavholam	N wakatakanahalfwidth
N vavholamhebrew	N wakorean
N vavvavhebrew	N wasmallhiragana
N vavyodhebrew	N wasmallkatakana
N vcircle	N wattosquare
N vdotbelow	N wavedash
N vecyrillic	N wavyunderscorevertical
N veharabic	N wawarabic
N vehfinalarabic	N wawfinalarabic
N vehinitialarabic	N wawhamzaabovearabic
N vehmedialarabic	N wawhamzaabovefinalarabic
N vekatakana	N wbsquare
N venus	N wcircle
N verticalbar	N wcircumflex
N verticallineabovecmb	N wdieresis
N verticallinebelowcmb	N wdotaccent
N verticallinelowmod	N wdotbelow
N verticallinemod	N wehiragana
N vewarmenian	N weierstrass
N vhook	N wekatakana
N vikatakana	N wekorean
N viramabengali	N weokorean
N viramadeva	N wgrave
N viramagujarati	N whitebullet
N visargabengali	N whitecircle
N visargadeva	N whitecircleinverse
N visargagujarati	N whitecornerbracketleft
N vmonospace	N whitecornerbracketleftvertical
N voarmenian	N whitecornerbracketright
N voicediterationhiragana	N whitecornerbracketrightvertical
N voicediterationkatakana	N whitediamond
N voicedmarkkana	N whitediamondcontainingblacksmalldiamond
N voicedmarkkanahalfwidth	N whitedownpointingsmalltriangle
N vokatakana	N whitedownpointingtriangle
N vparen	N whiteleftpointingsmalltriangle
N vtilde	N whiteleftpointingtriangle
N vturned	N whitelenticularbracketleft
N vuhiragana	N whitelenticularbracketright

N whiterightpointingsmalltriangle
N whiterightpointingtriangle
N whitesmallsquare
N whitesmilingface
N whitesquare
N whitestar
N whitetelephone
N whitetortoiseshellbracketleft
N whitetortoiseshellbracketright
N whiteuppointingsmalltriangle
N whiteuppointingtriangle
N wihiragana
N wikatakana
N wikorean
N wmonospace
N wohiragana
N wokatakana
N wokatakanahalfwidth
N won
N wonmonospace
N wowaenthai
N wparen
N wring
N wsuperior
N wturned
N wynn
N x
N xabovecmb
N xbopomofo
N xcircle
N xdieresis
N xdotaccent
N xeharmenian
N xi
N xmonospace
N xparen
N xsuperior
N y
N yaadosquare
N yabengali
N yacute
N yadeva
N yaekorean
N yagujarati

N yagurmukhi
N yahiragana
N yakatakana
N yakatakanahalfwidth
N yakorean
N yamakkanthai
N yasmallhiragana
N yasmallkatakana
N yasmallkatakanahalfwidth
N yatcyrillic
N ycircle
N ycircumflex
N ydieresis
N ydotaccent
N ydotbelow
N yeharabic
N yehbarreearabic
N yehbarreefinalarabic
N yehfinalarabic
N yehhamzaabovearabic
N yehhamzaabovefinalarabic
N yehhamzaaboveinitialarabic
N yehhamzaabovemedialarabic
N yehinitialarabic
N yehmedialarabic
N yehmeeminitialarabic
N yehmeemisolatedarabic
N yehnoonfinalarabic
N yehthreedotsbelowarabic
N yekorean
N yen
N yenmonospace
N yeokorean
N yeorinhieuhkorean
N yerahbenyomohebrew
N yerahbenyomolefthebrew
N yericyrillic
N yerudieresiscyrillic
N yesieungkorean
N yesieungpansioskorean
N yesieungsioskorean
N yetivhebrew
N ygrave
N yhook

N yhookabove
N yiarmenian
N yicyrillic
N yikorean
N yinyang
N yiwnarmenian
N ymonospace
N yod
N yoddagesh
N yoddageshhebrew
N yodhebrew
N yodyodhebrew
N yodyodpatahhebrew
N yohiragana
N yoikorean
N yokatakana
N yokatakanahalfwidth
N yokorean
N yosmallhiragana
N yosmallkatakana
N yosmallkatakanahalfwidth
N yotgreek
N yoyaekorean
N yoyakorean
N yoyakthai
N yoyingthai
N yparen
N ypogegrammeni
N ypogegrammenigreekcmb
N yr
N yring
N ysuperior
N ytilde
N yturned
N yuhiragana
N yuikorean
N yukatakana
N yukatakanahalfwidth
N yukorean
N yusbigcyrillic
N yusbigiotifiedcyrillic
N yuslittlecyrillic
N yuslittleiotifiedcyrillic
N yusmallhiragana

N yusmallkatakana
N yusmallkatakanahalfwidth
N yuyekorean
N yuyeokorean
N yyabengali
N yyadeva
N z
N zaarmenian
N zacute
N zadeva
N zagurmukhi
N zaharabic
N zahfinalarabic
N zahinitialarabic
N zahiragana
N zahmedialarabic
N zainarabic
N zainfinalarabic
N zakatakana
N zaqefgadolhebrew
N zaqefqatanhebrew
N zarqahebrew
N zayin
N zayindagesh
N zayindageshhebrew
N zayinhebrew
N zbopomofo
N zcaron
N zcircle
N zcircumflex
N zcurl
N zdot
N zdotaccent
N zdotbelow
N zecyrillic
N zedescendercyrillic
N zedieresiscyrillic
N zehiragana
N zekatakana
N zero
N zeroarabic
N zerobengali
N zerodeva
N zerogujarati

N	zerogurmukhi	
N	zerohackarabic	
N	zeroinferior	
N	zeromonospace	
N	zeropersian	
N	zerosuperior	
N	zerothai	
N	zerowidthjoiner	
N	zerowidthnonjoiner	
N	zerowidthspace	
N	zeta	
N	zhbopomofo	
N	zhearmenian	
N	zhebrevecyrillic	
N	zhecyrillic	
N	zhedescendercyrillic	
N	zhedieresiscyrillic	
N	zihiragana	
N	zikatakana	
N	zinorhebrew	
N	zlinebelow	
N	zmonospace	
N	zohiragana	
N	zokatakana	
N	zparen	
N	zretroflexhook	
N	zstroke	
N	zuhiragana	
N	zukatakana	
N	version	

enhanceid	function	
expansions	data table	
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getalternate	function	
getdiscexpansion	function	
getkern	function	
getmultiple	function	
getsubstitution	function	
getters	table	
T	alternate	
F	opentype	
T	kern	
F	opentype	
F	type1	

T	multiple	
F	opentype	
T	substitution	
F	opentype	

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D	colorschemes	
T	data	
T	dejavu-math	
S	author	
S	comment	
S	copyright	
B	initialized	
T	mathematics	
T	alternates	
T	dotless	
N	attribute	
S	comment	
S	feature	
N	value	
T	kerns	
S	name	
S	version	
D	designsizes	
D	filenames	
F	getcompositions	
T	list	
F	compositions	
F	designsizes	
F	expansions	
F	featureset	
F	filenames	
F	files	
F	mathematics	
F	protrusions	
F	solutions	
F	treatments	
F	typefaces	
F	load	
F	prepare_features	
F	register	
F	registerpostprocessor	
F	report	
T	suffixes	

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D	csnames		F	descriptions
D	descriptions		F	glyphs
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D	emwidths		F	add_placeholders
D	exheights		D	category_to_placeholder
D	extensibles		F	format
D	features		F	onetimemessage
D	identifiers		F	register
D	italics		F	reportdefinedfonts
D	lastmathids		F	reportusedfeatures
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D	originals		F	fromunicode16
D	parameters		F	loadfile
T	processes		F	loadline
D	properties		F	makenameparser
D	quads		D	overloads
D	resources		F	reset
T	setdynamics		F	tounicode
T	shapes		F	tounicode16
D	spaces		F	tounicode16sequence
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D	unicodes		F	boundingbox
D	variants		F	boxtomp
D	xheights		F	draw
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F	addprivate		F	maxbounds
F	dimenfactor		F	output
F	expandglyph		F	paths
F	fontpatternhassize		F	widthline
F	getcoloredglyphs		F	zeroline
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F	getparameters		D	cache
F	getprivatenode		B	inline
F	hasprivate		N	version
F	indextoslot		**names**	data table
F	name		**nulldata**	data table
F	nametoslot		**protrusions**	data table
F	setdigitwidth		**readers**	table
F	splitfontpattern		F	afm
F	tochar		F	check_lua
infofont	function		F	check_tfm

F lua		T rm	
F ofm		T features	
F opentype		S sc	
F otf		T ss	
F pfb		T features	
D sequence		S sc	
F tfm		T texgyrebonummath	
F ttc		T options	
F ttf		S extras	
reserveid	function	S features	
select	table	T texgyredejavumath	
T alternatives		T options	
F bodyfont		S extras	
T data		S features	
F default		T texgyrepagellamath	
T defaults		T options	
T asanamath		S extras	
T options		S features	
S extras		T texgyrescholamath	
S features		T options	
S goodies		S extras	
T cambriamath		S features	
T options		T texgyretermesmath	
S extras		T options	
S features		S extras	
S goodies		S features	
T dejavumath		T xitsmath	
T options		T options	
S extras		S extras	
S features		S features	
T latinmodernmath		S goodies	
T options		F definefallbackfamily	
S extras		F definefontfamily	
S features		F definefontfamilypreset	
S goodies		T extras	
T lucidabrightmathot		F features	
T options		F goodies	
S extras		F fallback	
S features		T fallbacks	
S goodies		F features	
T neoeuler		F filefallback	
T options		F fontdata	
S extras		F fontfallback	
S features		F fontsynonym	

F goodies		F definecontext	
F mathfallback		F mergecontext	
T methods		F presetcontext	
F default		F registercontext	
F file		F showcontext	
F name		F splitcontext	
F style		D synonyms	
T presets		D variants	
F registerfallback		**symbols**	table
F registerfiles		F uselibrary	
F registerfontalternative		**tables**	table
F registerfontfamily		D data	
F textfallback		F savefont	
F typeface		F saveoriginal	
F typescript		**tracers**	table
F userdata		**treatments**	table
setdiscexpansion	function	F applyfixes	
specifiers	table	D data	
D contextmerged		S filename	
F contextnumber		F ignoredfile	
D contextnumbers		F report	
D contextsetups		F trace	
F contexttostring		**typefaces**	table

functions (context)

dummy function

graphics (context)

backgrounds table

    F calculatemultipar

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

F	bitmapimage	F	btxloadreplacementfile
F	blockcolumnset	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	checkedpagefloat
F	btxdoifelsesameasprevious	F	checkinjector
F	btxdoifelseuservariable	F	checkinterfacechain
F	btxdoifnot	F	checktwopassdata
F	btxexpandedjournal	F	chemicalcomponent
F	btxfetchlistentries	F	chinesenumerals
F	btxfield	F	cleanfontname
F	btxfieldname	F	cleanupbox
F	btxfieldtype	F	cleanuplayers
F	btxfirstofrange	F	clonefield
F	btxflush	F	collectfloat
F	btxflushlistcombi	F	collecthelp
F	btxflushlistentry	F	colorcomponents
F	btxflushmarked	F	columnsetcurrentcolumn
F	btxflushpages	F	columnsetgoto
F	btxfoundname	F	columnsetnoto
F	btxfoundtype	F	concatcommalist
F	btxhandlecite	F	consultfloat
F	btxhandlenocite	F	convertbtxdatasettoxml
F	btxlastofrange	F	converteddimen
F	btxlistvariant	F	convertmpstopdf
F	btxloaddefinitionfile	F	copyboxfromcache
F	btxloadjournallist	F	copyposition

F cos
F cosd
F countervalue
F counttwopassdata
F currentcomponent
F currentdate
F currentdesignsize
F currentenvironment
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 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 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 doifelsesame
F doifcommon	F doifelsestackedfloats
F doifcounter	F doifelsesynonymshown
F doifelseblack	F doifelsesynonymused
F doifelsebuffer	F doifelseurldefined
F doifelsecharinfont	F doifelseutfmathabove
F doifelsecommon	F doifelseutfmathaccent
F doifelsecontinuewithfile	F doifelseutfmathbelow
F doifelseconverter	F doifelseutfmathfiller
F doifelsecounter	F doifelsevisualizer
F doifelsecurrentfonthasfeature	F doiffieldsetelse
F doifelsedrawingblack	F doifinset
F doifelsefieldcategory	F doifnotcommon
F doifelsefiledefined	F doifnotcounter
F doifelsefileexist	F doifnotecontent
F doifelsefirstchar	F doifnoteonsamepageasprevious
F doifelsefontpresent	F doifnotinset
F doifelseinelement	F doifnotsame
F doifelseinputfile	F doifposition
F doifelseinset	F doifsame
F doifelseintwopassdata	F doprocesstypescriptfile
F doifelseleapyear	F doreshapeframedbox
F doifelselisthasentry	F dosaveposition
F doifelselisthasnumber	F dosavepositionplus
F doifelselisthaspage	F dosavepositionwhd
F doifelselisthastitle	F dosetposition
F doifelselocfile	F dosetpositionbox
F doifelsemarking	F dosetpositionplus
F doifelsemessage	F dosetpositionstrut
F doifelseobject	F dosetpositionwhd
F doifelseobjectreference	F dostarttextfile
F doifelseolderversion	F dostoptextfile
F doifelseoverlapping	F elapsedtime
F doifelseparallel	F enableasciimode
F doifelseparentfile	F enableautofences
F doifelsepathexist	F enableautofontscript
F doifelseposition	F enablebackgroundalign
F doifelsepositiononpage	F enablebackgroundboxes
F doifelsepositionsonsamepage	F enablecolor
F doifelsepositionsonthispage	F enablecolorintents
F doifelsepositionsused	F enablecrlf
F doifelserangeonpage	F enabledirectives
F doifelsereference	F enableexperiments
F doifelserighttoleftinbox	F enablefontcolorschemes

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 fakeword	F flushlabeledfloat
F featureattribute	F flushnotes
F featurelist	F flushpageinjectionsafter
F feedback	F flushpageinjectionsbefore
F fetchallmarks	F flushpostponedblocks
F fetchmultipar	F flushpostponednotes
F fetchmultishape	F flushstream
F fetchonemark	F flushstreamcopy
F fetchposboxes	F fontchar
F fetchtwomarks	F fontcharbyindex
F figure_check	F fontcollectionclone
F figure_done	F fontcollectiondefine
F figure_dummy	F fontcollectionprepare
F figure_flush_registered_pages	F fontcollectionregister
F figure_identify	F fontcollectionreport
F figure_include	F fontcollectionreset
F figure_mergegoodies	F fontlookupgetkey
F figure_nof_registered_pages	F fontlookupgetkeyofindex
F figure_pop	F fontlookupinitialize

F fontlookupnoffound	F getrandomdimen
F forceendjob	F getrandomfloat
F forcequitjob	F getrandomnumber
F formatcolor	F getrandomseed
F formatgray	F getreadfilename
F from	F getsetupstring
F frule	F getsomefullstructurenumber
F getbidimode	F getsomestructurenumber
F getbodyfontsizes	F getspecificstructuretitle
F getboxfromcache	F getstructurelevel
F getbuffer	F getstructurenumber
F getbufferctxlua	F getsubstring
F getbuffermkvi	F gettexbuffer
F getcheckedinterfaceparameters	F gettwopassdata
F getcurrentprefixspec	F gettwopassdatalist
F getcurrentreferencemetadata	F geturl
F getdefaultfieldvalue	F getvisual
F getdocumentargument	F hboxtovbox
F getdocumentfilename	F helpaction
F getelementtag	F helpreference
F getfieldcategory	F hexstringtonumber
F getfile	F horizontalcode
F getfirstcharacter	F hour
F getfirsttwopassdata	F hyphenatedlist
F getfloatvariable	F hyphenatedurl
F getfullstructurenumber	F immediatemessage
F getinternalcachedlistreference	F incrementcounter
F getinternallistreference	F incrementedcounter
F getlasttwopassdata	F incrementsubcounter
F getmarking	F initializejob
F getmathdomain	F initializemathdomain
F getmathitalics	F initializemathitalics
F getmessage	F initializestream
F getmpextensions	F initializetexdirectives
F getmprandomnumber	F initializetextrackers
F getnaturaldimensions	F injectcurrentreference
F getnaturalwd	F injectcurrentreferencehtdp
F getnotestate	F injectreference
F getobjectdimensions	F inlinechemical
F getobjectreference	F inputfilebarename
F getobjectreferencepage	F inputfilename
F getprivatechar	F inputfilerealsuffix
F getprivateglyphslot	F inputfilesuffix
F getprogram	F insertattachment

F insertcomment	F lpdf_addtonames
F insertfield	F lpdf_addtopageattributes
F insertionnumber	F lpdf_addtopageresources
F insertrenderingwindow	F lpdf_addtopagesattributes
F installedlanguages	F lpdf_collectedresources
F installtexdirective	F lpdf_color
F installtextracker	F luascript
F jobfilename	F luathread
F jobfilesuffix	F lxmlid
F languagenumber	F markcontent
F lastcountervalue	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 markvisualfonts
F listgroupindex	F mathfraction
F listlabel	F mathrenderset
F listlocation	F message
F listnamespaces	F metapostescaped
F listprefixednumber	F metapostformatted
F listprefixedpage	F metapostgraphformat
F listrealpage	F minute
F listsize	F mixcleanup
F listtitle	F mixfinalize
F listuserdata	F mixflushlist
F loadexamodes	F mixflushrest
F loadfontgoodies	F mixgetsplit
F loadluamodule	F mixsetsplit
F loadmapfile	F mixstate
F loadmapline	F molecule
F loadspellchecklist	F month
F loadtypescriptfile	F monthmnem
F loadvisualizer	F monthname
F locatefilepath	F mpcolor
F locfilename	F mpflushliteral
F lower	F mpflushreset
F lpdf_adddocumentcolorspace	F mpgettext
F lpdf_adddocumentextgstate	F mpgraphic
F lpdf_adddocumentpattern	F mpoptions
F lpdf_adddocumentshade	F mprunset
F lpdf_addtocatalog	F mpruntab
F lpdf_addtoinfo	F mprunvar

F mpsetclippath	F pdfstopmirroring
F mpsetoutercolor	F pdfstoprotation
F mpsetsxsy	F pdfstopscaling
F mpsettext	F percentageof
F mptexget	F pgfxcolorspec
F mptexreset	F pickupbuffer
F mptexset	F pickupmarkedcontent
F mptexsetfrombuffer	F pickuppunctuation
F namedstructureuservariable	F placeparallel
F namedstructurevariable	F popfloat
F naturalwd	F pophyphenation
F nbfs	F popitaliccorrection
F nextcountervalue	F poplist
F nextparallel	F poppath
F nextsubcountervalue	F poprandomseed
F nofconversions	F popreferenceprefix
F nofdays	F popregime
F nofstackedfloats	F popsectionblock
F notedeltapage	F postponenotes
F noteinternal	F prefixedconverted
F notelistindex	F preparecolumnsetflush
F noteprefixednumber	F presetsymbollist
F notetitle	F presettabulate
F ntimes	F prevcountervalue
F number	F previoussubcountervalue
F numbers	F processbodyfontsizes
F octnumber	F processbuffer
F octstringtonumber	F processcolorcomponents
F operatingsystem	F processedfile
F ordinal	F processedfiles
F outputfilename	F processfile
F overloadbookmark	F processfilemany
F overloaderror	F processfilenone
F overloadlowercase	F processfileonce
F overloaduppercase	F processjob
F pageofinternal	F processlist
F pagestaterealpage	F processregister
F parpos	F processsplit
F pdfrotation	F processsynonyms
F pdfstartmatrix	F profilebox
F pdfstartmirroring	F purefontname
F pdfstartrotation	F pushfloat
F pdfstartscaling	F pushhyphenation
F pdfstopmatrix	F pushitaliccorrection

F pushlist	F registershownsynonym
F pushpath	F registerstructureprocessor
F pushrandomseed	F registersynonym
F pushreferenceprefix	F registerunit
F pushregime	F registerusedsynonym
F pushsectionblock	F registeruserdata
F pushstream	F relatemarking
F putboxincache	F renderingvar
F putincolumnset	F replacefeature
F rawcharacter	F replacepospxywhd
F rawcountervalue	F reportstructure
F rawdate	F resavefloat
F rawsetupstring	F resetboxesincache
F rawsubcountervalue	F resetcharacteralign
F referencepagedetail	F resetcolumnset
F referencepagestate	F resetcounter
F referencerealpage	F reseteffect
F registerattachment	F resetfeature
F registerbackendsymbol	F resetfontfeature
F registerbodyfontsize	F resetfontsolution
F registerbookmark	F resetinjector
F registerbuttons	F resetitaliccorrection
F registercolorintent	F resetmapfiles
F registercolumnsetarea	F resetmarking
F registeredviewerlayer	F resetmathattributes
F registerfigurepattern	F resetmathitalics
F registerfiguresuffix	F resetnullfont
F registerfontalternative	F resetparallel
F registerfontfamily	F resetpath
F registerhelp	F resetprevdepth
F registerhyphenationexception	F resetreference
F registerhyphenationpattern	F resetscript
F registeritemgroup	F resetshownsynonyms
F registerlanguagefeatures	F resetstructureprocessor
F registerlinenumbering	F resetsubcounter
F registermaintextcolor	F resettimer
F registermpyfile	F resettrackers
F registernamedlua	F resetusedsynonyms
F registernamespace	F restartcounter
F registerobject	F restartsubcounter
F registerpostponedblock	F restorecounter
F registerreferencedobject	F restorecurrentattributes
F registerrendering	F restorenote
F registersection	F restoreobject

F reuserandomseed	F setdestinationattribute
F revivefeature	F setdigitsmanipulation
F romannumerals	F setdirection
F rounded	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 setfieldcalculationset
F savemargindata	F setfigurelookuporder
F savenote	F setfigurepaths
F savepagedata	F setfirstline
F savepageinjections	F setfontfeature
F saveparallel	F setfontofid
F savespecificfloat	F setfontsolution
F savestructureblock	F setformat
F savetaggedtwopassdata	F setformsmethod
F savetwopassdata	F sethsizecolumnset
F savevariable	F sethsizecolumnspan
F second	F sethyphenatedurlcharacters
F selectstructureblock	F sethyphenationfeatures
F setactivecatcodes	F sethyphenationmethod
F setbreakpoints	F setinitial
F setcharacteralign	F setinitialsectionblock
F setcharactercasing	F setinjector
F setcharactercleaning	F setinnerreferencemethod
F setcharacterkerning	F setinsertionlocation
F setcharacterspacing	F setinterfaceconstant
F setcharacterstripping	F setinterfaceelement
F setclosedocumentaction	F setinterfacemessage
F setclosepageaction	F setinterfacemessages
F setcolormodel	F setinterfacevariable
F setcolumnsetarea	F setinternalreference
F setcolumnsetlines	F setitaliccorrection
F setcolumnsetproperties	F setjavascriptpreamble
F setcolumnsetstart	F setjobcomment
F setcounter	F setlanguageexceptions
F setdataset	F setlanguagesynonym

F	setlettercatcodes	F	settagaspect
F	setmapfile	F	settagcombination
F	setmapline	F	settagdelimitedsymbol
F	setmarking	F	settagfigure
F	setmathalphabet	F	settaggedmetadata
F	setmathalternate	F	settaghighlight
F	setmathattribute	F	settagitem
F	setmathdirection	F	settagitemgroup
F	setmathdomain	F	settaglist
F	setmathitalics	F	settagnotation
F	setmathstyle	F	settagnotationsymbol
F	setmpextensions	F	settagproperty
F	setnaturalwd	F	settagproperty_b
F	setnegative	F	settagproperty_n
F	setnextinternalreference	F	settagregister
F	setnextreferenceorder	F	settagsorting
F	setnotestate	F	settagsubsentencesymbol
F	setopendocumentaction	F	settagsynonym
F	setopenpageaction	F	settagtablecell
F	setowncounter	F	settagtabulatecell
F	setownsubcounter	F	setupbookmarks
F	setpagecolormodel	F	setupcanvas
F	setpagestate	F	setupcharacterspacing
F	setpagestaterealpageno	F	setupexport
F	setpagetransition	F	setupfontexpansion
F	setparbuilder	F	setupfontprotrusion
F	setpdfcompression	F	setupidentity
F	setprofile	F	setupinsertion
F	setrandomseed	F	setupitaliccorrection
F	setrealign	F	setuplinenumbering
F	setrealspaces	F	setuserinterface
F	setreferencearguments	F	setvalidinterfacekeys
F	setreferenceoperation	F	setvisual
F	setregionbox	F	setvisualfont
F	setregionboxtagged	F	setvisuallayer
F	setregistermethod	F	setvisuals
F	setreplacements	F	setvsizecolumnset
F	setscript	F	setxmpfile
F	setsectionblock	F	showassignerror
F	setsectionentry	F	showattributes
F	setstructureblockstate	F	showcounter
F	setstructurelevel	F	showdebuginfo
F	setstructurenumber	F	showdirectives
F	setsubcounter	F	showdiscretionaries

F showexperiments	F stopstream
F showhyphenatedinlist	F stoptag
F showhyphenationtrace	F stoptext
F showinjector	F stopviewerlayer
F showjustification	F storejavascriptcode
F showlogcategories	F storejavascriptpreamble
F showmessage	F storenote
F showtrackers	F storeregister
F sin	F strdp
F sind	F strhd
F splitfilename	F strht
F spotcolorname	F strip
F spotcolorparent	F structureautocatcodedget
F spotcolorvalue	F structurecatcodedget
F startactualtext	F structuregivencatcodedget
F startchemical	F structurenumber
F startcolorset	F structuretitle
F startcomponent	F structureuservariable
F startenvironment	F structurevariable
F startfontsolution	F strwd
F startparbuilder	F subcountervalue
F startproduct	F subcountervalues
F startproject	F subsubcountervalues
F startregime	F subtractfeature
F startsectionlevel	F synchronizemarking
F startstream	F synchronizestream
F starttag	F synonymmeaning
F starttag_c	F synonymname
F starttag_d	F systemlog
F starttag_u	F tagmfunctionlab
F starttext	F tagmfunctiontxt
F startviewerlayer	F tan
F step	F tand
F stopactualtext	F texdefinition_one
F stopchemical	F texdefinition_two
F stopcolorset	F textime
F stopcomponent	F thefirstcharacter
F stopenvironment	F themaxboxwidth
F stopfontsolution	F theremainingcharacters
F stopparbuilder	F tochar
F stopproduct	F transparencycomponents
F stopproject	F triggerpagebuilder
F stopregime	F truefilename
F stopsectionlevel	F type

F typebuffer

F typefile

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 xmlload

F xmlloadbuffer

F xmlloaddata

F xmlloaddirectives

F xmlloadentities

F xmlmain

F xmlmatch

F xmlname

F xmlnamespace

F xmlnonspace

F xmlpath

F xmlpos

F xmlprependsetup

F xmlpure

F xmlraw

F xmlrawtex

F xmlrefatt

F xmlregisterns

F xmlremapname

F xmlremapnamespace

F xmlremovesetup

F xmlresetinjectors

F xmlresetsetups

F xmlsave

F xmlsetcommandtonone

F xmlsetcommandtotext

F xmlsetentity

F xmlsetinjectors

F xmlsetsetup

F xmlsnippet

F xmlstartraw

F xmlstarttiming

F xmlstopraw

F xmlstoptiming

F xmlstrip

F xmlstripanywhere

F xmlstripnolines

F xmlstripped

F	xmlstrippednolines	**setmacro**	function
F	xmltag	**setmessage**	function
F	xmltexentity	**setmessages**	function
F	xmltext	**settranslation**	function
F	xmltobuffer	**setupstrings**	data table
F	xmltobufferverbose	**setuserinterface**	function
F	xmltofile	**setvalidkeys**	function
F	xmltoparameters	**setvariable**	function
F	xmlverbatim	**showmessage**	function
F	xmlwithindex	**storedscanners**	data table
F	year	**strings**	table
setconstant	function	**syntax**	data table
setcount	function	**tolist**	function
setdimen	function	**translations**	data table
setelement	function	**variables**	data table
setformat	function	**writestatus**	function

io (basic lua)

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

jit (context)

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

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		
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	
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 page	

F	paragraph	**register**	function
F	parindent	**save**	function
F	position	**structure**	table
F	r	D collected	
F	region	T components	
F	replace	T tobesaved	
F	rightskip	T branches	
F	set	S name	
F	setall	S type	
F	setdim	**variables**	table
F	setregionbox	D checksums	
D	tobesaved	D collected	
F	upperleft	F getchecksum	
F	upperright	F makechecksum	
S	used	F restore	
F	width	F save	
F	x	F setchecksum	
F	xy	D tobesaved	
F	y	**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
expanders	table		F report
frequencies	table	**numbers**	data table
	F averagecharwidth	**postexhyphenchar**	function
	F getdata	**posthyphenchar**	function
getdata	function	**preexhyphenchar**	function
getnumber	function	**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
	B optimize		D characters
	F popmethod		N lefthyphenmin
	F pushmethod		D mapping
	F setmethod		B packslashes
	F setup		N righthyphenmin
	F showhyphenationtrace		F setcharacters
	T traditional	**version**	number
	F definefeatures	**visualizediscretionaries**	function
	F gettrace	**words**	table
	F hyphenate		F check
	F injecthyphens		T data
	F installmethod		F disable
	F lasttrace		F enable
	F loadpatterns		T enablers
	F registerexception		B enables

F found

F load

T methods

N threshold

layouts (context)

status table

F isleftpage

F leftorrightpageaction

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
    F td
    F th

include function
inherited table

    S color-background-four
    S color-background-one
    S color-background-three
    S color-background-two
    S title

initialize function
inject function
lmxfile function

stripcss function
tv function
type function
urlescape function
variable function
variables table

    S color-background-blue
    S color-background-body
    S color-background-green
    S color-background-main
    S color-background-purple
    S color-background-yellow
    S title-default

logs (context)

application	function	**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	**pdfcolor**	function
colorvalues	function	**pdftimestamp**	function
constant	function	**permitdetail**	function
delayedobject	function	**protectresources**	boolean
destinationspecification	function	**rectangle**	function
dictionary	function	**reference**	function
docstring	function	**registerannotation**	function
epdf	table	**registerdestination**	function
F contenttotext		**registerdocumentfinalizer**	function
F expand		**registerpagefinalizer**	function
F expanded		**reserveobject**	function
F getpagecontent		**rgbcode**	function
F getstructure		**rotationcm**	function
F load		**setdates**	function
F unload		**settime**	function
escaped	function	**settrailerid**	function

shareobject	function	**transform**	function
shareobjectreference	function	**transparency**	function
spotcode	function	**transparencycode**	function
stream	function	**transparencygroups**	table
string	function	B none	
timestamp	function	**transparencyvalue**	function
toeight	function	**unicode**	function
topdfdoc	function	**verbose**	function
tosixteen	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	**registerstopactions**	function
registerdumpactions	function	**registertempfile**	function
registerpageactions	function	**starttime**	number
registerstartactions	function		

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		**pos**	function
doifelsetext	function		**position**	function
doifempty	function		**pure**	function
doifnot	function		**raw**	function
doifnotempty	function		**rawroot**	function
doifnottext	function		**rawtex**	function
doiftext	function		**refatt**	function
element	function		**register**	function
elements	function		**registerentity**	function
entities	data table		**removesetup**	function
filter	function		**resetcdata**	function
filterlist	function		**resetsetups**	function
first	function		**resolvedentity**	function

root	function		**startraw**	function
save	function		**startunescaped**	function
serialize	function		**stopraw**	function
setaction	function		**stopunescaped**	function
setcdata	function		**store**	function
setcommandtonone	function		**strip**	function
setcommandtotext	function		**stripped**	function
setsetup	function		**tag**	function
snippet	function		**text**	function
sorters	table		**tobuffer**	function
			tofile	function

- F add
- F compare
- F flush
- F reset
- F show
- F sort

splitid   function

toparameters   function
toverbatim   function
verbatim   function
withindex   function
xmltexhandler   data table

math (basic lua)

abs	function	**log10**	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**	function
deg	function	**randomseed**	function
div	function	**round**	function
even	function	**setrandomseedi**	function
exp	function	**sin**	function
floor	function	**sind**	function
fmod	function	**sinh**	function
frexp	function	**sqrt**	function
huge	number	**tan**	function
initialseed	number	**tand**	function
ldexp	function	**tanh**	function
log	function		

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		**remapalphabets**	function
charactersets	data table	**renderings**	table
checkaccentbaseheight	function	D mappings	
checkprivateparameters	function	D numbers	
classes	data table	D sets	
codes	data table	**renderset**	function
define	function	**resetattributes**	function
dimensions	function	**resetitalics**	function
domains	table	**scaleparameters**	function
extensiblecode	function	**setalternate**	function
extensibles	data table	**setdomain**	function
extrabase	number	**setitalics**	function
extras	table	**sets**	data table
F add		**styles**	data table
F copy		**syncboth**	function
fallbacks	table	**syncname**	function
F apply		**syncstyle**	function
F install		**toname**	function
fallbackstyleattr	function	**tostyle**	function
families	data table	**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
injectfallbacks	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	**exor**	function
crypt	function	**hex**	function
dec	function	**sum**	function
decrypt	function	**sumhexa**	function

metapost (context)

analyzeplugins	function	**gettext**	function
checkformat	function	**graphic**	function
checktexts	function	**graphic_base_pass**	function
collapse	boolean	**initializescriptrunner**	function
colorinitializer	function	**instance**	function
convert	function	**intermediate**	table
defaultformat	string	T actions	
defaultinstance	string	F makempy	
defaultmethod	string	**lastlog**	string
directrun	function	**load**	function
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		**process**	function
F startfigure		**processplugins**	function
F stopfigure		**processspecial**	function
N instances		**properties**	table
F process		**quickanddirty**	function
format	function	**reducetogray**	boolean
format_number	function	**reporterror**	function
format_string	function	**reset**	function
formatnumber	function	**resetlastlog**	function
getclippath	function	**resetplugins**	function
getextensions	function	**runscript**	function
getjobdata	function	**scripterror**	function
getstatistics	function	**setextensions**	function

setoutercolor	function	F setfrombuffer	
settext	function	**texerrors**	boolean
showlog	boolean	**textextsdata**	function
simple	function	**theclippath**	function
svformat	function	**totable**	function
tex	table	**unload**	function
F get		**untagvariable**	function
F reset		**variables**	table
F set			

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	**boolean**	function
MakeupWidth	function	**dataset**	function
NOfColumns	function	**datasets**	table
NOfPages	function	F load	
NamedColor	function		
OnOddPage	function	**defaultcolormodel**	function
OnRightPage	function	**format**	function
OuterEdgeDistance	function	**formatted**	function
OuterEdgeWidth	function	**get**	table
OuterMarginDistance	function	F boolean	
		F number	

	F numeric	**quadruple**	function
	F string	**quoted**	function
get_outline_text	function	**report**	function
graphformat	function	**size**	function
n	function	**tb_dimensions**	function
numeric	function	**triplet**	function
pair	function	**tt_dimensions**	function
path	function	**tt_initialize**	function
print	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 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)

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

- F copy
- F copy_list
- F count
- F current_attr
- F dimensions
- F do_ligature_n
- 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 getboth
- F getbox
- F getchar
- F getdisc
- F getfield
- F getfont
- F getglue
- F getid
- F getleader
- F getlist
- F getnext
- F getprev
- F getproperty
- F getsubtype
- 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 remove
- F set_attribute
- F set_properties_mode
- F setboth
- F setbox
- F setchar
- F setdisc
- F setfield
- F setglue
- F setleader
- F setlink
- F setlist
- F setnext
- F setprev
- F setproperty
- F setsubtype
- F slide
- F tail
- F todirect
- F tonode
- F tostring
- F traverse
- F traverse_char
- F traverse_id
- F unprotect_glyphs
- F unset_attribute
- F usedlist

F vpack		**is_zero_glue**	function
F write		**kerning**	function
do_ligature_n	function	**last_node**	function
effective_glue	function	**length**	function
end_of_math	function	**ligaturing**	function
family_font	function	**mlist_to_hlist**	function
fields	function	**new**	function
find_attribute	function	**next**	function
first_glyph	function	**prev**	function
flush_list	function	**protect_glyph**	function
flush_node	function	**protect_glyphs**	function
flush_properties_table	function	**protrusion_skippable**	function
free	function	**remove**	function
get_attribute	function	**set_attribute**	function
get_properties_table	function	**set_properties_mode**	function
getboth	function	**setboth**	function
getchar	function	**setfield**	function
getdisc	function	**setglue**	function
getfield	function	**setlink**	function
getfont	function	**setnext**	function
getglue	function	**setprev**	function
getid	function	**setproperty**	function
getleader	function	**slide**	function
getlist	function	**subtype**	function
getnext	function	**subtypes**	function
getprev	function	**tail**	function
getproperty	function	**tostring**	function
getsubtype	function	**traverse**	function
has_attribute	function	**traverse_char**	function
has_field	function	**traverse_id**	function
has_glyph	function	**type**	function
hpack	function	**types**	function
id	function	**unprotect_glyphs**	function
insert_after	function	**unset_attribute**	function
insert_before	function	**usedlist**	function
is_char	function	**vpack**	function
is_glyph	function	**whatsits**	function
is_node	function	**write**	function

nodes (context)

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

has_field	function		F define
has_glyph	function		F enable
hpack	function		F handler
idstostring	function	**lines**	table
ignorablefields	data table		T boxed
injections	table		F register
F copy			F setup
F getligaindex			F stage_one
F handler			F stage_two
F installnewkern			D data
F keepcounts			F finalize
F reset			F number
F resetcounts			N scratchbox
F setcursive		**link**	function
F setkern		**linked**	function
F setligaindex		**list**	function
F setmark		**listablefields**	data table
F setpair		**listcodes**	data table
F setspacekerns		**listtoutf**	function
insert_after	function	**load**	function
insert_before	function	**locate**	function
insert_list_after	function	**margincodes**	data table
installattributehandler	function	**marginkerncodes**	data table
is_char	function	**markers**	table
is_direct	function		F get
is_display_math	function	**mathcodes**	data table
is_glyph	function	**maxboxwidth**	function
is_mirrored	data table	**mlist_to_hlist**	function
is_node	function	**new**	function
is_nut	function	**noadcodes**	data table
is_rotated	data table	**nodecodes**	data table
is_zero_glue	function	**nopts**	function
ischar	function	**nuts**	table
isglyph	function		F append
kerncodes	data table		F concat
kerning	function		F copy
keys	table		F copy_list
T whatsit			F copy_properties
last_node	function		F copyvisual
leadercodes	data table		F count
leftmarginwidth	function		F current_attr
ligaturing	function		F delete
linefillers	table		F dimensions
D data			F do_ligature_n

F effective_glue
F end_of_math
F first_glyph
F firstcharacter
F firstcharinbox
F firstglyph
F flush_list
F flush_node
F free
F fullhpack
F getattr
F getattribute
F getboth
F getbox
F getchar
F getdisc
F getfield
F getfont
F getglue
F getid
F getleader
F getlist
F getnext
F getprev
F getprop
F getskip
F getsubtype
F has_attribute
F has_field
F has_glyph
F hpack
F insert_after
F insert_before
F insert_list_after
F is_char
F is_direct
F is_display_math
F is_glyph
F is_node
F is_nut
F is_zero_glue
F ischar
F isglyph
F kerning

F last_node
F leftmarginwidth
F ligaturing
F link
F linked
F locate
F mlist_to_hlist
F nestedtracedslide
F new
T pool
  F baselineskip
  F boundary
  F cleanup
  F disc
  F emptyrule
  F fontkern
  F glue
  F gluespec
  F glyph
  F hlist
  F italickern
  F kern
  F latelua
  F lateluafunction
  F leftmarginkern
  F leftskip
  F lineskip
  F negatedglue
  F noad
  F pdfannotation
  F pdfdestination
  F pdfdirect
  F pdfliteral
  F pdfrestore
  F pdfsave
  F pdfsetmatrix
  F penalty
  F register
  F rightmarginkern
  F rightskip
  F rule
  F shrink
  F special
  F stretch

F temp

F textdir

F usage

F userattributes

T userids

  N margins.inline

  N property

  N splitters.one

  N splitters.two

F userlist

F userlua

F usernumber

F userrule

F userstring

F usertokens

F vlist

F wordboundary

F zeroglue

F prepend

F protect_glyph

F protect_glyphs

F protrusion_skippable

F rawprop

F reference

F rehpack

F remove

F repackhlist

F replace

F rightmarginwidth

F set_attribute

F setattr

F setattribute

F setattributes

F setboth

F setbox

F setchar

F setdisc

F setfield

F setglue

F setleader

F setlink

F setlist

F setnext

F setprev

F setprop

F setsubtype

F setunsetattributes

F setvisual

F setvisuals

F slide

F somepenalty

F somespace

F splitbox

F tail

F takebox

F takelist

F theprop

F tonode

F tonodes

F tonut

F tosequence

F tostring

F tracedslide

F traverse

F traverse_char

F traverse_id

T typesetters

  F tohbox

  F tohpack

  F tonodes

  F tovbox

  F tovpack

F unprotect_glyphs

F unset_attribute

F unsetattribute

F unsetattributes

F untracedslide

F usedlist

F vianodes

F vianuts

F vpack

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

setunsetattributes	function		F table	
shifts	table	**textdir_is_equal**	data table	
D data		**textdir_is_is**	data table	
F define		**textdir_is_opposite**	data table	
F enable		**textdir_is_parallel**	data table	
F handler		**tobasepoints**	function	
show	function	**tocentimeters**	function	
showboxes	function	**tociceros**	function	
showcodes	function	**todidots**	function	
showlist	function	**todimen**	function	
showsimplelist	function	**toinches**	function	
skipcodes	data table	**tomillimeters**	function	
slide	function	**tonewciceros**	function	
snapshots	table	**tonewdidots**	function	
F getparameters		**tonode**	function	
F getsamples		**tonodes**	function	
F resetsamples		**tonut**	function	
F takesample		**topicas**	function	
somepenalty	function	**topoints**	function	
somespace	function	**toscaledpoints**	function	
splitbox	function	**tosequence**	function	
stripdiscretionaries	function	**tostring**	function	
stripping	table	**totable**	function	
T glyphs		**totree**	function	
F set		**toutf**	function	
striprange	function	**tracers**	table	
tail	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 prependaction		F register		
F removeaction		T pool		
F replaceaction		T nodes		
F restart		F rule		
F setaction		T nuts		
F showactions		F rule		

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	**whatsitters**	table
traverse_char	function	T getters	
traverse_id	function	T dimensions	
typesetters	table	T width	
F hbox		T setters	
F hpack		T dimensions	
F tohbox		T width	
F tohpack		**write**	function

number (context)

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

package (basic lua)

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

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
getdecimaldigits	function	**obj**	function
getdestmargin	function	**objtype**	function
gethpos	function	**pageref**	function
getignoreunknownimages	function	**print**	function
getimageresolution	function	**refobj**	function
getinclusionerrorlevel	function	**registerannot**	overloaded function
getinfo	function	**reserveobj**	function
getlastannot	function	**setcatalog**	overloaded function
getlastlink	function	**setcompresslevel**	function
getlastobj	function	**setdecimaldigits**	function
getlinkmargin	function	**setdestmargin**	function
getmajorversion	function	**setignoreunknownimages**	function
getmatrix	function	**setimageresolution**	function
getminorversion	function	**setinclusionerrorlevel**	function
getnames	function	**setinfo**	overloaded function
getobjcompresslevel	function	**setlinkmargin**	function
getorigin	function	**setmajorversion**	function
getpageattributes	function	**setminorversion**	function
getpageresources	function	**setnames**	overloaded function
getpagesattributes	function	**setobjcompresslevel**	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

profiler (extra lua)

pause   function   **start**   function

resume function   **stop**   function

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

F showhashedauthors

F showtables

F showvariants

typesetters　　　　　　table

F author

F string

usedataset　　　　　　function

usedentries　　　　　　function

writers　　　　　　table

F author

F keyword

F pagenumber

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	**registerextrapath**	function
F currentcomponent		**registerfile**	function
F currentenvironment		**registerfilehash**	function
F currentproduct		**registerintrees**	function
F currentproject		**registermethod**	function
F justacomponent		**registerzipfile**	function
D processors		**relations**	data table
F productcomponent		**renew**	function
F usefile		**repath**	function
joinpath	function	**reset**	function
load	function	**resetextrapath**	function
loadbinfile	function	**resetmemstream**	function
loaders	data table	**resetresolve**	function
loadlualib	function	**resolve**	function
loadtexfile	function	**savers**	data table
loadtime	function	**scandata**	function
locateformat	function	**scanfiles**	function
locators	data table	**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
pushpath	function	**unexpandedpathlist**	function

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

sandbox (context)

binaryhandler	function	**redefine**	function
disablerunners	function	**register**	function
enable	function	**registerbinary**	function
filehandlerone	function	**registerroot**	function
filehandlertwo	function	**registerrunner**	function
finalizer	function	**report**	function
initializer	function	**run**	function
iohandler	function	**runhandler**	function
logcalls	function	**setfilenamelogger**	function
logfiles	function	**setlogger**	function
original	function	**setreporter**	function
overload	function	**settrace**	function
possiblepath	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	**tonumber**	function
create	function	**totable**	function
tolist	function		

socket (extra lua)

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

S	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		**optionalquoted**	function
autosingle	function		**quote**	function
booleanstring	function		**quoted**	function
byte	function		**rep**	function
bytepairs	function		**replacenewlines**	function
bytes	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
nspaces	table		**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	
itemgroups	table	F uservalue	
lists	table	**marks**	table
F addto		D data	
F analyze		F define	
B autoreorder		F exists	
D cached		F fetch	
D collected		F fetchallmarks	
F discard		F fetched	
F enhance		F fetchonemark	
T enhancers		F fetchtwomarks	
F filter		F get	
F formulanumber		F number	
F getresult		F relate	
F groupindex		F reset	
F hasnumberdata		F set	
F haspagedata		F show	
F hastitledata		F synchronize	
F iscached		F title	
D kinds		T tracers	
F label		F showtable	
F location		**notes**	table
D names		F checkpagechange	
F number		F define	
D ordered		F doifonsamepageasprevious	
F page		F get	
F popnesting		F getdeltapage	
F prefix		F getinternal	
F prefixednumber		F getn	
F prefixedpage		F getstate	
F process		F hascontent	
D pushed		F internal	
F pushnesting		F internalid	
F realpage		F listindex	
F reordered		F ordered	
T result		F postpone	

F	setreferencerealpage	
D	specials	
F	splitcomponent	
F	splitprefix	
F	splitreference	
F	synchronizepage	
T	testrunners	
F	inner	
F	special	
F	special operation	
F	special operation with arguments	
T	testspecials	
F	deltapage	
F	i	
F	internal	
F	page	
F	realpage	
F	section	
F	userpage	
D	tobereferred	
D	tobesaved	
D	tracedpages	
T	urls	
T	data	
F	define	
F	found	
F	get	
D	usedinternals	
D	usedviews	
F	valid	

registers   table

F	analyze
D	collected
F	compare
F	define
F	enhance
F	extend
F	filter
F	filtercollected
F	finalize
F	findinternal
F	flush
F	get
F	prepare

F	process
F	setmethod
F	sort
F	store
D	tobesaved
F	unique
F	userdata

sections   table

F	autodepth
F	cct
D	collected
F	current
F	currentblock
F	currentid
F	currentlevel
F	currentsectionindex
F	depthnumber
F	finddata
F	findnumber
F	fullnumber
F	getcurrentlevel
F	getlevel
F	getnumber
F	internalreference
D	levelmap
D	levels
F	load
F	matchingtilldepth
F	numberatdepth
F	numbers
F	popblock
F	prefixedconverted
F	pushblock
F	register
D	registered
F	reportstructure
F	save
T	sectionblockdata
T	bodypart
S	bookmark
F	set
F	setblock
F	setchecker
F	setentry

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

sets   table

F	define
F	get
F	getall
D	setlist

U splitter

D properties

F registermetadata

F restart

F setaspect

F setattributehash

specials   table

D	collected
F	retrieve
F	store
D	tobesaved

F setcombination

F setfigure

F sethighlight

F setitem

synonyms   table

F	analyzed
D	collected
F	compare
F	define
F	filter
F	finalize
F	flush
F	isshown
F	isused
F	meaning
F	prepare
F	process
F	register
F	registershown
F	registerused
F	resetshown
F	resetused
F	sort
F	synonym
D	tobesaved

F setitemgroup

F setlist

F setnotation

F setnotationsymbol

F setproperty

F setregister

F setsorting

F setsynonym

F settablecell

F settabulatecell

F settagdelimitedsymbol

F settagsubsentencesymbol

F setupexport

F setuserproperties

D specifications

F start

F stop

F strip

D taglist

T usewithcare

  T images

tags   table

table (basic lua)

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

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 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 box

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
F boolean		S tonumber
F code		S tostring

```
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 skip                           F scandimen
  F token                          F scandimension
U hbox                             F scaninteger
F istoken                          F scankeyword
F letter                           F scanlist
F letters                          F scannumber
F other                            F scanopen
F pickup                           F scanstring
F printlist                        F scanword
F scantable                        F toboolean
T setters                          F todimen
  F box                            F tonumber
  F count                          F tostring
  F dimen                        U vbox
  F glue                         U vtop
  F macro                        F tonumber
  F skip                         F tostring
T shortcuts               vbox            userdata
  N close                 vtop            userdata
  F inspect
```

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

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

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

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 look	
F open	
F read2dot14	
F readbyte	
F readbytes	
F readcardinal	
F readcardinal1	
F readcardinal2	
F readcardinal3	
F readcardinal4	
F readchar	
F readfixed4	
F readinteger	
F readinteger1	
F readinteger2	
F readinteger3	
F readinteger4	
F readstring	
F readtag	
F setposition	
F size	
F skip	
F skiplong	
F skipshort	
formatters	table
F formatcolumns	
F list	
F stripzeros	
garbagecollector	table
F check	
N criterium	
B enabled	

lua	table
B alwaysstripcode	
F compile	
F loadedluacode	
F loadstripped	
N nofstrippedbytes	
N nofstrippedchunks	
B stripcode	
T strippedchunks	
F strippedloadstring	
T suffixes	
S lua	
S luc	
S lui	
S luj	
S luv	
S tma	
S tmc	
S tua	
S tuc	
packers	table
F hashed	
F new	
F pack	
F simplehashed	
F strip	
F unpack	
N version	
parsers	table
F add_settings_to_array	
F arguments_to_table	
F array_to_string	
F csvsplitter	
F getparameters	
F groupedsplitat	
F hash_to_string	
T hashes	
T settings_to_set	
T max,fit,broad,auto	
B auto	
B broad	

F readcardinal3
        F readcardinal4
        F readchar
        F readfixed4
        F readinteger
        F readinteger1
        F readinteger2
        F readinteger4
        F readstring
        F setposition
        F size
        F skip
        F skipbytes
        F skiplong
        F skipshort
strings   table
        F collapsecrlf
        T formatters
          F add
          F new
        F newrepeater
        F nice
        T striplinepatterns
          U collapse
          U prune

              U prune and collapse
              U prune and no empty
              U retain
              U retain and collapse
              U retain and no empty
          F striplines
          F striplong
          F tabtospace
          T tracers
tables   table
          F accesstable
          F definedtable
          F definetable
          F encapsulate
          F insertaftervalue
          F insertbeforevalue
          F migratetable
          F removevalue
          F replacevalue
templates   table
          F load
          F replace
          F replacer
          F resolve

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

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
F index		**lastmatch**	function
F last		**load**	function
F lowerall		**lpath**	function

lpathcached	function		**save**	function
lpathcalls	function		**selection**	function
lshow	function		**separate**	function
makestandalone	function		**serialize**	function
match	function		**setcdata**	function
name	function		**setcomment**	function
newhandlers	function		**sethandlersfunction**	function
nodesettostring	function		**setinjectors**	function
originalload	function		**setproperty**	function
package	function		**settings**	function
parent	function		**specialcodes**	table
parsedentitylpeg	userdata		S "	
pihandlers	table		S #	
F injector			S $	
F tex			S %	
placeholders	table		S &	
F unknown_any_entity			S '	
F unknown_dec_entity			S <	
F unknown_hex_entity			S >	
position	function		S \	
privatecodes	table		S {	
privatetoken	function		S |	
process	function		S }	
~~**process_attributes**~~	~~function~~		S ~	
~~**process_elements**~~	~~function~~		**specialhandler**	table
processattributes	function		**sprint**	function
profiled	table		**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
replace	function		**toxml**	function
replace_element	function		**tprint**	function
resetinjectors	function		**traverse**	function
resolvens	function		**unescaped**	function
root	function		**unescapedentitylpeg**	userdata

unprivatized	function	**withelements**	function
unspecialized	function	**wrap**	function
withelement	function	**xmlns**	table

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		