

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

ConTEXt MkIV

global (alias: _G)

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

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

attributes (context)

colorintents table

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

colors table

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

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

define

effects

function

table

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

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

backends (context)

codeinjections table

F boxresourcedimensions
F registerboxresource
F restoreboxresource

current string

defaults table

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

included table

B context
B date
B id
B metadata
B pdf

install function

nodeinjections table

F restore
F save
F transform

nothing function

pdf table

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

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

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

bit32 (basic lua)

arshift function

band function

bnot function

bor function

btest function

bxor function

extract function

lrotate function

lshift function

replace function

rrotate function

rshift function

blobs (context)

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

| | |
|----------------|----------|
| strht | function |
| strwd | function |
| tohpack | function |
| tonodes | function |
| tovpack | function |
| write | function |

boolean (context)

tocontext function

tonumber function

buffers (context)

| | | | |
|-----------------------|----------|-------------------------|----------|
| append | function | 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 kepttogether
- F registertogether
- T solutions
 - T splitters
 - F define
 - F optimize

- T registered
- F reset
- F set
- F split
- F start
- F stop
- F tag

profiling table

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

vspacing table

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

caches (context)

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

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

| | |
|---------------|------------|
| freeze | function |
| known | function |
| list | data table |
| pop | function |

| | |
|-----------------|----------|
| push | function |
| register | function |
| report | function |

catcodes (context)

names data table

numbers data table

register function

characters (context)

| activeoffset | number | lhash | data table |
|-----------------------|-------------------|-------------------|-------------------|
| adobename | function | linebreaks | table |
| bidirectional | data table | S ai | |
| blockrange | function | S al | |
| blocks | data table | S b2 | |
| casemap | table | S ba | |
| categories | data table | S bb | |
| category | function | S bk | |
| categorytags | data table | S cb | |
| classifiers | 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 | |
| detailltags | data table | S h3 | |
| directions | table | S hl | |
| encodes | data table | S hy | |
| entities | data table | S id | |
| fallbacks | data table | S in | |
| filters | data table | S is | |
| fractions | table | S jl | |
| fromnumber | function | S jt | |
| fschars | data table | S jv | |
| fscodes | data table | S lf | |
| getrange | function | S nl | |
| graphemes | data table | S ns | |
| hangul | data table | S nu | |
| initialize | function | S op | |
| is_character | data table | S po | |
| is_command | data table | S pr | |
| is_letter | data table | S qu | |
| is_mark | data table | S ri | |
| is_punctuation | data table | S sa | |
| is_spacing | data table | S sg | |
| lcchars | data table | S sp | |
| lccode | function | S sy | |
| lccodes | data table | S wj | |
| lettered | function | S xx | |

| | | | |
|------------------------------|------------|---------------------|------------|
| S zw | | T char | |
| 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_syllable | 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 |

chemistry (context)

| | |
|-----------------------|------------|
| component | function |
| define | function |
| definitions | data table |
| format | string |
| inlinechemical | function |
| instance | string |
| method | string |

| | |
|-----------------------|----------|
| molecule | function |
| moleculeparser | userdata |
| start | function |
| stop | function |
| structures | number |
| undefine | function |

containers (context)

cleannname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
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 | | |
| decimals | function | D data | |
| define | function | F translate | |
| hexstringtonumber | function | weekday | function |
| hour | function | word | function |
| i | function | words | function |
| | | year | function |

coroutine (basic lua)

create function
resume function
running function

status function
wrap function
yield function

ctxrunner (context)

| | | | |
|---------------------|----------|------------------|------------|
| load | function | prepfiles | data table |
| preparedfile | function | resolve | function |

debug (basic lua)

| | |
|---------------------|----------|
| debug | function |
| gethook | function |
| getinfo | function |
| getlocal | function |
| getmetatable | function |
| getregistry | function |
| getupvalue | function |
| getuservalue | function |

| | |
|---------------------|----------|
| sethook | function |
| setlocal | function |
| setmetatable | function |
| setupvalue | function |
| setuservalue | function |
| traceback | function |
| upvalueid | function |
| upvaluejoin | function |

dir (context)

| | |
|-----------------------|----------|
| collectpattern | function |
| current | function |
| expandname | function |
| found | function |
| glob | function |
| globdirs | function |
| globfiles | function |

| | |
|--------------------|----------|
| globpattern | function |
| ls | function |
| makedirs | function |
| mkdirs | function |
| pop | function |
| push | function |

directives (context)

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

document (context)

| | | | | |
|--------------------|------------|---------------------------|-----------|------------|
| arguments | data table | | D modes | |
| files | table | | D modules | |
| functions | table | setargument | | function |
| getargument | function | setcommandline | | function |
| getfilename | function | setdefaultargument | | function |
| options | table | setenvironments | | function |
| T commandline | | setfilename | | function |
| D environments | | setfilenames | | function |
| D modes | | setmodes | | function |
| D modules | | setmodules | | function |
| T ctxfile | | variables | | data table |
| D environments | | | | |

environment (context)

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

epdf (extra tex)

Array function
Attribute function
AttributeOwner_Type function
Attribute_Type function
Dict function
Object function

PDFRectangle function
StructElement_Type function
open overloaded function
openMemStream function
type function

experiments (context)

| | |
|----------------|------------|
| data | data table |
| default | function |
| disable | function |
| enable | function |
| list | function |
| name | string |

| | |
|-----------------|----------|
| register | function |
| report | function |
| reset | function |
| show | function |
| value | function |

figures (context)

| | | | |
|-------------------------|------------|-------------------------|------------|
| applyratio | function | F ofindex | |
| badname | function | F package | |
| bases | data table | F print | |
| bitmapimage | function | F scan | |
| boxnumber | number | F serialize | |
| cachepaths | data table | F totable | |
| check | function | F types | |
| checkers | data table | F write | |
| converters | data table | include | function |
| current | function | includes | data table |
| defaultdepth | number | initialize | function |
| defaultheight | number | loaded | data table |
| defaultsearch | boolean | localpaths | data table |
| defaultwidth | number | magics | data table |
| done | function | mergegoodies | function |
| dummy | function | nofprocessed | number |
| exists | data table | order | data table |
| exists | function | paths | data table |
| formats | data table | patterns | data table |
| found | data table | pop | function |
| get | function | preferquality | boolean |
| getrealpage | function | programs | data table |
| guess | function | push | function |
| hash | function | registerpattern | function |
| identifiers | data table | registerresource | function |
| identify | function | registersuffix | function |
| images | table | resources | data table |
| F boxes | | scale | function |
| F check | | set | function |
| F checksize | | setlookups | function |
| F clone | | setmemstream | function |
| F copy | | setorder | function |
| F immediatewrite | | setpaths | function |
| F keys | | suffixes | data table |
| F new | | used | data table |
| F node | | | |

file (basic lua)

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

| | |
|----------------------|----------|
| needsupdating | function |
| pathpart | function |
| readdata | function |
| removesuffix | function |
| replacesuffix | function |
| reslash | function |
| robustname | function |
| savechecksum | function |
| savedata | function |
| size | function |
| splitbase | function |
| splitname | function |
| splitpath | function |
| strip | function |
| suffix | function |
| suffixes | function |
| suffixesonly | function |
| suffixonly | function |
| syncmtimes | 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 cleanupable

F collectprocessors

F currentfonthasfeature

D designsizes

D dontembed

F enhanceparameters

T enhancers

T afm

F apply

F patch

T patches

F register

F register

T otf

F addfeature

F apply

F enhance

| | |
|-----------------------|---|
| F patch | F alternate |
| T patches | F chainposition |
| F register | F chainsubstitution |
| F register | F kern |
| T tfm | F ligature |
| F apply | F multiple |
| F patch | F pair |
| T patches | F substitution |
| F register | F register |
| F register | S stepkey |
| N factor | F dataset |
| T features | S defaultbasealternate |
| D afm | S defaultnodealternate |
| D otf | D features |
| D tfm | F featuresprocessor |
| F finalize | F getactualtext |
| F getfeatureaction | F getalternate |
| T handlers | F getgsub |
| T afm | F getkern |
| B autoprefixed | F getmultiple |
| D cache | F getsubstitution |
| D features | T handlers |
| F getkern | F devanagari_remove_joiners |
| T helpdata | F devanagari_reorder_matras |
| D bothkerned | F devanagari_reorder_pre_base_reordering_consonants |
| D leftkerned | F devanagari_reorder_reph |
| D ligatures | F gpos_context |
| D rightkerned | F gpos_contextchain |
| D texligatures | F gpos_cursive |
| F load | F gpos_mark2base |
| T readers | F gpos_mark2ligature |
| F getinfo | F gpos_mark2mark |
| F loadfont | F gpos_pair |
| F loadshapes | F gpos_single |
| F setfeatures | F gsub_alternate |
| B syncspace | F gsub_context |
| N version | F gsub_contextchain |
| T otf | F gsub_ligature |
| F addfeature | F gsub_multiple |
| F basemodeinitializer | F gsub_reversecontextchain |
| D cache | F gsub_single |
| F collectlookups | F trigger_space_kerns |
| T coverup | F load |
| T actions | F modeinitializer |

| | |
|------------------------|---------------------|
| F nodemodetinitializer | F readcardinal1 |
| D pdfcache | F readcardinal2 |
| T readers | F readcardinal3 |
| F addunicodetable | F readcardinal4 |
| F cff | F readchar |
| F checkhash | F readfixed4 |
| F cmap | F readinteger |
| F colr | F readinteger1 |
| F compact | F readinteger2 |
| F cpal | F readinteger3 |
| F expand | F readinteger4 |
| F extend | F readstring |
| F gdef | F readtag |
| F getcomponents | F setposition |
| F getinfo | F size |
| F glyf | F skip |
| F gpos | F skiplong |
| F gsub | F skipshort |
| F head | F writebyte |
| F hhea | F writecardinal2 |
| F hmtx | F writecardinal4 |
| F kern | F writestring |
| F loadfont | F svg |
| F loadshapes | N tableversion |
| F loca | F unifymissing |
| F math | F unpack |
| F maxp | F woff2otf |
| F name | F scriptandlanguage |
| F os/2 | F setdynamics |
| F pack | F setfeatures |
| F parsecharstrings | T statistics |
| F post | D usedfeatures |
| F registerextender | T svg |
| F rehash | F filterglyph |
| T streamreader | F storepdfdata |
| F close | F topdf |
| F getposition | D svgcache |
| F getsizes | B svgenabled |
| F look | T tables |
| F open | D baselines |
| F read2dot14 | D features |
| F readbyte | D featuretypes |
| F readbytes | D languages |
| F readcardinal | D scripts |

| | |
|----------------------|--------------------------|
| N version | S auto |
| T pfb | S quad |
| F loadvector | S scaledpoints |
| T tfm | S scriptpercentage |
| F addtounicode | S scriptscriptpercentage |
| D features | S size |
| N maxnestingdepth | S slantfactor |
| N maxnestingsize | S slantperpoint |
| F reencode | T spacing |
| F setfeatures | S extra |
| N version | S shrink |
| T vf | S stretch |
| T combinations | S width |
| F combine | S units |
| T combiner | S vfactor |
| D commands | S xheight |
| D helpers | T properties |
| D math | S autoitalicamount |
| D predefined | S cidinfo |
| N version | S embedding |
| D whatever | S encodingbytes |
| F hashfeatures | S filename |
| F hashinstance | S finalized |
| T hashmethods | S fontname |
| F normal | S format |
| F virtual | S fullname |
| F initializefeatures | S hasitalics |
| T keys | S hasmath |
| T characters | S mathitalics |
| T descriptions | S mode |
| T parameters | S name |
| S ascender | S noglyphnames |
| S descender | S nostackmath |
| S designsize | S psname |
| T expansion | S textitalics |
| S auto | S virtualized |
| S shrink | D loadedfonts |
| S step | S namemode |
| S stretch | N noffontsloaded |
| S extendfactor | N nofsharedfonts |
| S factor | N nofsharedhashes |
| S hfactor | N nofsharedvectors |
| S mathsize | N privateoffset |
| T protrusion | D privateslots |

| | | |
|-----------------------|----------|---------------------|
| F readanddefine | | D extras |
| F registerfeature | | D names |
| F resetfeature | | T synonyms |
| B resolvevirtualtoo | | N Acyrillic |
| F scale | | N Becyrillic |
| F scaled | | N Cdot |
| F setfactor | | N Checyrillic |
| F setfeature | | N Decyrillic |
| F setname | | N Djecyrillic |
| B sharefonts | | N Dzecyrillic |
| F trytosharefont | | N Dzhecyrillic |
| N version | | N Ecyrillic |
| current | function | N Edot |
| currentid | function | N Efcyrillic |
| definers | table | N Elcyrillic |
| F addlookup | | N Emcyrillic |
| F analyze | | N Encyrillic |
| F applypostprocessors | | N Ercyrillic |
| F checkedmode | | N Ereversedcyrillic |
| F checkedscript | | N Escyrillic |
| F current | | N Fitacyrillic |
| S defaultlookup | | N Gcedilla |
| F define | | N Gdot |
| F getspecification | | N Gecyrillic |
| F internal | | N Gheupturncyrillic |
| F loadfont | | N Gjecyrillic |
| F makespecification | | N Hardsigncyrillic |
| T methods | | N IAcyrillic |
| F install | | N IUcyrillic |
| D variants | | N Icyrillic |
| F read | | N Idot |
| F register | | N Iecyrillic |
| F registered | | N Iicyrillic |
| F registersplit | | N Iishortcyrillic |
| F resetnullfont | | N Iocyrillic |
| F resolve | | N Izhitsacyrillic |
| T resolvers | | N Jecyrillic |
| F file | | N Kacyrillic |
| F name | | N Kcedilla |
| F spec | | N Khacyrillic |
| definetypeface | function | N Kjecyrillic |
| encodings | table | N Lcedilla |
| T agl | | N Ljecyrillic |
| D ctxcodes | | N Ncedilla |

| | |
|-----------------------------|---------------------------|
| N Njecyrillic | N blacksmilingface |
| N Ocyrillic | N blacksquare |
| N Odblacute | N blackuppointingtriangle |
| N Ohm | N bulletinverse |
| N Pecyrillic | N cdot |
| N Rcedilla | N compass |
| N Shacyrillic | N dagesh |
| N Shchacyrillic | N dalet |
| N Softsigncyrillic | N daletdagesh |
| N Tcedilla | N daletthatafpatah |
| N Tecyrillic | N daletthatafpatahhebrew |
| N Tsecyrillic | N daletthatafsegol |
| N Tshecyrillic | N daletthatafsegolhebrew |
| N Ucyrillic | N dalethebrew |
| N Udblacute | N dalethiriq |
| N Ushortcyrillic | N dalethiriqhebrew |
| N Vecyrillic | N dalettholam |
| N Yatcyrillic | N dalettholamhebrew |
| N Yericyrillic | N daletpatah |
| N Yicyrillic | N daletpatahhebrew |
| N Zdot | N daletqamats |
| N Zecyrillic | N daletqamatshebrew |
| N Zhecyrillic | N daletqubuts |
| N acutecmb | N daletqubutshebrew |
| N acyrillic | N daletsegol |
| N afii00208 | N daletsegolhebrew |
| N afii08941 | N daletsheva |
| N afii57694 | N daletshevahebrew |
| N afii57695 | N dalettsera |
| N afii57700 | N dammaarabic |
| N afii57705 | N dammatanaltonearabic |
| N afii57723 | N dargahebrew |
| N alef | N dbllowline |
| N alefmaksurainitialarabic | N decimalseparatorarabic |
| N alefmaksuramedialarabic | N dialytikatonos |
| N approximatelyequal | N dotbelowcmb |
| N asteriskaltonearabic | N doubleyodpatah |
| N ayin | N doubleyodpatahhebrew |
| N bet | N edot |
| N betdagesh | N eightarabic |
| N blackdownpointingtriangle | N eighthnotebeamed |
| N blackleftpointingpointer | N etnahtafoukhhebrew |
| N blackrectangle | N etnahtafoukhlefthebrew |
| N blackrightpointingpointer | N etnahtahebrew |

| | |
|----------------------------|----------------------------------|
| N fathaarabic | N hatafsegol24 |
| N finalkaf | N hatafsegol30 |
| N finalkafdagesh | N hatafsegolhebrew |
| N finalkafhebrew | N hatafsegolnarrowhebrew |
| N finalkafqamats | N hatafsegolquarterhebrew |
| N finalkafqamatshebrew | N he |
| N finalkafsheva | N hedagesh |
| N finalmem | N hehfinalalttwoarabic |
| N finalnun | N het |
| N finalpe | N hiriq |
| N finaltsadi | N hiriq14 |
| N fivearabic | N hiriq21 |
| N forall | N hiriq2d |
| N fourarabic | N hiriqhebrew |
| N gcedilla | N hiriqnarrowhebrew |
| N gdot | N hiriqquarterhebrew |
| N gimel | N holam |
| N gimeldagesh | N holam19 |
| N gravecmb | N holam26 |
| N haaltonearabic | N holam32 |
| N hamzaarabic | N holamhebrew |
| N hamzadammaarabic | N holamnarrowhebrew |
| N hamzadammatanarabic | N holamquarterhebrew |
| N hamzafathaarabic | N ilde |
| N hamzafathatanarabic | N integralbottom |
| N hamzalowarabic | N integraltop |
| N hamzalowkasraarabic | N kaf |
| N hamzalowkasratanarabic | N kafdagesh |
| N hatafpatah | N kashidaautoarabic |
| N hatafpatah16 | N kashidaautonosidebearingarabic |
| N hatafpatah23 | N kcedilla |
| N hatafpatah2f | N lamed |
| N hatafpatahhebrew | N lameddagesh |
| N hatafpatahnarrowhebrew | N lamedhebrew |
| N hatafpatahquarterhebrew | N lamedholam |
| N hatafqamats | N lamedholamdagesh |
| N hatafqamats1b | N lamedholamdageshhebrew |
| N hatafqamats28 | N laminitialarabic |
| N hatafqamats34 | N lammeemjeeminitialarabic |
| N hatafqamatshebrew | N lcedilla |
| N hatafqamatsnarrowhebrew | N logicalnotreversed |
| N hatafqamatsquarterhebrew | N mahapakhhebrew |
| N hatafsegol | N mem |
| N hatafsegol17 | N memdagesh |

N merkhahebrew
N merkhakefulahebrew
N middot
N munahhebrew
N nbspace
N ncedilla
N newsheqelsign
N ninearabic
N noonhehinitialarabic
N nun
N nundagesh
N odblacute
N onearabic
N overscore
N patah
N patahl1
N patahl1d
N patah2a
N patahhebrew
N patahnarrowhebrew
N patahquarterhebrew
N pe
N pedagesh
N qamats
N qamats10
N qamats1a
N qamats1c
N qamats27
N qamats29
N qamats33
N qamatsde
N qamatshebrew
N qamatsnarrowhebrew
N qamatsqatanhebrew
N qamatsqatanannarrowhebrew
N qamatsqatanquarterhebrew
N qamatsqatanwidehebrew
N qamatsquarterhebrew
N qof
N qofdagesh
N qofhatafpatah
N qofhatafpatahhebrew
N qofhatafsegol
N qofhatafsegolhebrew

N qofhebrew
N qofhiriq
N qofhiriqhebrew
N qofholam
N qofholamhebrew
N qofpatah
N qofpatahhebrew
N qofqamats
N qofqamatshebrew
N qofqubuts
N qofqubutshebrew
N qofsegol
N qofsegolhebrew
N qofsheva
N qofshevahebrew
N qoftsere
N qubuts
N qubuts18
N qubuts25
N qubuts31
N qubutshebrew
N qubutsnarrowhebrew
N qubutsquarterhebrew
N quoteleftreversed
N rafe
N rcedilla
N reharabic
N resh
N reshhatafpatah
N reshhatafpatahhebrew
N reshhatafsegol
N reshhatafsegolhebrew
N reshhebrew
N reshhiriq
N reshhiriqhebrew
N ressholam
N ressholamhebrew
N reshpatah
N reshpatahhebrew
N reshqamats
N reshqamatshebrew
N reshqubuts
N reshqubutshebrew
N reshsegol

| | |
|----------------------------|-----------------------|
| N reshsegolhebrew | N tildecmb |
| N reshsheva | N tipehahebrew |
| N reshshevahebrew | N tsadi |
| N reshtsere | N tsadidagesh |
| N reviahebrew | N tsere |
| N samekh | N tsere12 |
| N samekhdagesh | N tsere1e |
| N segol | N tsere2b |
| N segol13 | N tserehebrew |
| N segol1f | N tserenarrowhebrew |
| N segol2c | N tserequarterhebrew |
| N segolhebrew | N twoarabic |
| N segolnarrowhebrew | N udblacute |
| N segolquarterhebrew | N vav |
| N sevenarabic | N vavdagesh |
| N sfthyphen | N vavdagesh65 |
| N shaddaarabic | N vavholam |
| N sheqel | N yerahbenyomohebrew |
| N sheva | N yod |
| N sheva115 | N yoddagesh |
| N sheva15 | N zayin |
| N sheva22 | N zayindagesh |
| N sheva2e | N zdot |
| N shevahebrew | N zeroarabic |
| N shevanarrowhebrew | D unicodes |
| N shevaquarterhebrew | D cache |
| N shin | T ctxcodes |
| N shindagesh | N AEacute |
| N shindageshshindot | N AEligature |
| N shindageshsindot | N AEmacron |
| N shinshindot | N Aacute |
| N shinsindot | N Abreve |
| N siluqhebrew | N Abreveacute |
| N sixarabic | N Abrevedotbelow |
| N tav | N Abrevegrave |
| N tavgages | N Abrevehook |
| N tavgagesh | N Abrevetilde |
| N tcedilla | N Acaron |
| N tchehinitialarabic | N Acircumflex |
| N tet | N Acircumflexacute |
| N tetdagesh | N Acircumflexdotbelow |
| N tevirhebrew | N Acircumflexgrave |
| N thousandsseparatorarabic | N Acircumflexhook |
| N threearabic | N Acircumflextilde |

N Adiaeresis
N Adiaeresismacron
N Adotaccent
N Adotaccentmacron
N Adotbelow
N Adoublegrave
N Agrave
N Ahook
N Ainvertedbreve
N Amacron
N Aogonek
N Aring
N Aringacute
N Astroke
N Atilde
N Bhook
N Cacute
N Ccaron
N Ccedilla
N Ccircumflex
N Cdotaccent
N Chook
N Cstroke
N DZcaronligature
N DZligature
N Dafrican
N Dcaron
N Dhook
N Dstroke
N Dzcaronligature
N Dzligature
N Eacute
N Ebreve
N Ecaron
N Ecedilla
N Ecircumflex
N Ecircumflexacute
N Ecircumflexdotbelow
N Ecircumflexgrave
N Ecircumflexhook
N Ecircumflextilde
N Ediaeresis
N Edotaccent
N Edotbelow

N Edoublegrave
N Egrave
N Ehook
N Einvertedbreve
N Emacron
N Eogonek
N Eth
N Etilde
N Fhook
N Gacute
N Gbreve
N Gcaron
N Gcircumflex
N Gcommaaccent
N Gdotaccent
N Ghook
N Gstroke
N Hcaron
N Hcircumflex
N Hstroke
N IJligature
N Iacute
N Ibreve
N Icaron
N Icircumflex
N Idiaeresis
N Idotaccent
N Idotbelow
N Idoublegrave
N Igrave
N Ihook
N Iinvertedbreve
N Imacron
N Iogonek
N Istroke
N Itilde
N Jcircumflex
N Kcaron
N Kcommaaccent
N Khook
N LJligature
N Lacute
N Lbar
N Lcaron

N Lcommaaccent
N Ldotmiddle
N Ljligature
N Lstroke
N NJligature
N Nacute
N Ncaron
N Ncommaaccent
N Neng
N Ngrave
N Njligature
N Ntilde
N OEligature
N Oacute
N Obreve
N Ocaron
N Ocircumflex
N Ocircumflexacute
N Ocircumflexdotbelow
N Ocircumflexgrave
N Ocircumflexhook
N Ocircumflextilde
N Odiaeresis
N Odiaeresismacron
N Odotaccent
N Odotaccentmacron
N Odotbelow
N Odoublegrave
N Ograve
N Ohook
N Ohorn
N Ohornacute
N Ohorndotbelow
N Ohorngrave
N Ohornhook
N Ohorntilde
N Ohungarumlaut
N Oinvertedbreve
N Omacron
N Oogonek
N Oogonekmacron
N Ostroke
N Ostrokeacute
N Otilde

N Otildemacron
N Phook
N Racute
N Rcaron
N Rcommaaccent
N Rdoublegrave
N Rinvertedbreve
N Sacute
N Scaron
N Scedilla
N Schwa
N Scircumflex
N Scommaaccent
N Tcaron
N Tcedilla
N Tcommaaccent
N Thook
N Thorn
N Tstroke
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 atilde |
| N Yacute | N bhook |
| N Ycircumflex | N breakablethinspace |
| N Ydiaeresis | N bstroke |
| N Ydotbelow | N cacute |
| N Ygrave | N carriagereturn |
| N Yhook | N ccaron |
| N Ymacron | N ccedilla |
| N Ytilde | N ccircumflex |
| N Zacute | N ccurl |
| N Zcaron | N cdotaccent |
| N Zdotaccent | N chook |
| N Zhook | N copyright |
| N Zstroke | N cstroke |
| N aacute | N cyrillicA |
| N abreve | N cyrillicAE |
| N abreveacute | N cyrillicAbreve |
| N abrevedotbelow | N cyrillicAdiaeresis |
| N abrevegrave | N cyrillicB |
| N abrevehook | N cyrillicBIGYUS |
| N abrevetilde | N cyrillicBIGYUSiotified |
| N acaron | N cyrillicC |
| N acircumflex | N cyrillicCH |
| N acircumflexacute | N cyrillicCHEDC |
| N acircumflexdotbelow | N cyrillicCHEDCabkhasian |
| N acircumflexgrave | N cyrillicCHEabkhasian |
| N acircumflexhook | N cyrillicCHEdiaeresis |
| N acircumflextilde | N cyrillicCHEkhakassian |
| N adiaeresis | N cyrillicCHEvertstroke |
| N adiaeresismacron | N cyrillicD |
| N adotaccent | N cyrillicDASIAPNEUMATA |
| N adotaccentmacron | N cyrillicDJE |
| N adotbelow | N cyrillicDZE |
| N adoublegrave | N cyrillicDZEabkhasian |
| N aacute | N cyrillicDZHE |
| N aeligature | N cyrillicE |
| N aemacron | N cyrillicELtail |
| N agrave | N cyrillicEMtail |
| N ahook | N cyrillicENDC |
| N ainvertedbreve | N cyrillicENGHE |
| N amacron | N cyrillicENhook |
| N aogonek | N cyrillicENTail |
| N aring | N cyrillicEREV |
| N aringacute | N cyrillicERY |

N cyrillicERTick
N cyrillicEbreve
N cyrillicEdiaeresis
N cyrillicEgrave
N cyrillicEiotified
N cyrillicF
N cyrillicFITA
N cyrillicG
N cyrillicGHEmidhook
N cyrillicGHEstroke
N cyrillicGHEupturn
N cyrillicGJE
N cyrillicH
N cyrillicHA
N cyrillicHADC
N cyrillicHRDSN
N cyrillicI
N cyrillicIE
N cyrillicII
N cyrillicISHRT
N cyrillicISHRTtail
N cyrillicIZHITSA
N cyrillicIZHITSAdoublegrave
N cyrillicIdiaeresis
N cyrillicIgrave
N cyrillicImacron
N cyrillicJE
N cyrillicK
N cyrillicKADC
N cyrillicKAbashkir
N cyrillicKAhook
N cyrillicKAstroke
N cyrillicKAvertstroke
N cyrillicKJE
N cyrillicKOPPA
N cyrillicKSI
N cyrillicL
N cyrillicLITTLEYUS
N cyrillicLITTLEYUSiotified
N cyrillicLJE
N cyrillicM
N cyrillicN
N cyrillicNJE
N cyrillicO

N cyrillicOMEGA
N cyrillicOMEGARound
N cyrillicOMEGAtitlo
N cyrillicOT
N cyrillicObarred
N cyrillicObarreddiaeresis
N cyrillicOdiaeresis
N cyrillicP
N cyrillicPALATALIZATION
N cyrillicPALOCHKA
N cyrillicPEmidhook
N cyrillicPSI
N cyrillicPSILIPNEUMATA
N cyrillicR
N cyrillicS
N cyrillicSCHWA
N cyrillicSCHWAdiaeresis
N cyrillicSDSC
N cyrillicSEMIISOFT
N cyrillicSFTSN
N cyrillicSH
N cyrillicSHCH
N cyrillicSHHA
N cyrillicT
N cyrillicTEDC
N cyrillicTETSE
N cyrillicTITLO
N cyrillicTSHE
N cyrillicU
N cyrillicUK
N cyrillicUSHRT
N cyrillicUdiaeresis
N cyrillicUdoubleacute
N cyrillicUmacron
N cyrillicV
N cyrillicYA
N cyrillicYAT
N cyrillicYERUdiaeresis
N cyrillicYI
N cyrillicYO
N cyrillicYU
N cyrillicYstr
N cyrillicYstrstroke
N cyrillicZ

N cyrillicZDSC
N cyrillicZEdiaeresis
N cyrillicZH
N cyrillicZHEbreve
N cyrillicZHEdescender
N cyrillicZHEdiaeresis
N cyrillica
N cyrillicabreve
N cyrillicadiaeresis
N cyrillicae
N cyrillicb
N cyrillicbigyus
N cyrillicbigyusiotified
N cyrillicc
N cyrillicch
N cyrilliccheabkhasian
N cyrillicchedc
N cyrillicchedcabkhasian
N cyrillicchediaeresis
N cyrillicchekhakassian
N cyrillicchevertstroke
N cyrillicd
N cyrillicdje
N cyrillicdze
N cyrillicdzeabkhasian
N cyrillicdzhe
N cyrillice
N cyrillicebreve
N cyrillicediaeresis
N cyrillicegrave
N cyrilliceiotified
N cyrilliceltail
N cyrillicemtail
N cyrillicencd
N cyrillicenghe
N cyrillicenhook
N cyrillicentail
N cyrillicerev
N cyrillicertick
N cyrillicery
N cyrillicf
N cyrillicfita
N cyrillicg
N cyrillicghemidhook

N cyrillicghestroke
N cyrillicgheupturn
N cyrillicgje
N cyrillich
N cyrillicha
N cyrillichadc
N cyrillichrdsn
N cyrillicici
N cyrillicidiaeresis
N cyrillicie
N cyrillicigrave
N cyrillicii
N cyrillicimacron
N cyrillicishrt
N cyrillicishrttail
N cyrillicizhitsa
N cyrillicizhitsadoublegrave
N cyrillicje
N cyrillick
N cyrillickabashkir
N cyrillickadc
N cyrillickahook
N cyrillickastroke
N cyrillickavertstroke
N cyrillickje
N cyrillickoppa
N cyrillicksi
N cyrillicl
N cyrilliclittleyus
N cyrilliclittleyusiotified
N cyrilliclje
N cyrillicm
N cyrillicn
N cyrillicnje
N cyrillico
N cyrillicobarred
N cyrillicobarreddiaeresis
N cyrillicodiaeresis
N cyrillicomega
N cyrillicomegaround
N cyrillicomegatitlo
N cyrillicot
N cyrillicp
N cyrillicpemidhook

N cyrillicpsi
N cyrillicr
N cyrillics
N cyrillicschwa
N cyrillicschwadiaeresis
N cyrillicsdsc
N cyrillicsemisoft
N cyrillicsftsn
N cyrillicsh
N cyrillicshch
N cyrillicshha
N cyrillict
N cyrillictedc
N cyrillictetse
N cyrillictshe
N cyrillicu
N cyrillicudiaeresis
N cyrillicudoubleacute
N cyrillicuk
N cyrillicumacron
N cyrillicushrt
N cyrillicv
N cyrillicya
N cyrillicyat
N cyrillicyerudiaeresis
N cyrillicyi
N cyrillicyo
N cyrillicystr
N cyrillicystrstroke
N cyrillicyu
N cyrillicz
N cyrilliczdsc
N cyrilliczediaeresis
N cyrilliczh
N cyrilliczhebreve
N cyrilliczhedescender
N cyrilliczhediaeresis
N dcaron
N dcurl
N dhook
N dotlessI
N dotlessJ
N dotlessi
N dotlessj

N dotlessjstroke
N dstroke
N dtail
N dzcaronligature
N dzligature
N eacute
N ebreve
N ecaron
N ecedilla
N ecircumflex
N ecircumflexacute
N ecircumflexdotbelow
N ecircumflexgrave
N ecircumflexhook
N ecircumflextilde
N ediaeresis
N edotaccent
N edotbelow
N edoublegrave
N egrave
N ehook
N einvertedbreve
N emacron
N emdash
N emspace
N endash
N enspace
N eogonek
N etilde
N exclamdown
N ffligature
N ffligature
N fhook
N figurespace
N filigature
N fiveeighths
N fivesixths
N fligature
N fourfifths
N fourperemspace
N gacute
N gbreve
N gcaron

| | |
|-------------------------------------|-------------------------------------|
| N gcircumflex | N greekEtaiotasubdasia |
| N gcommaaccent | N greekEtaiotasubdasiaperispomeni |
| N gdotaccent | N greekEtaiotasubdasiatonos |
| N greekAlpha | N greekEtaiotasubdasiavaria |
| N greekAlphadasia | N greekEtaiotasubpsili |
| N greekAlphadasiaperispomeni | N greekEtaiotasubpsiliperispomeni |
| N greekAlphadasiatonos | N greekEtaiotasubpsilitonos |
| N greekAlphadasiavaria | N greekEtaiotasubpsilivaria |
| N greekAlphaiotasub | N greekEtapsili |
| N greekAlphaiotasubdasia | N greekEtapsiliperispomeni |
| N greekAlphaiotasubdasiaperispomeni | N greekEtapsilitonos |
| N greekAlphaiotasubdasiatonos | N greekEtapsilivaria |
| N greekAlphaiotasubdasiavaria | N greekEtatonos |
| N greekAlphaiotasubpsili | N greekEtavaria |
| N greekAlphaiotasubpsiliperispomeni | N greekGamma |
| N greekAlphaiotasubpsilitonos | N greekIota |
| N greekAlphaiotasubpsilivaria | N greekIotadasia |
| N greekAlphamacron | N greekIotadasiaperispomeni |
| N greekAlphapsili | N greekIotadasiatonos |
| N greekAlphapsiliperispomeni | N greekIotadasiavaria |
| N greekAlphapsilitonos | N greekIotadialytika |
| N greekAlphapsilivaria | N greekIotamacron |
| N greekAlphatonos | N greekIotapsili |
| N greekAlphavaria | N greekIotapsiliperispomeni |
| N greekAlphavrachy | N greekIotapsilitonos |
| N greekBeta | N greekIotapsilivaria |
| N greekChi | N greekIotatonos |
| N greekCoronis | N greekIotavaria |
| N greekDelta | N greekIotavrachy |
| N greekEpsilon | N greekKappa |
| N greekEpsilondasia | N greekLambda |
| N greekEpsilondasiatonos | N greekMu |
| N greekEpsilondasiavaria | N greekNu |
| N greekEpsilonpsili | N greekOmega |
| N greekEpsilonpsilitonos | N greekOmegadasia |
| N greekEpsilonpsilivaria | N greekOmegadasiaperispomeni |
| N greekEpsilontonos | N greekOmegadasiatonos |
| N greekEpsilonvaria | N greekOmegadasiavaria |
| N greekEta | N greekOmegaiotasub |
| N greekEtadasia | N greekOmegaiotasubdasia |
| N greekEtadasiaperispomeni | N greekOmegaiotasubdasiaperispomeni |
| N greekEtadasiatonos | N greekOmegaiotasubdasiatonos |
| N greekEtadasiavaria | N greekOmegaiotasubdasiavaria |
| N greekEtaiotasub | N greekOmegaiotasubpsili |

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| N greek0Megaiotasubpsiliperispomeni | N greekalphaiotasub |
| N greek0Megaiotasubpsilitonos | N greekalphaiotasubdasia |
| N greek0Megaiotasubpsilivaria | N greekalphaiotasubdasiaperispomeni |
| N greek0Megapsili | N greekalphaiotasubdasiatonos |
| N greek0Megapsiliperispomeni | N greekalphaiotasubdasiavaria |
| N greek0Megapsilitonos | N greekalphaiotasubperispomeni |
| N greek0Megapsilivaria | N greekalphaiotasubpsili |
| N greek0Megatonos | N greekalphaiotasubpsiliperispomeni |
| N greek0Megavaria | N greekalphaiotasubpsilitonos |
| N greek0Micron | N greekalphaiotasubpsilivaria |
| N greek0Microndasia | N greekalphaiotasubtonos |
| N greek0Microndasiatonos | N greekalphaiotasubvaria |
| N greek0Microndasiavaria | N greekalphamacron |
| N greek0Micronpsili | N greekalphaoxia |
| N greek0Micronpsilitonos | N greekalphaperispomeni |
| N greek0Micronpsilivaria | N greekalphapsili |
| N greek0Microntonos | N greekalphapsiliperispomeni |
| N greek0Micronvaria | N greekalphapsilitonos |
| N greekPhi | N greekalphapsilivaria |
| N greekPi | N greekalphatonos |
| N greekPsi | N greekalphavaria |
| N greekRho | N greekalphavrachy |
| N greekRhodasia | N greekbeta |
| N greekSigma | N greekchi |
| N greekSigmaunate | N greekdasia |
| N greekTau | N greekdasiaperispomeni |
| N greekTheta | N greekdasiatonos |
| N greekUpsilon | N greekdasiavaria |
| N greekUpsilondasia | N greekdelta |
| N greekUpsilondasiaperispomeni | N greekdialytikaperispomeni |
| N greekUpsilondasiatonos | N greekdialytikatonos |
| N greekUpsilondasiavaria | N greekdialytikavaria |
| N greekUpsilondialytika | N greekdigamma |
| N greekUpsilonmacron | N greekepsilon |
| N greekUpsilonontonos | N greekepsilonalt |
| N greekUpsilonvaria | N greekepsilonondasia |
| N greekUpsilonvrachy | N greekepsilonondasiatonos |
| N greekXi | N greekepsilonondasiavaria |
| N greekZeta | N greekepsilonoxia |
| N greekalpha | N greekepsilonpsili |
| N greekalphadasia | N greekepsilonpsilitonos |
| N greekalphadasiaperispomeni | N greekepsilonpsilivaria |
| N greekalphadasiatonos | N greekepsilonontonos |
| N greekalphadasiavaria | N greekepsilonvaria |

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|-----------------------------------|-------------------------------------|
| N greeketa | N greekiotavaria |
| N greeketadasia | N greekiotavrachy |
| N greeketadasiaperispomeni | N greekkappa |
| N greeketadasiatonos | N greekkoppa |
| N greeketadasiavaria | N greeklambda |
| N greeketaiotasub | N greekmu |
| N greeketaiotasubdasia | N greeknu |
| N greeketaiotasubdasiaperispomeni | N greeknumkoppa |
| N greeketaiotasubdasiatonos | N greekomega |
| N greeketaiotasubdasiavaria | N greekomegadasia |
| N greeketaiotasubperispomeni | N greekomegadasiaaperispomeni |
| N greeketaiotasubpsili | N greekomegadasiatonos |
| N greeketaiotasubpsiliperispomeni | N greekomegadasiavaria |
| N greeketaiotasubpsilitonos | N greekomegaiotasub |
| N greeketaiotasubpsilivaria | N greekomegaiotasubdasia |
| N greeketaiotasubtonos | N greekomegaiotasubdasiaperispomeni |
| N greeketaiotasubvaria | N greekomegaiotasubdasiatonos |
| N greeketaoxia | N greekomegaiotasubdasiavaria |
| N greeketaperispomeni | N greekomegaiotasubperispomeni |
| N greeketapsili | N greekomegaiotasubpsili |
| N greeketapsiliperispomeni | N greekomegaiotasubpsiliperispomeni |
| N greeketapsilitonos | N greekomegaiotasubpsilitonos |
| N greeketapsilivaria | N greekomegaiotasubpsilivaria |
| N greeketatonos | N greekomegaiotasubtonos |
| N greeketavaria | N greekomegaiotasubvaria |
| N greekfinalsigma | N greekomegaoxia |
| N greekgamma | N greekomegaperispomeni |
| N greekiota | N greekomegapsili |
| N greekiotadasia | N greekomegapsiliperispomeni |
| N greekiotadasiaperispomeni | N greekomegapsilitonos |
| N greekiotadasiatonos | N greekomegapsilivaria |
| N greekiotadasiavaria | N greekomegatonos |
| N greekiotadialytika | N greekomegavaria |
| N greekiotadialytikaperispomeni | N greekomicron |
| N greekiotadialytikatonos | N greekomicrondasia |
| N greekiotadialytikavaria | N greekomicrondasiatonos |
| N greekiotamacron | N greekomicrondasiavaria |
| N greekiotaoxia | N greekomicronnoxia |
| N greekiotaperispomeni | N greekomicronpsili |
| N greekiotapsili | N greekomicronpsilitonos |
| N greekiotapsiliperispomeni | N greekomicronpsilivaria |
| N greekiotapsilitonos | N greekomicrontonos |
| N greekiotapsilivaria | N greekomicronvaria |
| N greekiotatonos | N greekoxia |

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|------------------------------------|----------------------------|
| N greekperispomeni | N greekzeta |
| N greekphi | N gstroke |
| N greekphialt | N guilsingleleft |
| N greekpi | N guilsingleright |
| N greekpialt | N hairspace |
| N greekprosgegrammeni | N hcaron |
| N greekpsi | N hcircumflex |
| N greekpsili | N hebrewAlef |
| N greekpsiliperispomeni | N hebrewAyin |
| N greekpsilitonos | N hebrewBet |
| N greekpsilivaria | N hebrewDalet |
| N greekrho | N hebrewGimel |
| N greekrhoalt | N hebrewHe |
| N greekrhodasia | N hebrewHet |
| N greekrhopsili | N hebrewKaf |
| N greeksampi | N hebrewKaffinal |
| N greeksigma | N hebrewLamed |
| N greeksigmalunate | N hebrewMem |
| N greekstigma | N hebrewMemfinal |
| N greektau | N hebrewNun |
| N greektheta | N hebrewNunfinal |
| N greekthetaalt | N hebrewPe |
| N greektonos | N hebrewPefinal |
| N greekupsilon | N hebrewQof |
| N greekupsilondasia | N hebrewResh |
| N greekupsilondasiaperispomeni | N hebrewSamekh |
| N greekupsilondasiatonos | N hebrewShin |
| N greekupsilondasiavaria | N hebrewTav |
| N greekupsilondiaeresis | N hebrewTet |
| N greekupsilondialytikaperispomeni | N hebrewTsadi |
| N greekupsilondialytikatonos | N hebrewTsadifinal |
| N greekupsilondialytikavaria | N hebrewVav |
| N greekupsilonmacron | N hebrewYod |
| N greekupsilonoxia | N hebrewZayin |
| N greekupsilonperispomeni | N hstroke |
| N greekupsilonpsili | N iacute |
| N greekupsilonpsiliperispomeni | N ibreve |
| N greekupsilonpsilitonos | N icaron |
| N greekupsilonpsilivaria | N icircumflex |
| N greekupsilontonos | N ideographichalffillspace |
| N greekupsilonvaria | N ideographicspace |
| N greekupsilonvrachy | N idiaeresis |
| N greekvaria | N idotaccent |
| N greekxi | N idotbelow |

N 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 ncommaaccent
N ncurl
N neng
N ngrave
N njligature
N nobreakspace
N ntilde
N oacute
N obreve
N ocaron
N ocircumflex
N ocircumflexacute
N ocircumflexdotbelow
N ocircumflexgrave
N ocircumflexhook
N ocircumflextilde

N odiaeresis
N odiaeresismacron
N odotaccent
N odotaccentmacron
N odotbelow
N odoublegrave
N oeligature
N ograve
N ohook
N ohorn
N ohornacute
N ohorndotbelow
N ohorngrave
N ohornhook
N ohorntilde
N ohungarumlaut
N oinvertedbreve
N omacron
N oneeighth
N onefifth
N onehalf
N onequarter
N onesixth
N onesuperior
N onethird
N oogonek
N oogonekmacron
N ordfeminine
N ordmasculine
N ostroke
N ostrokeacute
N otilde
N otildemacron
N paragraphmark
N periodcentered
N perthousand
N phook
N punctuationspace
N questiondown
N quotedbl
N quotedblbase
N quotedblleft
N quotedblright
N quoteleft

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|-------------------|-------------------|
| N quoteright | N scedilla |
| N quotesingle | N schwa |
| N quotesinglebase | N schwahook |
| N racute | N scircumflex |
| N rcaron | N scommaaccent |
| N rcommaaccent | N sectionmark |
| N rdoublegrave | N seveneighths |
| N registered | N sixperemspace |
| N rightguillemot | N slong |
| N rinvertedbreve | N softthyphen |
| N romanC | N ssharp |
| N romanD | N stligature |
| N romanI | N tcaron |
| N romanII | N tcedilla |
| N romanIII | N tcommaaccent |
| N romanIV | N tcurl |
| N romanIX | N textAngstrom |
| N romanL | N textacute |
| N romanM | N textampersand |
| N romanV | N textasciicircum |
| N romanVI | N textasciitilde |
| N romanVII | N textat |
| N romanVIII | N textbackslash |
| N romanX | N textbar |
| N romanXI | N textbottomcomma |
| N romanXII | N textbottomdot |
| N romanc | N textbraceleft |
| N romand | N textbraceright |
| N romani | N textbreve |
| N romanii | N textbrokenbar |
| N romaniii | N textbullet |
| N romaniv | N textcaron |
| N romanix | N textcedilla |
| N romanl | N textcelsius |
| N romanm | N textcent |
| N romanv | N textcircledP |
| N romanvi | N textcircumflex |
| N romanvii | N textcomma |
| N romanviii | N textcurrency |
| N romanx | N textdag |
| N romanxi | N textddag |
| N romanxii | N textdegree |
| N sacute | N textdiaeresis |
| N scaron | N textdiv |

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|---------------------|------------------------|
| N textdollar | N ubreve |
| N textdong | N ucaron |
| N textdotaccent | N ucircumflex |
| N textellipsis | N udiaeresis |
| N texteuro | N udiaeresisacute |
| N textfraction | N udiaeresiscaron |
| N textgrave | N udiaeresisgrave |
| N texthash | N udiaeresismacron |
| N texthorizontalbar | N udotbelow |
| N texthungarumlaut | N udoublegrave |
| N texthyphen | N ugrave |
| N textkelvin | N uhook |
| N textlognot | N uhorn |
| N textmacron | N uhornacute |
| N textmho | N uhorndotbelow |
| N textminus | N uhorngrave |
| N textmu | N uhornhook |
| N textmultiply | N uhorntilde |
| N textnumero | N uhungarumlaut |
| N textogonek | N uinvertedbreve |
| N textohm | N umacron |
| N textounce | N uogonek |
| N textpercent | N uring |
| N textperiod | N utilde |
| N textpm | N wcircumflex |
| N textring | N yacute |
| N textslash | N ycircumflex |
| N textsterling | N ydiaeresis |
| N texttilde | N ydotbelow |
| N textunderscore | N ygrave |
| N textyen | N yhook |
| N thook | N ymacron |
| N thorn | N ytilde |
| N threeeighths | N zacute |
| N threefifths | N zcaron |
| N threeperemspace | N zdotaccent |
| N threequarter | N zerowidthnobreospace |
| N threesuperior | N zerowidthspace |
| N trademark | N zhook |
| N tstroke | N zstroke |
| N twofifths | N zwj |
| N twosuperior | N zwnj |
| N twothirds | F is_known |
| N uacute | D known |

| | |
|------------------------|---------------------------------|
| F load | N Atilde |
| F make_unicode_vector | N Aybarmenian |
| D math | N B |
| T names | N Bcircle |
| T unicodes | N Bdotaccent |
| N A | N Bdotbelow |
| N AE | N Becyrillic |
| N AEacute | N Benarmenian |
| N AEmacron | N Beta |
| N Aacute | N Bhook |
| N Abreve | N Blinebelow |
| N Abreveacute | N Bmonospace |
| N Abrevecyrillic | N Btopbar |
| N Abrevedotbelow | N C |
| N Abrevegrave | N Caarmenian |
| N Abrevehookabove | N Cacute |
| N Abrevetilde | N Ccaron |
| N Acaron | N Ccedilla |
| N Acircle | N Ccedillaacute |
| N Acircumflex | N Ccircle |
| N Acircumflexacute | N Ccircumflex |
| N Acircumflexdotbelow | N Cdot |
| N Acircumflexgrave | N Cdotaccent |
| N Acircumflexhookabove | N Chaarmenian |
| N Acircumflextilde | N Cheabkhasiancyrillic |
| N Acyrillic | N Checyrillic |
| N Adblgrave | N Chedescenderabkhasiancyrillic |
| N Adieresis | N Chedescendercyrillic |
| N Adieresiscyrillic | N Chedieresiscyrillic |
| N Adieresismacron | N Cheharmenian |
| N Adotbelow | N Chekhakassiancyrillic |
| N Adotmacron | N Cheverticalstrokecyrillic |
| N Agrave | N Chi |
| N Ahookabove | N Chook |
| N Aiecyrillic | N Cmonospace |
| N Ainvertedbreve | N Coarmenian |
| N Alpha | N D |
| N Alphanotos | 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 Dcircumflexbelow
N Dcroat
N Ddotaccent
N Ddotbelow
N Decyrillic
N Deicoptic
N Delta
N Deltagreek
N Dhook
N Digammagreek
N Djecyrillic
N Dlinebelow
N Dmonospace
N Dslash
N Dtopbar
N Dz
N Dzcron
N Dzeabkhasiancyrillic
N Dzecyrillic
N Dzhecyrillic
N E
N Eacute
N Ebreve
N Ecaron
N Ecedillabreve
N Echarmenian
N Ecircle
N Ecircumflex
N Ecircumflexacute
N Ecircumflexbelow
N Ecircumflexdotbelow
N Ecircumflexgrave
N Ecircumflexhookabove
N Ecircumflextilde
N Ecyrillic
N Edblgrave
N Edieresis
N Edot
N Edotaccent
N Edotbelow
N Efcyrillic
N Egrave
N Eharmenian
N Ehookabove

N Eightroman
N Einvertedbreve
N Eiotifiedcyrillic
N Elcyrillic
N Elevenroman
N Emacron
N Emacronacute
N Emacrongrave
N Emcyrillic
N Emonospace
N Encyrillic
N Endescendercyrillic
N Eng
N Enghecyrillic
N Enhookcyrillic
N Egonek
N Eopen
N Epsilon
N Epsilontonos
N Ercyrillic
N Ereversed
N Ereversedcyrillic
N Escyrillic
N Esdescendercyrillic
N Esh
N Eta
N Etarmenian
N Etatonos
N Eth
N Etilde
N Etildebelow
N Euro
N Ezh
N Ezhcaron
N Ezhreversed
N F
N Fcircle
N Fdotaccent
N Feharmenian
N Feicoptic
N Fhook
N Fitacyrillic
N Fiveroman
N Fmonospace

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|-------------------------|---------------------------|
| N Fourroman | N Hmonospace |
| N G | N Hoarmenian |
| N GBsquare | N Horicoptic |
| N Gacute | N Hzsquare |
| N Gamma | N I |
| N Gammaafrican | N IAcyrillic |
| N Gangiacoptic | N IJ |
| N Gbreve | N IUcyrillic |
| N Gcaron | N Iacute |
| N Gcedilla | N Ibreve |
| N Gcircle | N Icaron |
| N Gcircumflex | N Icircle |
| N Gcommaaccent | N Icircumflex |
| N Gdot | N Icyrillic |
| N Gdotaccent | N Idblgrave |
| N Gecyrillic | N Idieresis |
| N Ghadarmenian | N Idieresisacute |
| N Ghemiddlehookcyrillic | N Idieresiscyrillic |
| N Ghestrokecyrillic | N Idot |
| N Gheupturncyrillic | N Idotaccent |
| N Ghook | N Idotbelow |
| N Gimarmenian | N Iebrevecyrillic |
| N Gjecyrillic | N Iecyrillic |
| N Gmacron | N Ifraktur |
| N Gmonospace | N Igrave |
| N Gsmallhook | N Ihookabove |
| N Gstroke | N Iicyrillic |
| N H | N Iinvertedbreve |
| N H18533 | N Iishortcyrillic |
| N H18543 | N Imacron |
| N H18551 | N Imacroncyrillic |
| N H22073 | N Imonospace |
| N HPSquare | N Iniarmenian |
| N Haabkhasiancyrillic | N Iocyrillic |
| N Hadescendercyrillic | N Iogonek |
| N Hardsigncyrillic | N Iota |
| N Hbar | N Iotaafrican |
| N Hbrevebelow | N Iotadieresis |
| N Hcedilla | N Iotatonos |
| N Hcircle | N Istroke |
| N Hcircumflex | N Itilde |
| N Hdieresis | N Itildebelow |
| N Hdotaccent | N Izhitsacyrillic |
| N Hdotbelow | N Izhitsadblgravecyrillic |

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|------------------------|---------------------------|
| N J | N Ldotaccent |
| N Jaarmenian | N Ldotbelow |
| N Jcircle | N Ldotbelowmacron |
| N Jcircumflex | N Liwnarmenian |
| N Jecyrillic | N Lj |
| N Jheharmenian | N Ljecyrillic |
| N Jmonospace | N Llinebelow |
| N K | N Lmonospace |
| N KBsquare | N Lslash |
| N Kksquare | N M |
| N Kabashkircyrillic | N MBsquare |
| N Kacute | N Macute |
| N Kacyrillic | N Mcircle |
| N Kadescendercyrillic | N Mdotaccent |
| N Kahookcyrillic | N Mdotbelow |
| N Kappa | N Menarmenian |
| N Kastrokecyrillic | N Mmonospace |
| N Kaverticalsecyrillic | N Mturned |
| N Kcaron | N Mu |
| N Kcedilla | N N |
| N Kcircle | N NJ |
| N Kcommaaccent | N Nacute |
| N Kdotbelow | N Ncaron |
| N Keharmenian | N Ncedilla |
| N Kenarmenian | N Ncircle |
| N Khacyrillic | N Ncircumflexbelow |
| N Kheicoptic | N Ncommaaccent |
| N Khook | N Ndotaccent |
| 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 |

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|------------------------|--------------------------|
| N Ocaron | N Oslash |
| N Ocenteredtilde | N Oslashacute |
| N Ocircle | N Ostrokeacute |
| N Ocircumflex | N Otcyrillic |
| N Ocircumflexacute | N Otilde |
| N Ocircumflexdotbelow | N Otildeacute |
| N Ocircumflexgrave | N Otildedieresis |
| N Ocircumflexhookabove | N P |
| N Ocircumflextilde | N Pacute |
| N Ocyrillic | N Pcircle |
| N Odblacute | N Pdotaccent |
| N Odblgrave | N Pecyrillic |
| N Odieresis | N Pecharmenian |
| N Odieresiscyrillic | N Pemiddlehookcyrillic |
| N Odotbelow | N Phi |
| N Ograve | N Phook |
| N Oharmenian | N Pi |
| N Ohm | N Piwrarmenian |
| N Ohookabove | N Pmonospace |
| N Ohorn | N Psi |
| N Ohornacute | N Psicyrillic |
| N Ohorndotbelow | N Q |
| N Ohorngrave | N Qcircle |
| N Ohornhookabove | N Qmonospace |
| N Ohorntilde | N R |
| N Ohungarumlaut | N Raarmenian |
| N Oi | N Racute |
| N Oinvertedbreve | N Rcaron |
| N Omacron | N Rcedilla |
| N Omacronacute | N Rcircle |
| N Omacrongrave | N Rcommaaccent |
| N Omega | N Rdblgrave |
| N Omegacyrillic | N Rdotaccent |
| N Omegagreek | N Rdotbelow |
| N Omegaroundcyrillic | N Rdotbelowmacron |
| N Omegatitlocyrillic | N Recharmenian |
| 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 SF010000
N SF020000
N SF030000
N SF040000
N SF050000
N SF060000
N SF070000
N SF080000
N SF090000
N SF10000
N SF100000
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N SF500000
N SF510000
N SF520000
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N SF540000
N SF60000
N SF70000
N SF80000
N SF90000
N Sacute
N Sacutedotaccent
N Sampigreek
N Scaron
N Scarondotaccent
N Scedilla
N Schwa
N Schwacyrillic
N Schwadiesiscyrillic
N Scircle
N Scircumflex
N Scommaaccent
N Sdotaccent
N Sdotbelow
N Sdotbelowdotaccent
N Seharmerian
N Sevenroman
N Shaarmenian
N Shacyrillic
N Shchacyrillic
N Sheicoptic
N Shhacyrillic
N Shimacoptic
N Sigma
N Sixroman
N Smonospace
N Softsigncyrillic
N Stigmagreek
N T
N Tau
N Tbar
N Tcaron
N Tcedilla
N Tcircle
N Tcircumflexbelow
N Tcommaaccent
N Tdotaccent
N Tdotbelow
N Tencyrillic

N Tedescendercyrillic
N Tenroman
N Tetsecyrillic
N Theta
N Thook
N Thorn
N Threeroman
N Tiwnarmenian
N Tlinebelow
N Tmonospace
N Toarmenian
N Tonefive
N Tonesix
N Tonetwo
N Tretroflexhook
N Tsecyrillic
N Tshecyrillic
N Twelveroman
N Tworoman
N U
N Uacute
N Ubreve
N Ucaron
N Ucircle
N Ucircumflex
N Ucircumflexbelow
N Ucyrillic
N Udblacute
N Udblgrave
N Udieresis
N Udieresisacute
N Udieresisbelow
N Udieresiscaron
N Udieresisiscyrillic
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

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|-----------------------------|----------------------------|
| N Xcircle | N Zhedescendercyrillic |
| N Xdieresis | N Zhedieresiscyrillic |
| N Xdotaccent | N Zlinebelow |
| N Xeharmenian | N Zmonospace |
| N Xi | N Zstroke |
| N Xmonospace | N a |
| N Y | N aabengali |
| N Yacute | N aacute |
| N Yatcyrillic | N aadeva |
| N Ycircle | N aagujarati |
| N Ycircumflex | N aagurmukhi |
| N Ydieresis | N aamatragurmukhi |
| N Ydotaccent | N aarusquare |
| N Ydotbelow | N aavowelsignbengali |
| N Yericyrillic | N aavowelsigndeva |
| N Yerudieresiscyrillic | N aavowelsigngujarati |
| N Ygrave | N abbreviationmarkarmenian |
| N Yhook | N abbreviationsigndeva |
| N Yhookabove | N abengali |
| N Yiarmenian | N abopomofo |
| N Yicyrillic | N abreve |
| N Yiwnarmenian | N abreveacute |
| N Ymonospace | N abrevecyrillic |
| N Ytilde | N abrevedotbelow |
| N Yusbigcyrillic | N abrevegrave |
| N Yusbigiotifiedcyrillic | N abrevehookabove |
| N Yuslittlecyrillic | N abrevetilde |
| N Yuslittleiotifiedcyrillic | N acaron |
| N Z | N acircle |
| N Zaarmenian | N acircumflex |
| N Zacute | N acircumflexacute |
| N Zcaron | N acircumflexdotbelow |
| N Zcircle | N acircumflexgrave |
| N Zcircumflex | N acircumflexhookabove |
| N Zdot | N acircumflextilde |
| N Zdotaccent | N acute |
| N Zdotbelow | N acutebelowcmb |
| N Zecyrillic | N acutecmb |
| N Zedescendercyrillic | N acutecomb |
| N Zedieresiscyrillic | N acutedeva |
| N Zeta | N acutelowmod |
| N Zhearmenian | N acutetonecmb |
| N Zhebrevecyrillic | N acyrillic |
| N Zhecyrillic | N adblgrave |

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| N addakgurmukhi | N afii10048 |
| N adeva | N afii10049 |
| N adieresis | N afii10050 |
| N adieresis Cyrillic | N afii10051 |
| N adieresis macron | N afii10052 |
| N adotbelow | N afii10053 |
| N adotmacron | N afii10054 |
| N ae | N afii10055 |
| N aeacute | N afii10056 |
| N aekorean | N afii10057 |
| N aemacron | N afii10058 |
| N afii100208 | N afii10059 |
| N afii108941 | N afii10060 |
| N afii10017 | N afii10061 |
| N afii10018 | N afii10062 |
| N afii10019 | N afii10065 |
| N afii10020 | N afii10066 |
| N afii10021 | N afii10067 |
| N afii10022 | N afii10068 |
| N afii10023 | N afii10069 |
| N afii10024 | N afii10070 |
| N afii10025 | N afii10071 |
| N afii10026 | N afii10072 |
| N afii10027 | N afii10073 |
| N afii10028 | N afii10074 |
| N afii10029 | N afii10075 |
| N afii10030 | N afii10076 |
| N afii10031 | N afii10077 |
| N afii10032 | N afii10078 |
| N afii10033 | N afii10079 |
| N afii10034 | N afii10080 |
| N afii10035 | N afii10081 |
| N afii10036 | N afii10082 |
| N afii10037 | N afii10083 |
| N afii10038 | N afii10084 |
| N afii10039 | N afii10085 |
| N afii10040 | N afii10086 |
| N afii10041 | N afii10087 |
| N afii10042 | N afii10088 |
| N afii10043 | N afii10089 |
| N afii10044 | N afii10090 |
| N afii10045 | N afii10091 |
| N afii10046 | N afii10092 |
| N afii10047 | N afii10093 |

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| N afii10094 | N afii57409 |
| N afii10095 | N afii57410 |
| N afii10096 | N afii57411 |
| N afii10097 | N afii57412 |
| N afii10098 | N afii57413 |
| N afii10099 | N afii57414 |
| N afii10100 | N afii57415 |
| N afii10101 | N afii57416 |
| N afii10102 | N afii57417 |
| N afii10103 | N afii57418 |
| N afii10104 | N afii57419 |
| N afii10105 | N afii57420 |
| N afii10106 | N afii57421 |
| N afii10107 | N afii57422 |
| N afii10108 | N afii57423 |
| N afii10109 | N afii57424 |
| N afii10110 | N afii57425 |
| N afii10145 | N afii57426 |
| N afii10146 | N afii57427 |
| N afii10147 | N afii57428 |
| N afii10148 | N afii57429 |
| N afii10193 | N afii57430 |
| N afii10194 | N afii57431 |
| N afii10195 | N afii57432 |
| N afii10196 | N afii57433 |
| N afii10846 | N afii57434 |
| N afii208 | N afii57440 |
| N afii299 | N afii57441 |
| N afii300 | N afii57442 |
| N afii301 | N afii57443 |
| N afii57381 | N afii57444 |
| N afii57388 | N afii57445 |
| N afii57392 | N afii57446 |
| N afii57393 | N afii57448 |
| N afii57394 | N afii57449 |
| N afii57395 | N afii57450 |
| N afii57396 | N afii57451 |
| N afii57397 | N afii57452 |
| N afii57398 | N afii57453 |
| N afii57399 | N afii57454 |
| N afii57400 | N afii57455 |
| N afii57401 | N afii57456 |
| N afii57403 | N afii57457 |
| N afii57407 | N afii57458 |

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| N afii57470 | N afii57700 |
| N afii57505 | N afii57705 |
| N afii57506 | N afii57716 |
| N afii57507 | N afii57717 |
| N afii57508 | N afii57718 |
| N afii57509 | N afii57723 |
| N afii57511 | N afii57793 |
| N afii57512 | N afii57794 |
| N afii57513 | N afii57795 |
| N afii57514 | N afii57796 |
| N afii57519 | N afii57797 |
| N afii57534 | N afii57798 |
| N afii57636 | N afii57799 |
| N afii57645 | N afii57800 |
| N afii57658 | N afii57801 |
| N afii57664 | N afii57802 |
| N afii57665 | N afii57803 |
| N afii57666 | N afii57804 |
| N afii57667 | N afii57806 |
| N afii57668 | N afii57807 |
| N afii57669 | N afii57839 |
| N afii57670 | N afii57841 |
| N afii57671 | N afii57842 |
| N afii57672 | N afii57929 |
| N afii57673 | N afii61248 |
| N afii57674 | N afii61289 |
| N afii57675 | N afii61352 |
| N afii57676 | N afii61573 |
| N afii57677 | N afii61574 |
| N afii57678 | N afii61575 |
| N afii57679 | N afii61664 |
| 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 |

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|-----------------------------|-----------------------------|
| N aimatragurmukhi | N anglebracketleftvertical |
| N ainarabic | N anglebracketright |
| N ainfinalarabic | N anglebracketrightvertical |
| N aininitialarabic | N angleleft |
| N ainmedialarabic | N angleright |
| N ainvertedbreve | N angstrom |
| N aivowelsignbengali | N anoteleia |
| N aivowelsigndeva | N anudattadeva |
| N aivowelsingujarati | N anusvarabengali |
| N akatakana | N anusvaradeva |
| N akatakanahalfwidth | N anusvaragujarati |
| N akorean | N aogonek |
| N alef | N apaatosquare |
| N alefarabic | N aparen |
| N alefdageshhebrew | N apostrophearmenian |
| N aleffinalarabic | N apostrophemod |
| N alefhamzaaboveearabic | N apple |
| N alefhamzaabovefinalarabic | N approaches |
| N alefhamzabelowarabic | N approxequal |
| N alefhamzabelowfinalarabic | N approxequalorimage |
| N alefhebrew | N approximatelyequal |
| N aleflamedhebrew | N araeaekorean |
| N alefmaddaaboveearabic | N araeakorean |
| N alefmaddaabovefinalarabic | N arc |
| N alefmaksuraarabic | N arighthalfring |
| N alefmaksurafinalarabic | N aring |
| N alefmaksurainitialarabic | N aringacute |
| N alefmaksuramedialarabic | N aringbelow |
| N alefpatahhebrew | N arrowboth |
| N alefqamatshebrew | N arrowdashdown |
| N aleph | N arrowdashleft |
| N allequal | N arrowdashright |
| N alpha | N arrowdashup |
| N alphanos | 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 arrowheadrightmod
N arrowheadupmod
N arrowleft
N arrowleftdbl
N arrowleftdblstroke
N arrowleftoverright
N arrowleftwhite
N arrowright
N arrowrightdblstroke
N arrowrightheavy
N arrowrightoverleft
N arrowrightwhite
N arrowtableft
N arrowtabright
N arrowup
N arrowupdn
N arrowupdnbse
N arrowupdownbase
N arrowupleft
N arrowupleftofdown
N arrowupright
N arrowupwhite
N asciicircum
N asciicircummonospace
N asciitilde
N asciitildemonospace
N ascript
N ascriptturned
N asmallhiragana
N asmallkatakana
N asmallkatakanahalfwidth
N asterisk
N asteriskaltonearabic
N asteriskarabic
N asteriskmath
N asteriskmonospace
N asterisksmall
N asterism
N asymptoticallyequal
N at
N atilde
N atmonospace
N atsmall
N aturned

N aubengali
N aubopomofo
N audeva
N augujarati
N augurmukhi
N aulengthmarkbengali
N aumatragurmukhi
N auvowelsignbengali
N auvowelsigndeva
N auvowelsigngujarati
N avagrahadeva
N aybarmenian
N ayin
N ayinaltonehebrew
N ayinhebrew
N b
N babengali
N backslash
N backslashmonospace
N badeva
N bagujarati
N bagurmukhi
N bahiragana
N bahtthai
N bakatakana
N bar
N barmonospace
N bbopomofo
N bcircle
N bdotaccent
N bdotbelow
N beamedsixteenthnotes
N because
N becyrillic
N beharabic
N behfinalarabic
N behinitialarabic
N behiragana
N behmedialarabic
N behmeeminitialarabic
N behmeemisolatedarabic
N behnoonfinalarabic
N bekatakana
N benarmenian

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|---------------------------------------|--------------------------|
| N bet | N bohiragana |
| N beta | N bokatakana |
| N betasymbolgreek | N bparen |
| N betdagesh | N bqsquare |
| N betdageshhebrew | N braceleft |
| N bethebrew | N braceleftmonospace |
| N betrafehebrew | N braceleftsmall |
| N bhabengali | N braceleftvertical |
| N bhadeva | N braceright |
| N bhagujarati | N bracerightmonospace |
| N bhagurmukhi | N bracerightsmall |
| N bhook | N bracerightvertical |
| N bihiragana | N bracketleft |
| N bikatakana | N bracketleftmonospace |
| N bilabialclick | N bracketright |
| N bindigurmukhi | N bracketrightmonospace |
| N birusquare | N breve |
| N blackcircle | N brevebelowcmb |
| N blackdiamond | N brevecmb |
| N blackdownpointingtriangle | N breveinvertedbelowcmb |
| N blackleftpointingpointer | N breveinvertedcmb |
| N blackleftpointingtriangle | N breveinverteddoublecmb |
| N blacklenticularbracketleft | N bridgebelowcmb |
| N blacklenticularbracketleftvertical | N bridgeinvertedbelowcmb |
| N blacklenticularbracketright | N brokenbar |
| N blacklenticularbracketrightvertical | N bstroke |
| N blacklowerlefttriangle | N btopbar |
| N blacklowerrighttriangle | N buhiragana |
| N blackrectangle | N bukatakana |
| N blackrightpointingpointer | N bullet |
| N blackrightpointingtriangle | N bulletinverse |
| N blacksmallsquare | N bulletoperator |
| N blacksmilingface | N bullseye |
| N blacksquare | N c |
| N blackstar | N caarmenian |
| N blackupperlefttriangle | N cabengali |
| N blackupperrighttriangle | N cacute |
| N blackuppointingsmalltriangle | N cadeva |
| N blackuppointingtriangle | N cagujarati |
| N blank | N cagurmukhi |
| N blinebelow | N calsquare |
| N block | N candrabindubengali |
| N bmonospace | N candrabinducmb |
| N bobaimaithai | N candrabindudeva |

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|---------------------------------|----------------------------|
| N candrabindugujarati | N chochanthai |
| N capslock | N chochingthai |
| N careof | N chochoethai |
| N caron | N chook |
| N caronbelowcmb | N cieucacirclekorean |
| N caroncmb | N cieucaparenkorean |
| N carriagereturn | N cieuccirclekorean |
| N cbopomofo | N cieuckorean |
| N ccaron | N cieucparenkorean |
| N ccedilla | N cieucuparenkorean |
| N ccedillaacute | N circle |
| N ccircle | N circlemultiply |
| N ccircumflex | N circleot |
| N ccurl | N circleplus |
| N cdot | N circlepostalmark |
| N cdotaccent | N circlewithlefthalfblack |
| N cdsquare | N circlewithrighthalfblack |
| N cedilla | N circumflex |
| N cedillacmb | N circumflexbelowcmb |
| N cent | N circumflexcmb |
| N centigrade | N clear |
| N centmonospace | N clickalveolar |
| N chaarmenian | N clickdental |
| N chabengali | N clicklateral |
| N chadeva | N clickretroflex |
| N chagujarati | N club |
| N chagurmukhi | N clubsuitblack |
| N chbopomofo | N clubsuitwhite |
| 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 colontriangulararmod |
| N chieuchaparenkorean | N comma |
| N chieuchcirclekorean | N commaabovecmb |
| N chieuchkorean | N commaaboverightcmb |
| N chieuchparenkorean | N commaarabic |
| N chochangthai | N commaarmenian |

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|------------------------|-------------------------------|
| N commamonospace | N cornerbracketlefthalfwidth |
| N commareversedabovcmb | N cornerbracketleftvertical |
| N commareversedmod | N cornerbracketright |
| N commasmall | N cornerbracketrighthalfwidth |
| N commaturnedabovcmb | N cornerbracketrightvertical |
| N commaturnedmod | N corporationsquare |
| N compass | N cosquare |
| N congruent | N coverkgsquare |
| N contourintegral | N cparen |
| N control | N cruzeiro |
| N controlACK | N cstretched |
| N controlBEL | N curlyand |
| N controlBS | N curlyor |
| N controlCAN | N currency |
| N controlCR | N d |
| N controlDC1 | N daarmenian |
| N controlDC2 | N dabengali |
| N controlDC3 | N dadarabic |
| N controlDC4 | N dadeva |
| N controlDEL | N dadfinalarabic |
| N controlDLE | N dadinitialarabic |
| N controlEM | N dadmedialarabic |
| N controlENQ | N dagesh |
| N controlEOT | N dageshhebrew |
| N controlESC | N dagger |
| N controlETB | N daggerdbl |
| N controlETX | N dagujarati |
| N controlFF | N dagurmukhi |
| N controlFS | N dahiragana |
| N controlGS | N dakatakana |
| N controlHT | N dalarabic |
| N controlLF | N dalet |
| N controlNAK | N daletdagesh |
| N controlRS | N daletdageshhebrew |
| N controlSI | N dalethatafpatah |
| N controlSO | N dalethatafpatahhebrew |
| N controlSOT | N dalethatafsegol |
| N controlSTX | N dalethatafsegolhebrew |
| N controlSUB | N dalethebrew |
| N controlSYN | N dalethiriq |
| N controlUS | N dalethiriqhebrew |
| N controlVT | N daletholam |
| N copyright | N daletholamhebrew |
| N cornerbracketleft | N daletpatah |

| | |
|--------------------------------|---------------------------------------|
| N daletpatahhebrew | N ddadeva |
| N daletqamats | N ddagujarati |
| N daletqamatshebrew | N ddagurmukhi |
| N daletqubuts | N ddalarabic |
| N daletqubutshewbrew | N ddalfinalarabic |
| N daletsegol | N dddhadeva |
| N daletsegolhebrew | N ddhabengali |
| N daletsheva | N ddhadeva |
| N daletshevahebrew | N ddhagujarati |
| N dalettserere | N ddhagurmukhi |
| N dalettsererehebrew | N ddotaccent |
| N dalfinalarabic | N ddotbelow |
| N dammaarabic | N decimalseparatorarabic |
| N dammalowarabic | N decimalseparatorpersian |
| N dammatanaltonearabic | N decyrillic |
| N dammatanarabic | N degree |
| N danda | N dehihebrew |
| N dargahebrew | N dehiragana |
| N dargalefthebrew | N deicoptic |
| N dasiapneumatacyrillicmb | N dekatakana |
| N dblanglebracketleft | N deleteleft |
| N dblanglebracketleftvertical | N deleteright |
| N dblanglebracketright | N delta |
| N dblanglebracketrightvertical | N deltaturned |
| N dblarchinvertedbelowcmb | N denominatorminusonenumeratorbengali |
| N dblarrowleft | N dezh |
| N dblarrowright | N dhabengali |
| N dbldanda | N dhadeva |
| 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 dieresis-tonos |
| N dcedilla | N dihiragana |
| N dcircle | N dikatakana |
| N dcircumflexbelow | N dittomark |
| N dcroat | N divide |
| N ddabengali | N divides |

N divisionslash
 N djecyrillic
 N dkshade
 N dlinebelow
 N dlsquare
 N dmacron
 N dmonospace
 N dnblock
 N dochadathai
 N dodekthai
 N dohiragana
 N dokatakana
 N dollar
 N dollarmonospace
 N dollarsmall
 N dong
 N dorussquare
 N dotaccent
 N dotaccentcmb
 N dotbelowcmb
 N dotbelowcomb
 N dotkatakana
 N dotlessi
 N dotlessj
 N dotlessjstrokehook
 N dotmath
 N dottedcircle
 N doubleyodpatah
 N doubleyodpatahhebrew
 N downtackbelowcmb
 N downtackmod
 N dparen
 N dtail
 N dtopbar
 N duhiragana
 N dukatakana
 N dz
 N dzaltone
 N dzcaron
 N dzcurl
 N dzeabkhasiancyrillic
 N dzecyrillic
 N dzhecyrillic
 N e

N eacute
 N earth
 N ebengali
 N ebopomofo
 N ebreve
 N ecandradeva
 N ecandragujarati
 N ecandravowelsigndeva
 N ecandravowelsigngujarati
 N ecaron
 N ecedillabreve
 N echarmenian
 N echyiwnarmenian
 N ecircle
 N ecircumflex
 N ecircumflexacute
 N ecircumflexbelow
 N ecircumflexdotbelow
 N ecircumflexgrave
 N ecircumflexhookabove
 N ecircumflextilde
 N ecyrillic
 N edblgrave
 N edeva
 N edieresis
 N edot
 N edotaccent
 N edotbelow
 N eegurmukhi
 N eematragurmukhi
 N efcyrillic
 N egrave
 N egujarati
 N eharmenian
 N ehbopomofo
 N ehiragana
 N ehookabove
 N eibopomofo
 N eight
 N eightarabic
 N eightbengali
 N eightcircle
 N eightcircleinversesansserif
 N eightdeva

N eighteencircle
N eighteenparen
N eighteenperiod
N eightgujarati
N eightgurmukhi
N eighthackarabic
N eighthangzhou
N eighthnotebeamed
N eightideographicparen
N eightinferior
N eightmonospace
N eightparen
N eightperiod
N eightpersian
N eightroman
N eightsuperior
N eightthai
N einvertedbreve
N eiotifiedcyrillic
N ekatakana
N ekatakanahalfwidth
N ekonkargurmukhi
N ekorean
N elcyrillic
N element
N elevencircle
N elevenparen
N elevenperiod
N elevenroman
N ellipsis
N ellipsisvertical
N emacron
N emacronacute
N emacrongrave
N emcyrillic
N emdash
N emdashvertical
N emonospace
N emphasismarkarmenian
N emptyset
N enbopomofo
N encyrillic
N endash
N endashvertical

N endescendercyrillic
N eng
N engbopomofo
N enghecyrillic
N enhookcyrillic
N enspace
N eogonek
N eokorean
N eopen
N eopenclosed
N eopenreversed
N eopenreversedclosed
N eopenreversedhook
N eparen
N epsilon
N epsilontonos
N equal
N equalmonospace
N equalsmall
N equalsuperior
N equivalence
N erbopomofo
N ercyrillic
N ereversed
N ereversedcyrillic
N escyrillic
N esdescendercyrillic
N esh
N eshcurl
N eshortdeva
N eshortvowelsigndeva
N eshreversedloop
N eshsquatreversed
N esmallhiragana
N esmallkatakana
N esmallkatakanahalfwidth
N estimated
N eta
N etarmenian
N etatonos
N eth
N etilde
N etildebelow
N etnahtafoukhhebrew

| | |
|--------------------------|------------------------------|
| N etnahtafoukhlefthebrew | N figuredash |
| N etnahtahebrew | N filledbox |
| N etnahtalefthebrew | N filledrect |
| N eturned | N finalkaf |
| N eukorean | N finalkafdagesh |
| N euro | N finalkafdageshhebrew |
| N evowelsignbengali | N finalkafhebrew |
| N evowelsigndeva | N finalkafqamats |
| N evowelsingujarati | N finalkafqamatshebrew |
| N exclam | N finalkafsheva |
| N exclamarmenian | N finalkafshevahebrew |
| N exclamdbl | N finalmem |
| N exclamdown | N finalmemhebrew |
| N exclammonospace | N finalnun |
| N existential | N finalnunhebrew |
| N ezh | N finalpe |
| N ezhcaron | N finalpehebrew |
| N ezhcurl | N finaltsadi |
| N ezhreversed | N finaltsadihebrew |
| N ezhtail | N firsttonechinese |
| N f | N fisheye |
| N fadeva | N fitacyrillic |
| N fagurmukhi | N five |
| N fahrenheit | N fivearabic |
| N fathaarabic | N fivebengali |
| N fathalarabic | N fivecircle |
| N fathatarabic | N fivecircleinversesansserif |
| N fbopomofo | N fivedeva |
| 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 fmonospace
 N fmsquare
 N fofanthai
 N fofathai
 N fongmanthai
 N forall
 N four
 N fourarabic
 N fourbengali
 N fourcircle
 N fourcircleinversesansserif
 N fourdeva
 N fourgujarati
 N fourgurmukhi
 N fourhackarabic
 N fourhangzhou
 N fourideographicparen
 N fourinferior
 N fourmonospace
 N fournumeratorbengali
 N fourparen
 N fourperiod
 N fourpersian
 N fourroman
 N foursuperior
 N fourteencircle
 N fourteenparen
 N fourteenperiod
 N fourthai
 N fourthtonechinese
 N fparen
 N fraction
 N franc
 N g
 N gabengali
 N gacute
 N gadeva
 N gafarabic
 N gaffinalarabic
 N gafinitialarabic
 N gafmedialarabic
 N gagujarati
 N gagurmukhi
 N gahiragana

N gakatakana
 N gamma
 N gammalatinsmall
 N gammasuperior
 N gangiacoptic
 N gbopomofo
 N gbreve
 N gcaron
 N gcedilla
 N gcircle
 N gcircumflex
 N gcommaaccent
 N gdot
 N gdotaccent
 N gecyrillic
 N gehiragana
 N gekatakana
 N geometricallyequal
 N gereshaccenthebrew
 N gereshebrew
 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 ghadeva
 N ghagurmukhi
 N ghook
 N ghzsquare
 N ghiragana
 N gikatakana
 N gimarmenian

| | |
|-------------------------------|---------------------------|
| N gimel | N gukatakana |
| N gimeldagesh | N guramusquare |
| N gimeldageshhebrew | N gysquare |
| N gimelhebrew | N h |
| N gjecyrillic | N haabkhasiancyrillic |
| N glottalinvertedstroke | N haaltonearabic |
| N glottalstop | N habengali |
| N glottalstopinverted | N hadescendercyrillic |
| N glottalstopmod | N hadeva |
| N glottalstopreversed | N hagujarati |
| N glottalstopreversedmod | N hagurmukhi |
| N glottalstopreversedsuperior | N haharabic |
| N glottalstopstroke | N hahfinalarabic |
| N glottalstopstrokereversed | N hahinitialarabic |
| N gmacron | N hahiragana |
| N gmonospace | N hahmedialarabic |
| N gohiragana | N haitusquare |
| N gokatakana | N hakatakana |
| N gparen | N hakatakanahalfwidth |
| N gpasquare | N halantgurmukhi |
| N gradient | N hamzaarabic |
| N grave | N hamzadammaarabic |
| N gravebelowcmb | N hamzadammatanarabic |
| N gravecmb | N hamzafathaarabic |
| N gravecomb | N hamzafathatanarabic |
| N gravedeva | N hamzalowarabic |
| N gravelowmod | N hamzalowkasraarabic |
| N gravemonospace | N hamzalowkasratanarabic |
| N gravetonecmb | N hamzasukunarabic |
| N greater | N hangulfiller |
| N greaterequal | N hardsigncyrillic |
| N greaterequalorless | N harpoonleftbarbup |
| N greatermonospace | N harpoonrightbarbup |
| N greaterorequivalent | N hasquare |
| N greaterorless | N hatafpatah |
| N greateroverequal | N hatafpatah16 |
| N greatersmall | N hatafpatah23 |
| N gscript | N hatafpatah2f |
| N gstroke | N hatafpatahhebrew |
| N guhiragana | N hatafpatahnarrowhebrew |
| N guillemotleft | N hatafpatahquarterhebrew |
| N guillemotright | N hatafpatahwidehebrew |
| N guilsinglleft | N hatafqamats |
| N guilsinglright | N hatafqamats1b |

| | |
|-------------------------------|---------------------------|
| N hatafqamats28 | N hekatakanahalfwidth |
| N hatafqamats34 | N hekutaarusquare |
| N hatafqamatshebrew | N henghook |
| N hatafqamatsnarrowhebrew | N herutusquare |
| N hatafqamatsquarterhebrew | N het |
| N hatafqamatswidehebrew | N hethebrew |
| N hatafsegol | N hhook |
| N hatafsegol17 | N hhooksuperior |
| N hatafsegol24 | N hieuhacirclekorean |
| N hatafsegol30 | N hieuhaparenkorean |
| N hatafsegolhebrew | N hieuhcirclekorean |
| N hatafsegolnarrowhebrew | N hieuhkorean |
| N hatafsegolquarterhebrew | N hieuhparenkorean |
| N hatafsegolwidehebrew | N hihiragana |
| N hbar | N hikatakana |
| N hbopomofo | N hikatakanahalfwidth |
| N hbrevebelow | N hiriq |
| N hcedilla | N hiriq14 |
| N hcircle | N hiriq21 |
| N hcircumflex | N hiriq2d |
| N hdieresis | N hiriqhebrew |
| N hdotaccent | N hiriqnarrowhebrew |
| N hdotbelow | N hiriqqarterhebrew |
| N he | N hiriqwidehebrew |
| N heart | N hlinebelow |
| N heartsuitblack | N hmonospace |
| N heartsuitwhite | N hoarmenian |
| N hedagesh | N hohipthai |
| N hedageshhebrew | N hohiragana |
| N hehalthnearabic | N hokatakana |
| N heharabic | N hokatakanahalfwidth |
| N hehebrew | N holam |
| N hehfinalaltnearabic | N holam19 |
| N hehfinalalttwoarabic | N holam26 |
| N hehfinalarabic | N holam32 |
| N hehhamzaabovefinalarabic | N holamhebrew |
| N hehhamzaaboveisolatedarabic | N holamnarrowhebrew |
| N hehinitialaltnearabic | N holamquarterhebrew |
| N hehinitialarabic | N holamwidehebrew |
| N hehiragana | N honokhukthai |
| N hehmedialaltnearabic | N hookabovecomb |
| N hehmedialarabic | N hookcmb |
| N heiseierasquare | N hookpalatalizedbelowcmb |
| N hekatakana | N hookretroflexbelowcmb |

| | |
|----------------------------------|------------------------------|
| N hoonsquare | N ideographicfestivalparen |
| N horicoptic | N ideographicfinancialcircle |
| N horizontalbar | N ideographicfinancialparen |
| N horncmb | N ideographicfireparen |
| N hotsprings | N ideographichaveparen |
| N house | N ideographichighcircle |
| N hparen | N ideographiciterationmark |
| N hsuperior | N ideographiclaborcircle |
| N hturned | N ideographiclaborparen |
| N huhiragana | N ideographicleftcircle |
| N huitosquare | N ideographiclowcircle |
| N hukatakana | N ideographicmedicinecircle |
| N hukatakanahalfwidth | N ideographicmetalparen |
| N hungarumlaut | N ideographicmoonparen |
| N hungarumlautcmb | N ideographicnameparen |
| N hv | N ideographicperiod |
| N hyphen | N ideographicprintcircle |
| N hyphenmonospace | N ideographicreachparen |
| N hyphensmall | N ideographicrepresentparen |
| N hyphentwo | N ideographicresourceparen |
| N i | N ideographicrightcircle |
| N iacute | N ideographicsecretcircle |
| N iacyrillic | N ideographicselfparen |
| N ibengali | N ideographicsocietyparen |
| N ibopomofo | N ideographicspace |
| N ibreve | N ideographicspecialparen |
| N icaron | N ideographicstockparen |
| N icircle | N ideographicstudyparen |
| 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 iebrevecyrillic | N invbullet |
| N iecyrillic | N invcircle |
| N ieungacirclekorean | N invsmileface |
| N ieungaparenkorean | N iocyrillic |
| N ieungcirclekorean | N iogonek |
| N ieungkorean | N iota |
| N ieungparenkorean | N iotadieresis |
| N igrave | N iotadiesisistonos |
| N igujarati | N iotalatin |
| N igurmukhi | N iotatonos |
| N ihiragana | N iparen |
| N ihookabove | N irigurmukhi |
| N iibengali | N ismallhiragana |
| N iicyrillic | N ismallkatakana |
| N iideva | N ismallkatakanahalfwidth |
| N iigujarati | N issharbengali |
| N iigurmukhi | N istroke |
| N iimatragurmukhi | N iterationhiragana |
| N iinvertedbreve | N iterationkatakana |
| N iishortcyrillic | N itilde |
| N iivowelsignbengali | N itildebelow |
| N iivowelsigndeva | N iubopomofo |
| N iivowelsigngujarati | N iucyrillic |
| N ij | N ivowelsignbengali |
| N ikatakana | N ivowelsigndeva |
| N ikatakanahalfwidth | N ivowelsigngujarati |
| N ikorean | N izhitsacyrillic |
| N ilde | N izhitsadblgravecyrillic |
| N iluyhebrew | N j |
| N imacron | N jaarmenian |
| N imacroncyrillic | N jabengali |
| N imageorapproximatelyequal | N jadeva |
| N imatragurmukhi | N jagujarati |
| N imonospace | N jagurmukhi |
| N increment | N jbopomofo |
| N infinity | N jcaron |
| N iniarmenian | N jcircle |
| N integral | N jcircumflex |
| N integralbottom | N jcrossetdail |
| N integralbt | N jdotlessstroke |
| N integraltop | N jecyrillic |
| N integraltp | N jeemarabic |
| N intersection | N jeemfinalarabic |
| N intisquare | N jeeminitialarabic |

N jeemmedialarabic
 N jeharabic
 N jehfinalarabic
 N jhabengali
 N jhadeva
 N jhagujarati
 N jhagurmukhi
 N jheharmerian
 N jis
 N jmonospace
 N jparen
 N jsuperior
 N k
 N kabashkircyrillic
 N kabengali
 N kacute
 N kacyrillic
 N kadescendercyrillic
 N kadeva
 N kaf
 N kafarabic
 N kafdagesh
 N kafdageshhebrew
 N kaffinalarabic
 N kafhebrew
 N kafinitialarabic
 N kafmedialarabic
 N kafrafehebrew
 N kagujarati
 N kagurmukhi
 N kahiragana
 N kahookcyrillic
 N kakatakana
 N kakatakanahalfwidth
 N kappa
 N kappasymbolgreek
 N kapyeounmieumkorean
 N kapyeounphieupkorean
 N kapyeounpieupkorean
 N kapyeounssangpieupkorean
 N karoriisquare
 N kashidaaautoarabic
 N kashidaaautosidebearingarabic
 N kasmallkatakana

N kasquare
 N kasraarabic
 N kasratanarabic
 N kastrokecyrillic
 N katahiraprolongmarkhalfwidth
 N kaverticallstrokecyrillic
 N kbopomofo
 N kcalsquare
 N kcaron
 N kcedilla
 N kcircle
 N kcommaaccent
 N kdotbelow
 N keharmerian
 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 khadeva
 N khagurmukhi
 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 lakhangyaotai |
| N kihiragana | N lamaleffinalarabic |
| N kikatakana | N lamalefhamzaabovefinalarabic |
| N kikatakanahalfwidth | N lamalefhamzaaboveisolatedarabic |
| N kioguramusquare | N lamalefhamzabelowfinalarabic |
| N kiomeetorusquare | N lamalefhamzabelowisolatedarabic |
| N kirosquare | N lamalefisolatedarabic |
| N kiyeokacirclekorean | N lamalefmaddaabovefinalarabic |
| N kiyeokaparenkorean | N lamalefmaddaaboveisolatedarabic |
| N kiyeokcirclekorean | N lamarabic |
| N kiyeokkorean | N lambda |
| N kiyeokparenkorean | N lambdastroke |
| N kiyeoksioskorean | N lamed |
| N kjecyrillic | N lameddagesh |
| N klinebelow | N lameddageshhebrew |
| N klsquare | N lamedhebrew |
| N kmcubedsquare | N lamedholam |
| N kmonospace | N lamedholamdagesh |
| N kmsquaredsquare | N lamedholamdageshhebrew |
| N kohiragana | N lamedholamhebrew |
| N kohmsquare | N lamfinalarabic |
| N kokaitai | N lamhahinitialarabic |
| N kokatakana | N laminitialarabic |
| N kokatakanahalfwidth | N lamjeeminitialarabic |
| N kooposquare | N lamkhahinitialarabic |
| N koppacyrillic | N lamlamhehisolatedarabic |
| N koreanstandardsymbol | N lammedialarabic |
| N koroniscmb | N lammeemhahinitialarabic |
| N kparen | N lammeeminitialarabic |
| N kpasquare | N lammeemjeeminitialarabic |
| N ksicyrillic | N lammeemkhahinitialarabic |
| N ktsquare | N largecircle |
| N kturned | N lbar |
| N kuhiragana | N lbelt |
| N kukatakana | N lbopomofo |
| N kukatakanahalfwidth | N lcaron |
| N kvsquare | N lcedilla |
| N kwsquare | N lcircle |
| N l | N lccircumflexbelow |
| N labengali | N lcommaaccent |
| N lacute | N ldot |
| N ladeva | N ldotaccent |
| N lagujarati | N ldotbelow |
| N lagurmukhi | N ldotbelowmacron |

| | |
|-----------------------------|----------------------------|
| N leftangleabovecmb | N lvocalicbengali |
| N lefttackbelowcmb | N lvocalicdeva |
| N less | N lvocalicvowelsignbengali |
| N lessequal | N lvocalicvowelsigndeva |
| N lessequalorgreater | N lxsquare |
| N lessmonospace | N m |
| N lessorequivalent | N mabengali |
| N lessorgreater | N macron |
| N lessoverequal | N macronbelowcmb |
| N lesssmall | N macroncmb |
| N lezh | N macronlowmod |
| N lfblock | N macronmonospace |
| N lhookretroflex | N macute |
| N lira | N madeva |
| N liwnarmenian | N magujarati |
| N lj | N magurmukhi |
| N ljecyrillic | N mahapakhhebrew |
| N lladeva | N mahapakhlefthebrew |
| N llagujarati | N mahiragana |
| N llinebelow | N maichattawathai |
| N llladeva | N maiekthai |
| N llvocalicbengali | N maihanakatthai |
| N llvocalicdeva | N maitaikhuthai |
| N llvocalicvowelsignbengali | N maithothai |
| N llvocalicvowelsigndeva | N maitrithai |
| N lmiddletilde | N maiyamokthai |
| N lmonospace | N makatakana |
| N lmsquare | N makatakanahalfwidth |
| N lochulathai | N male |
| N logicaland | N mansyonsquare |
| N logicalnot | N maqafhebrew |
| N logicalnotreversed | N mars |
| N logicalor | N masoracirclehebrew |
| N lolingthai | N masquare |
| N longs | N mbopomofo |
| N lowlinecenterline | N mbsquare |
| N lowlinecmb | N mcircle |
| N lowlinedashed | N mcubedsquare |
| N lozenge | N mdotaccent |
| N lparen | N mdotbelow |
| N lslash | N meemarabic |
| N lsquare | N meemfinalarabic |
| N ltshade | N meeminitialarabic |
| N luthai | N meemmedialarabic |

| | |
|------------------------------|-----------------------|
| N meemmeinitialarabic | N mohiragana |
| N meemmeisolatedarabic | N mohmsquare |
| N meetorusquare | N mokatakana |
| N mehiragana | N mokatakanahalfwidth |
| N meizierasquare | N molsquare |
| N mekatakana | N momathai |
| N mekatakanahalfwidth | N moverssquare |
| N mem | N moverssquaredsquare |
| N memdagesh | N mparen |
| N memdageshhebrew | N mpasquare |
| N memhebrew | N mssquare |
| N menarmenian | N mturned |
| N merkhahebrew | N mu |
| N merkhakefulahebrew | N mul |
| N merkhakefulalefthebrew | N muasquare |
| N merkhalefthebrew | N muchgreater |
| N mhook | N muchless |
| N mhzsquare | N mufsquare |
| N middledotkatakanahalfwidth | N mugreek |
| N middot | N mugsquare |
| N mieumacirclekorean | N muhiragana |
| N mieumaparenkorean | N mukatakana |
| N mieumcirclekorean | N mukatakanahalfwidth |
| N mieumkorean | N mulsquare |
| N mieumpansioskorean | N multiply |
| N mieuparenkorean | N mumsquare |
| N mieumpieupkorean | N munahhebrew |
| N mieumsioskorean | N munahlefthebrew |
| N mihiragana | N musicalnote |
| N mikatakana | N musicalnotedbl |
| N mikatakanahalfwidth | N musicflatsign |
| N minus | N musicsharpsign |
| N minusbelowcmb | N mussquare |
| N minuscircle | N muvsquare |
| N minusmod | N muwsquare |
| N minusplus | N mvmegasquare |
| N minute | N mvsquare |
| N miribaarusquare | N mwmegasquare |
| N mirisquare | N mwsquare |
| N mlonglegturned | N n |
| N mlsquare | N nabengali |
| N mmcubedsquare | N nabla |
| N mmonospace | N nacute |
| N mmsquaredsquare | N nadeva |

| | |
|-----------------------|------------------------------|
| N nagujarati | N ninearabic |
| N nagurmukhi | N ninebengali |
| N nahiragana | N ninecircle |
| N nakatakana | N ninecircleinversesansserif |
| N nakatakanahalfwidth | N ninedeva |
| N napostrophe | N ninegujarati |
| N nasquare | N ninegurmukhi |
| N nbopomofo | N ninehackarabic |
| N nbspace | N ninehangzhou |
| N ncaron | N nineideographicparen |
| N ncedilla | N nineinferior |
| N ncircle | N ninemonospace |
| N ncircumflexbelow | N nineparen |
| N ncommaaccent | N nineperiod |
| N ndotaccent | N ninepersian |
| N ndotbelow | N nineroman |
| N nehiragana | N ninesuperior |
| N nekatakana | N nineteencircle |
| N nekatakanahalfwidth | N nineteenparen |
| N newsheqelsign | N nineteenperiod |
| N nfsquare | N ninethai |
| N ngabengali | N nj |
| N ngadeva | N njecyrillic |
| N ngagujarati | N nkatakana |
| N ngagurmukhi | N nkatakanahalfwidth |
| N ngonguthai | N nlegrightlong |
| N nhiragana | N nlinebelow |
| N nhookleft | N nmonospace |
| N nhookretroflex | N nm-square |
| 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 nhiragana | N nonuthai |
| N nikatakana | N noonarabic |
| N nikatakanahalfwidth | N noonfinalarabic |
| N nikhahitthai | N noonghunnaarabic |
| N nine | N noonghunnafinalarabic |

| | |
|--------------------------|----------------------------|
| N noonhehinitialarabic | N nundageshhebrew |
| N nooninitialarabic | N nunhebrew |
| N noonjeeminitialarabic | N nvsquare |
| N noonjeemisolatedarabic | N nwsquare |
| N noonmedialarabic | N nyabengali |
| N noonmeeminitialarabic | N nyadeva |
| N noonmeemisolatedarabic | N nyagujarati |
| N noonnoonfinalarabic | N nyagurmukhi |
| N notcontains | N o |
| N notelement | N oacute |
| N notelementof | N oangthai |
| N notequal | N obarred |
| N notgreater | N obarredcyrillic |
| N notgreaternorequal | N obarreddieresiscyrillic |
| N notgreaternorless | N obengali |
| N notidentical | N obopomofo |
| N notless | N obreve |
| N notlessnorequal | N ocandradeva |
| N notparallel | N ocandragujarati |
| N notprecedes | N ocandravowelsigndeva |
| N notsubset | N ocandravowelsigngujarati |
| N notsucceeds | N ocaron |
| N notsuperset | N ocircle |
| N nowarmenian | N ocircumflex |
| N nparen | N ocircumflexacute |
| N nssquare | N ocircumflexdotbelow |
| N nsuperior | N ocircumflexgrave |
| N ntilde | N ocircumflexhookabove |
| N nu | N ocircumflextilde |
| N nuhiragana | N ocyrillic |
| N nukatakana | N odblacute |
| N nukatakanahalfwidth | N odblgrave |
| N nuktabengali | N odeva |
| N nukttadeva | N odieresis |
| N nuktagujarati | N odieresiscyrillic |
| N nuktagurmukhi | N odotbelow |
| N numbersign | N oe |
| N numbersignmonospace | N oekorean |
| N numbersignsmall | N ogonek |
| N numeralsigngreek | N ogonekcmb |
| N numeralsignlowergreek | N ograve |
| N numero | N ogujarati |
| N nun | N oharmenian |
| N nundagesh | N ohiragana |

| | |
|-----------------------------|---------------------------|
| N ohookabove | N onemonospace |
| N ohorn | N onenumeratorbengali |
| N ohornacute | N oneparen |
| N ohorndotbelow | N onepperiod |
| N ohorngrave | N onepersian |
| N ohornhookabove | N onequarter |
| N ohorntilde | N oneroman |
| N ohungarumlaut | N onesuperior |
| N oi | N onethai |
| N oinvertedbreve | N onethird |
| N okatakana | N oogonek |
| N okatakanahalfwidth | N oogonekmacron |
| N okorean | N oogurmukhi |
| N olehebrew | N oomatragurmukhi |
| N omacron | N oopen |
| N omacronacute | N oparen |
| N omacrongrave | N openbullet |
| N omdeva | N option |
| N omega | N ordfeminine |
| N omegal | N ordmasculine |
| N omegacyrillic | N orthogonal |
| N omegalatincloded | N oshortdeva |
| N omegaroundcyrillic | N oshortvowelsigndeva |
| N omegatitlocyrillic | N oslash |
| N omegatonos | N oslashacute |
| N omgujarati | N osmallhiragana |
| N omicron | N osmallkatakana |
| N omicrontonos | N osmallkatakanahalfwidth |
| N omonospace | N ostrokeacute |
| N one | N otcyrillic |
| N onearabic | N otilde |
| N onebengali | N otildeacute |
| N onecircle | N otildedieresis |
| N onecircleinversesansserif | N oubopomofo |
| N onedeva | N overline |
| N onedotenleader | N overlinecenterline |
| N oneeighth | N overlinecmb |
| N onegujarati | N overlinedashed |
| N onegurmukhi | N overlinedblwavy |
| N onehackarabic | N overlinewavy |
| N onehalf | N overscore |
| N onehangzhou | N ovowelsignbengali |
| N oneideographicparen | N ovowelsigndeva |
| N oneinferior | N ovowelsigngujarati |

| | |
|-----------------------------|------------------------|
| N p | N pazerhebrew |
| N paampssquare | N pbopomofo |
| N paasentosquare | N pcircle |
| N pabengali | N pdotaccent |
| N pacute | N pe |
| N padeva | N pecyrillic |
| N pagedown | N pedagesh |
| N pageup | N pedageshhebrew |
| N pagujarati | N peezisquare |
| N pagurmukhi | N pefinaldageshhebrew |
| N pahiragana | N peharabic |
| N paiannoithai | N peharmenian |
| N pakatakana | N pehebrew |
| N palatalizationcyrilliccmb | N pehfinalarabic |
| N palochkacyrillic | N pehinitialarabic |
| N pansioskorean | N pehiragana |
| N paragraph | N pehmedialarabic |
| N parallel | N pekatakana |
| N parenleft | N pemiddlehookcyrillic |
| N parenleftalttonearabic | N perafehebrew |
| N parenleftinferior | N percent |
| N parenleftmonospace | N percentarabic |
| N parenleftsmall | N percentmonospace |
| N parenleftsuperior | N percentsmall |
| N parenleftvertical | N period |
| N parenright | N periodarmenian |
| N parenrightalttonearabic | N periodcentered |
| N parenrightinferior | N periodhalfwidth |
| N parenrightmonospace | N periodmonospace |
| N parenrightsmall | N periodsmall |
| N parenrightsuperior | N perispomenigreekcmb |
| N parenrightvertical | N perpendicular |
| N partialdiff | N perthousand |
| N paseqhebrew | N peseta |
| N pashtahebrew | N pfsquare |
| N pasquare | N phabengali |
| N patah | N phadeva |
| N patah11 | N phagujarati |
| N patah1d | N phagurmukhi |
| N patah2a | N phi |
| N patahhebrew | N phil |
| N patahnarrowhebrew | N phieuphacirclekorean |
| N patahquarterhebrew | N phieuphaparenkorean |
| N patahwidehebrew | N phieuphcirclekorean |

| | |
|---------------------------|----------------------------|
| N phieuphkorean | N postalmarkface |
| N phieuphparenkorean | N pparen |
| N philatin | N precedes |
| N phinthuthai | N prescription |
| N phisymbolgreek | N primemod |
| N phook | N primereversed |
| N phophanthai | N product |
| N phophungthai | N projective |
| N phosamphaothai | N prolongedkana |
| N pi | N propellor |
| N pieupacirclekorean | N propersubset |
| N pieupaparenkorean | N proper superset |
| N pieupcieuckorean | N proportion |
| N pieupcirclekorean | N proportional |
| N pieupkiyeokkorean | N psi |
| N pieupkorean | N psicyrillic |
| N pieupparenkorean | N psilipneumatacyrilliccmb |
| N pieupsioskiyeokkorean | N pssquare |
| N pieupsioskorean | N puhiragana |
| N pieupsiosstikeutkorean | N pukatakana |
| N pieupthieuthkorean | N pvsquare |
| N pieuptikeutkorean | N pwsquare |
| N pihiragana | N q |
| N pikatakana | N qadeva |
| N pisymbolgreek | N qadmahebrew |
| N piwrarmenian | N qafarabic |
| N plus | N qaffinalarabic |
| N plusbelowcmb | N qafinitiarabic |
| N pluscircle | N qafmedialarabic |
| N plusminus | N qamats |
| N plusmod | N qamats10 |
| N plusmonospace | N qamats1a |
| N plussmall | N qamats1c |
| N plus superior | 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 qamatwidebrew | N questiongreek |
| N qarneyparahebrew | N questionmonospace |
| N qbopomofo | N quotedbl |
| N qcircle | N quotedblbase |
| N qhook | N quotedblleft |
| N qmonospace | N quotedblmonospace |
| N qof | N quotedblprime |
| N qofdagesh | N quotedblprimereversed |
| N qofdageshhebrew | N quotedblright |
| N qofhatafpatah | N quoteleft |
| N qofhatafpatahhebrew | N quoteleftreversed |
| N qofhatafsegol | N quotereversed |
| N qofhatafsegolhebrew | N quoteright |
| N qofhebrew | N quoterightn |
| N qofhiriq | N quotesinglbase |
| N qofhiriqhebrew | N quotesingle |
| N qofholam | N quotesinglemonospace |
| N qofholamhebrew | N r |
| N qofpatah | N raarmenian |
| N qofpatahhebrew | N rabengali |
| N qofqamats | N racute |
| N qofqamatshebrew | N radeva |
| N qofqubuts | N radical |
| N qofqubutshebrew | N radoverssquare |
| N qofsegol | N radoverssquaresquare |
| N qofsegolhebrew | N radsquare |
| N qofsheva | N rafe |
| N qofshevahebrew | N rafehebrew |
| N qoftsere | N ragujarati |
| N qoftserehebrew | N ragurmukhi |
| N qparen | N rahiragana |
| N quarternote | N rakatakana |
| N qubuts | N rakatakanahalfwidth |
| N qubuts18 | N ralowerdiagonalbengali |
| N qubuts25 | N ramiddlediagonalbengali |
| N qubuts31 | N ramshorn |
| N qubutshebrew | N ratio |
| N qubutsnarrowhebrew | N rbopomofo |
| N qubutsquarterhebrew | N rcaron |
| N qubutswidehebrew | N rcedilla |
| N question | N rcircle |
| N questionarabic | N rcommaaccent |
| N questionarmenian | N rdblgrave |
| N questiondown | N rdotaccent |

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|------------------------|--------------------------|
| N rdotbelow | N rho |
| N rdotbelowmacron | N rhoook |
| N referencemark | N rhoookturned |
| N reflexsubset | N rhoookturnedsuperior |
| N reflexsuperset | N rhosymbolgreek |
| N registered | N rhotichookmod |
| N reharabic | N rieulacirclekorean |
| N reharmenian | N rieulaparenkorean |
| N rehfinalarabic | N rieulcirclekorean |
| N rehiragana | N rieulhieuhkorean |
| N rehyehaleflamarabic | N rieulkiyeokkorean |
| N rekatakana | N rieulkiyeoksioskorean |
| N rekatakanahalfwidth | N rieulkorean |
| N resh | N rieulmieumkorean |
| N reshdageshhebrew | N rieulpansioskorean |
| N reshhatafpatah | N rieulparenkorean |
| N reshhatafpatahhebrew | N rieulphieuphkorean |
| N reshhatafsegol | N rieulpieupkorean |
| N reshhatafsegolhebrew | N rieulpieupsioskorean |
| N reshhebrew | N rieulsioskorean |
| N reshhiriq | N rieulthieuthkorean |
| N reshhiriqhebrew | N rieultikeutkorean |
| N reshholam | N rieulyeorinhieuhkorean |
| N reshholamhebrew | N rightangle |
| N reshpatah | N righttackbelowcmb |
| N reshpatahhebrew | N righttriangle |
| N reshqamats | N rihiragana |
| N reshqamatshebrew | N rikatakana |
| 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 rmonospace | N sakatakana |
| N rohiragana | N sakatakanahalfwidth |
| N rokatakana | N sallallahoualayhewasallamarabic |
| N rokatakanahalfwidth | N samekh |
| N roruathai | N samekhdagesh |
| N rparen | N samekhdageshhebrew |
| N rrabengali | N samekhhebrew |
| N rradeva | N saraaathai |
| N rragurmukhi | N saraaethai |
| N rreharabic | N saraaimaimalaithai |
| N rrehfinalarabic | N saraaimaimuanthai |
| N rrvocalicbengali | N saraamthai |
| N rrvocalicdeva | N saraathai |
| N rrvocalicgujarati | N saraethai |
| N rrvocalicvowelsignbengali | N saraiithai |
| N rrvocalicvowelsigndeva | N saraithai |
| N rrvocalicvowelsigngujarati | N saraothai |
| N rtblock | N sarauethai |
| N rturned | N sarauethai |
| N rturnedsuperior | N sarauthai |
| N ruhiragana | N sarauuthai |
| N rukatakana | N sbopomofo |
| N rukatakanahalfwidth | N scaron |
| N rupeemarkbengali | N scarondotaccent |
| N rupeesignbengali | N scedilla |
| N ruthai | N schwa |
| N rvocalicbengali | N schwacyrillic |
| N rvocalicdeva | N schwadiesiscyrillic |
| N rvocalicgujarati | N schwahook |
| N rvocalicvowelsignbengali | N scircle |
| N rvocalicvowelsigndeva | N scircumflex |
| N rvocalicvowelsigngujarati | N scommaaccent |
| N s | N sdotaccent |
| N sabengali | N sdotbelow |
| N sacute | N sdotbelowdotaccent |
| N sacutedotaccent | N seagullbelowcmb |
| N sadarabic | N second |
| N sadeva | N secondtonechinese |
| N sadfinalarabic | N section |
| N sadinitialarabic | N seenarabic |
| N sadmedialarabic | N seenfinalarabic |
| N sagujarati | N seeninitialarabic |
| N sagurmukhi | N seenmedialarabic |
| N sahiragana | N segol |

N segol13
 N segol1f
 N segol2c
 N segolhebrew
 N segolnarrowhebrew
 N segolquarterhebrew
 N segoltahebrew
 N segolwidehebrew
 N seharmerian
 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 sevendeve
 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 shaddadammarabic
 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 shalshethebrew
 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 sixpersian |
| N shindothebrew | N sixroman |
| N shinhebrew | N sixsuperior |
| N shinshindot | N sixteencircle |
| N shinshindothebrew | N sixteencurrencydenominatorbengali |
| N shinsindot | N sixteenparen |
| N shinsindothebrew | N sixteenperiod |
| N shook | N sixthai |
| N sigma | N slash |
| N sigma1 | N slashmonospace |
| N sigmafinal | N slong |
| N sigmalunatesymbolgreek | N slongdotaccent |
| N sihiragana | N smileface |
| N sikatakana | N smonospace |
| N sikatakanahalfwidth | N sofasughebrew |
| N siluqhebrew | N softlyphen |
| N siluqllefthebrew | N softsigncyrillic |
| N similar | N sohiragana |
| N sindothebrew | N sokatakana |
| N siosacirclekorean | N sokatakanahalfwidth |
| N siosaparenkorean | N soliduslongoverlaycmb |
| N sioscieuckorean | N solidusshortoverlaycmb |
| N sioscirclekorean | N sorusithai |
| N sioskiyeokkorean | N osalathai |
| N sioskorean | N sosothai |
| N siosnieunkorean | N sosuathai |
| N siosparenkorean | N space |
| N siospieupkorean | N spacehackarabic |
| 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 |

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| N squaremsquared | N tagurmukhi |
| N squareorthogonalcrosshatchfill | N taharabic |
| N squareupperleftttolowerrightfill | N tahfinalarabic |
| N squareupperrightttolowerleftfill | N tahinitialarabic |
| N squareverticalfill | N tahiragana |
| N squarewhitewithsmallblack | N tahmedialarabic |
| N srsquare | N taisyouerasquare |
| N ssabengali | N takatakana |
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| N succeeds | N tchehmeeminitialarabic |
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| N sukatakana | N tcommaaccent |
| N sukatakanahalfwidth | N tdieresis |
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| N superset | N tedescendercyrillic |
| N supersetnotequal | N teharabic |
| N supersetorequal | N tehfinalarabic |
| N svsquare | N tehhahinitialarabic |
| N syouwaerasquare | N tehhahisolatedarabic |
| N t | N tehinitialarabic |
| N tabengali | N tehiragana |
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| N tehmedialarabic | N thirteencircle |
| N tehmeeminitialarabic | N thirteenparen |
| N tehmeemisolatedarabic | N thirteenperiod |
| N tehnoonfinalarabic | N thonangmonthothai |
| N tekatakana | N thook |
| N tekatakanahalfwidth | N thophuthaothai |
| N telephone | N thorn |
| N telephoneblack | N thothahanthai |
| N telishagedolahebrew | N thothanthai |
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| N thalarabic | N threemonospace |
| N thalfinalarabic | N threenumeratorbengali |
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| N thetasymbolgreek | N tikatakana |
| N thieuthacirclekorean | N tikatakanahalfwidth |
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| N tildecomb | N tsadi |
| N tildedoublecmb | N tsadidagesh |
| N tildeoperator | N tsadidageshhebrew |
| N tildeoverlaycmb | N tsadihebrew |
| N tildeverticalcmb | N tsecyrillic |
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| N tipehahebrew | N tsere12 |
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| N tiwnarmenian | N tserenarrowhebrew |
| N tlinebelow | N tserequarterhebrew |
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| F btxauthor | F btxsetregister |
| F btxauthorfield | F btxsetspecification |
| F btxauthorortoregister | 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 |

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|--------------------------|------------------------------|
| F converteddimen | F definefontsolution |
| F converttmpstopdf | F definehyphenationfeatures |
| F copyboxfromcache | F defineinsertion |
| F copyposition | F defineintermediatecolor |
| F cos | F definelabels |
| F cosd | F definelanguage |
| F countervalue | F definelinefiller |
| F counttwopassdata | F definelinkedlist |
| F currentcomponent | F definemarking |
| F currentdate | F definemetafont |
| F currentdesignsize | F definemultitonecolorglobal |
| F currentenvironment | F definenamespace |
| F currentpostthyphenchar | F definenote |
| F currentprehyphenchar | F defineparallel |
| F currentproduct | F defineparbuilder |
| F currentproject | F defineprocesscolordummy |
| F currentreferenceorder | F defineprocesscolorglobal |
| F currentsectiontolist | F defineprocesscolorlocal |
| F datasetvariable | F defineprogram |
| F dayname | F definereference |
| F decimals | F defineregister |
| F decrementcounter | F definerule |
| F decrementedcounter | F definesectionlevels |
| F decrementsubcounter | F defineshift |
| F defineaccents | F definesnapmethod |
| F defineattribute | F definespotcolorglobal |
| F definebreakpoint | F definestructureblock |
| F definebreakpoints | F definestructureset |
| F definecharacterspacing | F definetransparency |
| F definechemical | F definetransparencyglobal |
| F definecolumnset | F definetwopasslist |
| F defineconversion | F definetypface |
| F definecounter | F defineviewerlayer |
| F definedlayoutcomponent | F depthnumber |
| F definefallbackfamily | F digits_normal |
| F definefield | F digits_reverse |
| F definefieldset | F directboxfromcache |
| F definefilefallback | F directcopyboxfromcache |
| F definefilesynonym | F disableautofontscript |
| F definefont_one | F disabledirectives |
| F definefont_two | F disableexperiments |
| F definefontfamily | F disablejobsave |
| F definefontfamilypreset | F disableparbuilder |
| F definefontfeature | F disableregime |

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|---------------------------------|-------------------------------|
| F disablespellchecking | F doifelsepositionsonthispage |
| F disablestatetriggering | F doifelsepositionsused |
| F disablestream | F doifelserangeonpage |
| F disabletrackers | F doifelserereference |
| F discardfromlist | F doifelserightttoleftinbox |
| 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 doifnoteonsamepagesprevious |
| 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 doifselisthasentry | F dosaveposition |
| F doifselisthasnumber | F dosavepositionplus |
| F doifselisthaspage | F dosavepositionwhd |
| F doifselisthastitle | F dosetposition |
| F doifselocfile | 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 |

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|---------------------------------|-------------------------------|
| F enablecolorintents | F figure_identify |
| F enablecrlf | F figure_include |
| F enabledirectives | F figure_mergegoodies |
| F enableexperiments | F figure_nof_registered_pages |
| F enablefontcolorsschemes | F figure_pop |
| F enableinteraction | F figure_push |
| F enablelinefillers | F figure_register_page |
| F enableparbuilder | F figure_reset |
| F enableregime | F figure_scale |
| F enablerules | F figurefilename |
| F enableshifts | F figurefilepath |
| F enablespellchecking | F figurefiletype |
| F enablestatetriggering | F figurerequest |
| F enablestream | F figuresetdimensions |
| F enabletrackers | F figurestatus |
| F enabletransparency | F figureused |
| F enableutf | F filterdefaultreference |
| F enhancelinkedlist | F filterreference |
| F enhancelist | F finalizebox |
| F enhancereference | F findregisterinternal |
| F enhanceregister | F findtwopassdata |
| F eposcolumn | F finishcolumnsetflush |
| F eposcolumnregistered | F finishexport |
| F erasebuffer | F firstcountervalue |
| F execute | F firstinset |
| F expandcurrentreference | F firstsubcountervalue |
| F exportformdata | F flushcolumnsetareas |
| F exportreferences | F flushcolumnsetcolumn |
| F extendregister | F flushcolumnsetrest |
| F extensiblecode | F flushfloat |
| F 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 |

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

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|-------------------------|------------------------------|
| F injectreference | F locfilename |
| F inlinechemical | F lower |
| F inputfilebarename | F lpdf_adddocumentcolorspace |
| F inputfilename | F lpdf_adddocumenttextgstate |
| F inputfilerealsuffix | F lpdf_adddocumentpattern |
| F inputfilesuffix | F lpdf_adddocumentshade |
| F insertattachment | F lpdf_addtocatalog |
| F insertcomment | F lpdf_addtoinfo |
| F insertfield | F lpdf_addtonames |
| F insertionnumber | F lpdf_addtopageattributes |
| F insertrenderingwindow | F lpdf_addtopageresources |
| F installedlanguages | F lpdf_addtopagesattributes |
| F installtexdirective | F lpdf_collectedresources |
| F installtextracker | F lpdf_color |
| F jobfilefullname | 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 |

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|------------------------------|---------------------------|
| F mpflushliteral | F overloadlowercase |
| F mpflushreset | F overloaduppercase |
| F mpgettext | F pageofinternal |
| F mpgraphic | F pagestaterealpage |
| F mpoptions | F parpos |
| F mppopvariables | F pdfrotation |
| F mppushvariables | F pdfstartmatrix |
| F mprunset | F pdfstartmirroring |
| F mpruntab | F pdfstartrotation |
| F mprunvar | F pdfstartscaling |
| F mpsetclippath | F pdfstopmatrix |
| F mpsetoutercolor | F pdfstopmirroring |
| F mpsetsxsy | F pdfstoprotation |
| F mpsettext | F pdfstopscaling |
| F mptexget | F percentageof |
| F mptexreset | F pgfxcolorspec |
| F mptexset | F pickupbuffer |
| F mptexsetfrombuffer | F pickupmarkedcontent |
| F namedstructureuservariable | F pickuppunctuation |
| F namedstructurevariable | F placeparallel |
| F naturalwd | F popfloat |
| F nbfs | F pophyphenation |
| F negatedcolorcomponent | 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 postponeotes |
| F noteinternal | F prefixedconverted |
| F notelistindex | F prepareMPvariable |
| F noteprefixednumber | F preparecolumnsetflush |
| F notetitle | F presetmathalternate |
| F ntimes | F presetsymbollist |
| F number | F presettabulate |
| F numbers | F previouscountervalue |
| F octnumber | F previoussubcountervalue |
| F octstringtonumber | F processbodyfontsizes |
| F operatingsystem | F processbuffer |
| F ordinal | F processcolorcomponents |
| F outputfilename | F processedfile |
| F overloadbookmark | F processedfiles |
| F overloaderror | F processfile |

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|--------------------------------|------------------------------|
| F processfilemany | F registerhyphenationpattern |
| F processfilenone | F registeritemgroup |
| F processfileonce | F registerlanguagefeatures |
| F processjob | F registerlinenumbers |
| F processlist | F registermaintextcolor |
| F processregister | F registermpyfile |
| F processsplit | F registernamedlua |
| F processsynonyms | F registernamespace |
| F profilebox | F registerobject |
| F purefontname | F registerpattern |
| F pushfloat | F registerpostponedblock |
| F pushhyphenation | F registerreferencedobject |
| F pushitaliccorrection | F registerrendering |
| F pushlist | F registersection |
| F pushpath | F registershownsynonym |
| F pushrandomseed | F registerstructureprocessor |
| F pushreferenceprefix | F registersynonym |
| F pushregime | F registerunit |
| F pushsectionblock | F registerusedsynonym |
| F pushstream | F registeruserdata |
| F putboxincache | F relatemarking |
| F putincolumnset | F renderingvar |
| F rawcharacter | F replacefeature |
| F rawcountervalue | F replacepospxywhd |
| F rawdate | F reportstructure |
| F rawsetupstring | F resavefloat |
| F rawsubcountervalue | F resetboxesincache |
| F referencepagedetail | F resetcharacteralign |
| F referencepagestate | F resetcolumnset |
| F referencerealpage | F resetcounter |
| F registerattachment | F reseteffect |
| F registerbackendsymbol | F resetfeature |
| F registerbodyfontsize | F resetfontfeature |
| F registerbookmark | F resetfontsolution |
| F registerbuttons | F resetinjector |
| F registercolorintent | F resetitaliccorrection |
| F registercolumnsetarea | F resetmapfiles |
| F registeredviewerlayer | F resetmarking |
| F registerfigurepattern | F resetmathattributes |
| F registerfiguresuffix | F resetmathitalics |
| F registerfontalternative | F resetnullfont |
| F registerfontfamily | F resetparallel |
| F registerhelp | F resetpath |
| F registerhyphenationexception | F resetprevdepth |

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|----------------------------|------------------------------|
| F resetreference | F setcharactercasing |
| F resetscript | F setcharactercleaning |
| F resetshownsynonyms | F setcharacterkerning |
| F resetstructureprocessor | F setcharacterspacing |
| F resetsubcounter | F setcharacterstripping |
| F resettimer | F setcloseddocumentaction |
| F resettrackers | F setclosepageaction |
| F resetusedsynonyms | F setcolormodel |
| F restartcounter | F setcolumnsetarea |
| F restartsubcounter | F setcolumnsetlines |
| F restorecounter | F setcolumnsetproperties |
| F restorecurrentattributes | F setcolumnsetstart |
| F restorenote | F setcounter |
| F restoreobject | F setdataset |
| 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 |

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|----------------------------|--------------------------|
| F setinjector | F setrealspaces |
| F setinnerreferencemethod | F setreferencearguments |
| F setinsertionlocation | F setreferenceoperation |
| F setinterfaceconstant | F setregionbox |
| F setinterfaceelement | F setregionboxtagged |
| F setinterfacemessage | F setregistermethod |
| F setinterfacemessages | F setreplacements |
| F setinterfacevariable | F setscript |
| F setinternalreference | F setsectionblock |
| F setitaliccorrection | F setsectionentry |
| F setjavascriptpreamble | F setstructureblockstate |
| F setjobcomment | F setstructurelevel |
| F setlanguageexceptions | F setstructurenumber |
| F setlanguagesynonym | F setsubcounter |
| 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 settagssentencesymbol |
| F setopendocumentaction | F settagssynonym |
| 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 setuserinterface
F setvalidinterfacekeys
F setvisual
F setvisualfont
F setvisuallayer
F setvisuals
F setvsizecolumnset
F setxmpfile
F showassignerror
F showattributes
F showcounter
F showdebuginfo
F showdirectives
F showdiscretionaries
F showexperiments
F showhyphenatedinlist
F showhyphenationtrace
F showinjector
F showjustification
F showlogcategories
F showmessage
F showtrackers
F sin
F sind
F specifiedfont
F specifiedfontsize
F specifiedfontspec
F splitfilename
F spotcolorname
F spotcolorparent
F spotcolorvalue
F startactualtext
F startchemical
F startcolorset
F startcomponent
F startenvironment
F startfontsolution
F startparbuilder
F startproduct
F startproject
F startregime
F startsectionlevel
F startstream
F starttag

F starttag_c
F starttag_d
F starttag_u
F starttext
F startviewerlayer
F step
F stopactualtext
F stopchemical
F stopcolorset
F stopcomponent
F stopenvironment
F stopfontsolution
F stopparbuilder
F stopproduct
F stopproject
F stopregime
F stopsectionlevel
F stopstream
F stoptag
F stoptext
F stopviewerlayer
F storejavascriptcode
F storejavascriptpreamble
F storenote
F storeregister
F strdp
F strhd
F strht
F strip
F structureautocatcodedget
F structurecatcodedget
F structuregivencatcodedget
F structurenumber
F structuretitle
F structureuservariable
F structurevariable
F strwd
F subcountervalue
F subcountervalues
F subsubcountervalues
F subtractfeature
F synccolor
F synccolorclone
F synccolorcount

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|--------------------------|-------------------------------------|
| F synchronizemarking | F useluafilename |
| F synchronizestream | F useluafilenameonce |
| F synonymmeaning | F useluamodule |
| F synonymname | F usemodules |
| F systemlog | F usepath |
| F tagmfunctionlab | F useproduct |
| F tagmfunctiontxt | F useproject |
| F tan | F usesubpath |
| F tand | F usesymbols |
| F texdefinition_one | F usetexfile |
| F texdefinition_two | F usetexfilenameonce |
| F textime | F useurl |
| F thefirstcharacter | F usexmlfile |
| F themaxboxwidth | F usexmlfilenameonce |
| F theremainingcharacters | F usezipfile |
| F tochar | F utfchar |
| F transparencycomponents | F utfmathclass |
| F triggerpagebuilder | F utfmathcommand |
| F truefilename | F utfmathcommandabove |
| F type | F utfmathcommandbelow |
| F typebuffer | F utfmathcommandfiller |
| F typefile | F utfmathfiller |
| F uchar | F utfmathstretch |
| F uchexnumber | F vboxlisttohbox |
| F uchexnumbers | F verbose |
| F undefinechemical | F vspacing |
| F unicodechar | F vspacingcollapse |
| F unihex | F vspacingcollapseonly |
| F unit_normal | F vspacingdefine |
| F unit_reverse | F vspacingsetamount |
| F unloadlanguage | F vspacingsnap |
| F upper | F way |
| F useMPlibrary | F weekday |
| F useanyfile | F weekdayname |
| F useanyfilenameonce | F writestatus |
| F useclfile | F x_table_c |
| F useclfileonce | F x_table_cleanup |
| F usecolors | F x_table_construct |
| F usecomponent | F x_table_create |
| F useenvironment | F x_table_finish_row |
| F usefigurebase | F x_table_flush |
| F usefile | F x_table_init_construct |
| F usejavascriptpreamble | F x_table_init_reflow_height |
| F usejavascriptscripts | F x_table_init_reflow_height_option |

| | |
|------------------------------------|-----------------------|
| F x_table_init_reflow_width | F xmldoifnottext |
| F x_table_init_reflow_width_option | F xmldoifselfempty |
| F x_table_next_row | F xmldoiftext |
| F x_table_next_row_option | F xmlelement |
| F x_table_r | F xmlfilter |
| F x_table_reflow_height | F xmlfilterlist |
| F x_table_reflow_width | F xmlfirst |
| F x_table_set_construct | F xmlflush |
| F x_table_set_reflow_height | F xmlflushcontext |
| F x_table_set_reflow_width | F xmlflushlinewise |
| F xmladdindex | F xmlflushpure |
| F xmlaftersetup | F xmlflushsetups |
| F xmlall | F xmlflushspacewise |
| F xmlappendsetup | F xmlflushtext |
| F xmlapplyselectors | F xmlfunction |
| F xmlatt | F xmlgetindex |
| F xmlattdef | F xmlinclude |
| F xmlattribute | F xmlincludeoptions |
| F xmlattributedef | F xmlinclusion |
| F xmlbadinclusions | F xmlinclusions |
| F xmlbeforesetup | F xmlindex |
| F xmlchainatt | F xmlinlineverbatim |
| F xmlchainattdef | F xmlinstalldirective |
| F xmlchecknamespace | F xmllast |
| F xmlcommand | F xmllastatt |
| F xmlconcat | F xmllastmatch |
| F xmlconcatrange | F xmlload |
| F xmlcontext | F xmlloadbuffer |
| F xmlcount | F xmlloaddata |
| F xmldelete | F xmlloaddirectives |
| F xmldirect | F xmlloadentities |
| F xmldirectives | F xmlmain |
| F xmldirectivesafter | F xmlmatch |
| F xmldirectivesbefore | F xmlname |
| F xmldisplayverbatim | F xmlnamespace |
| F xmldoif | F xmlnonamespace |
| F xmldoifelse | F xmlpath |
| F xmldoifelseempty | F xmlpos |
| F xmldoifelseselfempty | F xmlprependsetup |
| F xmldoifelsetext | F xmlpure |
| F xmldoifempty | F xmlraw |
| F xmldoifnot | F xmlrawtex |
| F xmldoifnotempty | F xmlrefatt |
| F xmldoifnotselfempty | F xmlregisters |

| | | |
|-----------------------|-------------------------|------------|
| F xmlremapname | F xmltoparameters | |
| F xmlremapnamespace | F xmlverbatim | |
| F xmlremovesetup | F xmlwithindex | |
| F xmlresetinjectors | F year | |
| F xmlresetsetups | setconstant | function |
| F xmlsave | setcount | function |
| F xmlsetcommandtonone | setdimen | function |
| F xmlsetcommandtotext | setelement | function |
| F xmlsetentity | setformat | function |
| F xmlsetinjectors | setmacro | function |
| F xmlsetsetup | setmessage | function |
| F xmlsnippet | setmessages | function |
| F xmlstartraw | settranslation | function |
| F xmlstarttiming | setupstrings | data table |
| F xmlstopraw | setuserinterface | function |
| F xmlstoptiming | setvalidkeys | function |
| F xmlstrip | setvariable | function |
| F xmlstripanywhere | showmessage | function |
| F xmlstripnolines | storedscanners | data table |
| F xmlstripped | strings | table |
| F xmlstrippednolines | syntax | data table |
| F xmltag | tolist | function |
| F xmltexentity | translations | data table |
| F xmltext | usednamespaces | data table |
| F xmltobuffer | variables | data table |
| F xmltobufferverbose | writestatus | function |
| F xmltofile | | |

io (basic lua)

| | | | |
|----------------------|---------------------|----------------------|---------------------|
| ask | function | output | overloaded function |
| bytes | function | pathseparator | string |
| characters | function | popen | overloaded function |
| close | function | read | function |
| copydata | 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 |

job (context)

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

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

lang (basic tex)

| | |
|--------------------------|----------|
| clean | function |
| clear_hyphenation | function |
| clear_patterns | function |
| exceptions | function |
| gethjcode | function |
| hyphenate | function |
| hyphenation | function |
| hyphenationmin | function |

| | |
|-------------------------|----------|
| id | function |
| new | function |
| patterns | function |
| postexhyphenchar | function |
| posthyphenchar | function |
| preexhyphenchar | function |
| prehyphenchar | function |
| sethjcode | function |

languages (context)

| | | | |
|-------------------------------|------------|---------------------------------|------------|
| associate | function | F registerexception | |
| associated | data table | F registerpattern | |
| association | function | F setfeatures | |
| counters | data table | installed | function |
| current | function | labels | table |
| data | data table | F define | |
| decimals | data table | F split | |
| define | function | loadable | function |
| expand | function | loadwords | function |
| expanders | table | logger | table |
| frequencies | table | F report | |
| F averagecharwidth | | numbers | data table |
| F getdata | | postexhyphenchar | function |
| getdata | function | posthyphenchar | function |
| getnumber | function | preexhyphenchar | function |
| hjcounts | table | prehyphenchar | function |
| hyphenate | function | registered | data table |
| hyphenators | table | replacements | table |
| T dictionaries | | F add | |
| D featuresets | | F handler | |
| F handler | | F set | |
| T methods | | serializediscretionary | function |
| F expanded | | setexceptions | function |
| B none | | setsynonym | function |
| F original | | showdiscretionaries | function |
| F tex | | unload | function |
| F traditional | | urls | table |
| 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 | |

B enables

T methods

F found

N threshold

F load

layouts (context)

| | | |
|---------------|--------------|-------------------------|
| status | table | F leftorrightpageaction |
| | F isleftpage | |

lfs (extra lua)

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

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

lmx (context)

| | |
|--------------------------|----------|
| color | function |
| convert | function |
| convertfile | function |
| convertstring | function |
| einject | function |
| eprint | function |
| escape | function |
| finalized | function |
| finject | function |
| fprint | function |
| get | function |
| getvariables | function |
| htmfile | function |
| html | table |
| F a | |
| F td | |
| F th | |
| include | function |
| inherited | table |
| S color-background-four | |
| S color-background-one | |
| S color-background-three | |
| S color-background-two | |
| S title | |
| initialize | function |
| inject | function |
| lmxfile | function |

| | |
|---------------------------|----------|
| loadedfile | function |
| make | function |
| new | function |
| overloaderror | function |
| popupfile | function |
| print | function |
| pv | function |
| report | function |
| reset | function |
| result | function |
| set | function |
| show | function |
| showdebuginfo | function |
| showerror | 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 |
| categories | function |
| direct | function |
| disable | function |
| enable | function |
| exporters | table |
| extendbanner | function |
| flush | function |
| help | function |
| messenger | function |
| new | function |
| newline | function |
| poptarget | function |
| pushtarget | function |
| report | function |
| reportbanner | function |
| reporter | function |
| reporters | table |
| F banner | |
| F export | |
| F help | |
| F info | |
| F lines | |
| F version | |
| reportline | function |

| | |
|--------------------------|----------|
| reportlines | function |
| setformats | function |
| setformatters | function |
| setlogfile | function |
| setmessenger | function |
| setprocessor | function |
| setprogram | function |
| settarget | function |
| settimedlog | function |
| settranslations | function |
| show | function |
| show_close | function |
| show_load | function |
| show_open | function |
| simple | function |
| simpleline | function |
| simplelines | function |
| start_page_number | function |
| status | function |
| stop_page_number | function |
| subdirect | function |
| subreport | function |
| system | function |
| texerrormessage | function |
| writer | function |

lpdf (context)

| | | | |
|---------------------------------|------------|----------------------------------|------------|
| action | function | finalizedocument | function |
| adddocumentcolorspace | function | finalizepage | function |
| adddocumenttextgstate | 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 |
| addtxmpinfo | function | getpos | function |
| annotationspecification | function | getvpos | function |
| array | function | graycode | function |
| boolean | function | hasmatrix | function |
| border | function | id | function |
| checkedkey | function | injecttxmpinfo | function |
| checkedvalue | function | inserttxmpinfo | function |
| circularshade | function | layerreference | function |
| cmykcode | function | limited | function |
| collectedresources | function | linearshade | function |
| color | function | nametree | function |
| colorspace | function | null | function |
| colorspaceconstants | data table | number | function |
| colorspec | function | pagereference | function |
| colorvalue | function | patternstream | function |
| colorvalues | function | pdfcolor | function |
| constant | function | pdftimestamp | function |
| delayedobject | function | permitdetail | function |
| destinationspecification | function | protectresources | boolean |
| dictionary | function | rectangle | function |
| docstring | function | reference | function |
| epdf | table | registerannotation | function |
| F contenttotext | | registerdestination | function |
| F expand | | registerdocumentfinalizer | function |
| F expanded | | registerpagefinalizer | function |
| F getpagecontent | | registerpattern | function |
| F getstructure | | reserveobject | function |
| F load | | rgbcode | function |
| F unload | | rotationcm | function |
| escaped | function | setdates | function |

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

lpeg (basic lua)

| | | | |
|---------------------|----------|------------------------------|------------|
| B | function | finder | function |
| C | function | firstofsplit | function |
| Carg | function | frontstripper | function |
| Cb | function | instrchecker | 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 |
| bytdone | 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
registerdumpactions function
registerpageactions function
registerstartactions function

registerstopactions function
registertempfile function
starttime number

lxml (context)

| | | | |
|------------------------|------------|-----------------------|----------|
| addindex | function | flush | function |
| all | function | flushlinewise | function |
| applyfunction | function | flushsetups | function |
| applyselectors | function | flushspacewise | function |
| att | function | get_id | function |
| attribute | function | getid | function |
| badinclusions | function | getindex | function |
| chainattribute | function | id | function |
| checkindex | function | idsplitter | userdata |
| collected | function | include | function |
| command | function | inclusion | function |
| concat | function | inclusions | function |
| concatrange | function | index | function |
| content | function | inlineverbatim | function |
| context | function | installsetup | function |
| convert | function | last | function |
| count | function | lastatt | function |
| delete | function | lastmatch | function |
| direct | function | load | function |
| directives | table | loadbuffer | function |
| F after | | loaddata | function |
| F before | | loaded | table |
| F handle | | main | function |
| F load | | match | function |
| F setup | | name | function |
| displayverbatim | function | namespace | function |
| doif | function | nonspace | function |
| doifelse | function | path | function |
| doifelseempty | function | pos | function |
| doifsetext | 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 | startunesaped | function |
| serialize | function | stopraw | function |
| setaction | function | stopunesaped | 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 |
| F add | | tofile | function |
| F compare | | toparameters | function |
| F flush | | toverbatim | function |
| F reset | | verbatim | function |
| F show | | withindex | function |
| F sort | | xmltexhandler | data table |
| splitid | function | | |

math (basic lua)

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

mathematics (context)

| | | | |
|-------------------------------|------------|-------------------------------|------------|
| addfallbacks | function | injectfallbacks | function |
| alphabets | data table | makefont | function |
| alternatives | data table | mapremap | data table |
| big | function | overloadadditions | function |
| boldmap | data table | overloadparameters | function |
| categories | table | privatebase | number |
| D functions | | registerdomain | function |
| charactersets | data table | remapalphabets | function |
| checkaccentbaseheight | function | renderings | table |
| checkprivateparameters | function | D mappings | |
| classes | data table | D numbers | |
| codes | data table | D sets | |
| define | function | renderset | function |
| dimensions | function | resetattributes | function |
| domains | table | resetitalics | function |
| extensiblecode | function | scaleparameters | 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 |

mbox (context)

| | |
|----------------------|----------|
| parse | function |
| parse_from | function |
| parse_header | function |
| parse_headers | function |

| | |
|----------------------|----------|
| parse_message | function |
| split_headers | function |
| split_mbox | function |
| split_message | function |

md5 (extra lua)

HEX function

crypt function

dec function

decrypt function

exor function

hex function

sum function

sumhexa function

metapost (context)

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

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

mime (extra lua)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

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

| | | | |
|-------------------------|----------|----------------------|----------|
| <code>F numeric</code> | | quadruple | function |
| <code>F string</code> | | 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 unscript | |
| F autofences | | F variants | |
| F classes | | process | function |
| F collapse | | processnested | function |
| F domains | | processors | table |
| F families | | T autofences | |
| F italics | | T collapse | |
| F relocate | | F mlist_to_hlist | |
| F render | | T relocate | |
| F resize | | T render | |
| F showtree | | T resize | |
| F tags | | T unscript | |
| | | processouter | function |

node (basic tex)

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

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

nodes (context)

| | | | |
|------------------------------|------------|-------------------------------|------------|
| accentcodes | data table | firstcharacter | function |
| aligned | function | firstcharinbox | function |
| append | function | firstdirinbox | function |
| astable | function | firstglyph | function |
| basepoints | function | flush | function |
| boundarycodes | data table | flush_list | function |
| boxes | table | flush_node | function |
| F dimensions | | free | function |
| F direct | | fullhpack | function |
| F reset | | getbox | function |
| F restore | | getchar | function |
| F save | | getdisc | function |
| builders | table | getfield | function |
| F buildpage_filter | | getfont | function |
| F vpack_filter | | getglue | function |
| check_discretionaries | function | getid | function |
| codes | data table | getleader | function |
| concat | function | getlist | function |
| copy | function | getnext | function |
| copy_list | function | getprev | function |
| copy_node | 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 | |
| effective_glue | function | F cleanuppage | |
| end_of_math | function | F export | |
| fencecodes | data table | F finalize | |
| fields | function | F migrate | |
| fillcodes | data table | F protectglyphs | |
| first_glyph | function | F stripping | |

| | | | |
|--------------------------------------|------------|------------------------------|------------|
| <code>F unprotectglyphs</code> | | <code>leftmarginwidth</code> | function |
| <code>has_attribute</code> | function | <code>ligaturing</code> | function |
| <code>has_field</code> | function | <code>linefillers</code> | table |
| <code>has_glyph</code> | function | <code>D data</code> | |
| <code>hpack</code> | function | <code>F define</code> | |
| <code>idstousing</code> | function | <code>F enable</code> | |
| <code>ignorablefields</code> | data table | <code>F handler</code> | |
| <code>injections</code> | table | <code>lines</code> | table |
| <code>F copy</code> | | <code>T boxed</code> | |
| <code>F getligaindex</code> | | <code>F register</code> | |
| <code>F getthreshold</code> | | <code>F setup</code> | |
| <code>F handler</code> | | <code>F stage_one</code> | |
| <code>F installnewkern</code> | | <code>F stage_two</code> | |
| <code>F isspace</code> | | <code>D data</code> | |
| <code>F keepcounts</code> | | <code>F finalize</code> | |
| <code>F reset</code> | | <code>F number</code> | |
| <code>F resetcounts</code> | | <code>N scratchbox</code> | |
| <code>F setcursive</code> | | <code>link</code> | function |
| <code>F setkern</code> | | <code>linked</code> | function |
| <code>F setligaindex</code> | | <code>list</code> | function |
| <code>F setmark</code> | | <code>listablefields</code> | data table |
| <code>F setpair</code> | | <code>listcodes</code> | data table |
| <code>F setspacekerns</code> | | <code>listtutf</code> | function |
| <code>insert_after</code> | function | <code>load</code> | function |
| <code>insert_before</code> | function | <code>locate</code> | function |
| <code>insert_list_after</code> | function | <code>margincodes</code> | data table |
| <code>installattributehandler</code> | function | <code>marginkerncodes</code> | data table |
| <code>is_char</code> | function | <code>markers</code> | table |
| <code>is_direct</code> | function | <code>F get</code> | |
| <code>is_display_math</code> | function | <code>mathcodes</code> | data table |
| <code>is_glyph</code> | function | <code>maxboxwidth</code> | function |
| <code>is_mirrored</code> | data table | <code>mlist_to_hlist</code> | function |
| <code>is_node</code> | function | <code>new</code> | function |
| <code>is_nut</code> | function | <code>noadcodes</code> | data table |
| <code>is_rotated</code> | data table | <code>noadoptions</code> | table |
| <code>is_zero_glue</code> | function | <code>N axis</code> | |
| <code>ischar</code> | function | <code>N exact</code> | |
| <code>isglyph</code> | function | <code>N left</code> | |
| <code>kerncodes</code> | data table | <code>N middle</code> | |
| <code>kerning</code> | function | <code>N no_axis</code> | |
| <code>keys</code> | table | <code>N right</code> | |
| <code>T whatsit</code> | | <code>N set</code> | |
| <code>last_node</code> | function | <code>N unused_1</code> | |
| <code>leadercodes</code> | data table | <code>N unused_2</code> | |

nodecodes**nopts****nuts**

F append
 F check_discretionaries
 F concat
 F copy
 F copy_list
 F copy_node
 F copy_properties
 F copyvisual
 F count
 F current_attr
 F delete
 F dimensions
 F effective_glue
 F end_of_math
 F first_glyph
 F firstcharacter
 F firstcharinbox
 F firstglyph
 F flush
 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

data table**function****table**

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 italicckern
 F kern
 F latelua
 F lateluafunction
 F leftmarginkern
 F leftskip
 F lineskip
 F negatedglue

| | |
|------------------------|----------------------|
| F noad | F reheapack |
| F pdfannotation | F remove |
| F pdfdestination | F repackhlist |
| F pdfdirect | F replace |
| F pdfdirectliteral | F rightmarginwidth |
| F pdfliteral | F set_attribute |
| F pdfpage | F setattr |
| F pdfpageliteral | F setattribute |
| F pdfrestore | F setattributes |
| F pdfsave | F setboth |
| F pdfsetmatrix | F setbox |
| F penalty | F setchar |
| F register | F setdisc |
| F rightmarginkern | F setfield |
| F rightskip | F setglue |
| F rule | F setleader |
| F shrink | F setlink |
| F special | F setlist |
| F stretch | F setnext |
| F temp | F setprev |
| F textdir | F setprop |
| F usage | F setsubtype |
| F userattributes | F setunsetattributes |
| T userids | F setvisual |
| N margins.inline | F setvisuals |
| N property | F slide |
| N splitters.one | F somepenalty |
| N splitters.two | F somespace |
| F userlist | F splitbox |
| F userlua | F tail |
| F usernumber | F takebox |
| F userrule | F takelist |
| F userstring | F theprop |
| F usertokens | F tonode |
| F vlist | F tonodes |
| F wordboundary | F tonut |
| F zeroglue | F tosequence |
| F prepend | F toString |
| F protect_glyph | F tracedslide |
| F protect_glyphs | F traverse |
| F protrusion_skippable | F traverse_char |
| F rangedimensions | F traverse_id |
| F rawprop | T typesetters |
| F reference | F tohbox |

| | | | |
|----------------------------|------------|-----------------------------|------------|
| F tohpack | | F pdfliteral | |
| F tonodes | | F pdfpageliteral | |
| F toinbox | | F pdfrestore | |
| F tovpack | | F pdfsave | |
| F unprotect_glyphs | | F pdfsetmatrix | |
| F unset_attribute | | F register | |
| F unsetattribute | | F rule | |
| F unsetattributes | | F special | |
| F untracedslide | | F usage | |
| F usedlist | | F usernumber | |
| F vianodes | | F vlist | |
| F vianuts | | prepend | function |
| F vpack | | print | function |
| F write | | processors | table |
| packlist | function | B enabled | |
| pardir_is_equal | data table | F hpack_filter | |
| pardir_is_opposite | data table | F post_linebreak_filter | |
| pardir_is_parallel | data table | F pre_linebreak_filter | |
| partextdir_is_equal | data table | F tracer | |
| penaltycodes | data table | processwords | function |
| plugindata | table | properties | table |
| F finalizer | | T actions | |
| F initializer | | F delayed | |
| S name | | F fdelayed | |
| T namespace | | F immediate | |
| N attribute | | F attach | |
| D data | | T data | |
| F enable | | F delayed | |
| F handler | | protect_glyph | function |
| F register | | protect_glyphs | function |
| D registered | | protrusion_skippable | function |
| D values | | pts | function |
| F processor | | radicalcodes | data table |
| points | function | rangedimensions | function |
| pool | table | reference | function |
| F baselineskip | | references | table |
| F cleanup | | N attribute | |
| F glyph | | T done | |
| F hlist | | F handler | |
| F kern | | T stack | |
| F latelua | | reheapack | function |
| F lateluafunction | | remove | function |
| F lineskip | | repackhlist | function |
| F pdfdirect | | replace | function |

| | | | |
|---------------------------|------------|-----------------------------|------------|
| report | function | stripdiscretionaries | function |
| rightmarginwidth | function | stripping | table |
| rulecodes | data table | T glyphs | |
| rules | table | F set | |
| D data | | striprange | function |
| F define | | tail | function |
| F enable | | takebox | function |
| F handler | | tasks | table |
| T ruleactions | | F actions | |
| F draw | | F appendaction | |
| F fill | | F disableaction | |
| F mp | | F disablegroup | |
| F stroke | | F enableaction | |
| F userrule | | F enablegroup | |
| save | function | F freeze | |
| serialize | function | F freezegroup | |
| serializebox | function | F new | |
| set_attribute | function | F prependaction | |
| setattributes | function | F removeaction | |
| setbox | function | F replaceaction | |
| setboxtonaturalwd | function | F restart | |
| setfield | function | F setaction | |
| setglue | function | F showactions | |
| 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 |

| | | | |
|-------------------|----------|-------------------------|------------|
| tostring | function | F reset | |
| totable | function | F set | |
| totree | function | F setlist | |
| toutf | function | traverse | function |
| tracers | table | traverse_char | function |
| T characters | | traverse_id | function |
| F collect | | typesetters | table |
| F equal | | F hbox | |
| F start | | F hpack | |
| F string | | F tohbox | |
| F unicodes | | F tohpack | |
| T colors | | F tonodes | |
| F reset | | F tovbox | |
| F set | | F tovpack | |
| F setlist | | F vpack | |
| F fontchar | | unprotect_glyphs | function |
| T frequencies | | unset_attribute | function |
| F register | | unsetattribute | function |
| T pool | | unsetattributes | function |
| T nodes | | usedlist | function |
| F rule | | usercodes | data table |
| T nuts | | vianodes | function |
| F rule | | vianuts | function |
| F resetproperties | | visualizebox | function |
| F rule | | visualizers | table |
| F setlist | | F box | |
| F setproperties | | F handler | |
| F start | | F markfonts | |
| T steppers | | F setfont | |
| F check | | F setlayer | |
| F codes | | F setvisual | |
| F features | | vpack | function |
| F font | | whatcodes | data table |
| F glyphs | | whatsitcodes | data table |
| F message | | whatsitters | table |
| F messages | | T getters | |
| F nofsteps | | T dimensions | |
| F register | | T width | |
| F reset | | T setters | |
| F start | | T dimensions | |
| F stop | | T width | |
| F stop | | write | function |
| T transparencies | | | |

number (context)

| | | | |
|-----------------------|------------|-----------------------|----------|
| | function | tocentimeters | function |
| basepoints | function | tociceros | function |
| bit | function | tocontext | 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 | topicsas | function |
| setbit | function | topoints | function |
| signed | function | toscaled | function |
| sparseexponent | function | toscaledpoints | function |
| splitdimen | function | toset | function |
| tobasepoints | function | valid | function |
| tobitstring | 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 | validdatetime | function |
| nofdays | function | weekday | function |
| now | function | where | function |
| platform | string | which | function |

package (basic lua)

| | | | |
|----------------------|----------|-------------------|----------|
| config | string | loaders | table |
| cpath | string | loadlib | function |
| extralibpath | function | luapaths | function |
| extralibpaths | function | path | string |
| extralupath | function | preload | table |
| extralupaths | function | searchers | table |
| helpers | table | searchpath | function |
| libpaths | function | seeall | function |
| loaded | table | | |

pagebuilders (context)

columnsets table

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

- F sethsize
- F sethspace
- F setlines
- F setproperties
- F setstart
- F setvsize

injections table

- F flushafter
- F flushbefore
- F save

mixedcolumns table

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

pdf (basic tex)

| | | | |
|--------------------------------|----------|--------------------------------|---------------------|
| fontname | function | immediateobj | function |
| fontobjnum | function | mapfile | function |
| fontsize | function | mapline | function |
| getcatalog | function | maxobjnum | function |
| getcompresslevel | function | newcolorstack | function |
| getcreationdate | function | obj | function |
| getdecimaldigits | function | objtype | function |
| getdestmargin | function | pageref | function |
| gethpos | function | print | function |
| getignoreunknownimages | function | refobj | function |
| getimageresolution | function | registerannot | overloaded function |
| getinclusionerrorlevel | function | reserveobj | function |
| getinfo | function | setcatalog | overloaded function |
| getlastannot | function | setcompresslevel | function |
| getlastlink | function | setdecimaldigits | function |
| getlastobj | function | setdestmargin | function |
| getlinkmargin | function | setfontattributes | 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

F registerunit

D tables

profiler (extra lua)

pause function
resume function

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

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

regimes (context)

| | |
|-------------------|----------|
| cleanup | function |
| disable | function |
| enable | function |
| fromregime | function |
| pop | function |

| | |
|------------------|----------|
| process | function |
| push | function |
| toregime | function |
| translate | 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 |
| disablerunners | function |
| enable | function |
| filehandlerone | function |
| filehandlertwo | function |
| finalizer | function |
| initializer | function |
| iohandler | function |
| logcalls | function |
| logfiles | function |
| original | function |
| overload | function |
| possiblepath | function |

| | |
|--------------------------|----------|
| redefine | function |
| register | function |
| registerbinary | function |
| registerroot | function |
| registerrunner | function |
| report | function |
| run | function |
| runhandler | function |
| setfilenamelogger | function |
| setlogger | function |
| setreporter | function |
| settrace | function |
| validfilename | function |

scripts (context)

autofontfeature table

 F disable

 F enable

 F handler

categorytonumber data table

colors data table

decomposehangul function

defaults table

 N inter_char_half_shrink_factor

 N inter_char_half_stretch_factor

 N inter_char_hangul_penalty

 N inter_char_quarter_shrink_factor

 N inter_char_quarter_stretch_factor

 N inter_char_shrink_factor

 N inter_char_stretch_factor

 N inter_word_stretch_factor

handlers data table

hash table

injectors data table

installdataset function

installmethod function

numbertocategory data table

numbertodataset data table

numbertohandler data table

reset function

set function

splitters data table

set (context)

contains function
create function
tolist function

tonumber function
totable function

socket (extra lua)

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

F getaddrinfo
F gethostname
F getnameinfo
F tohostname
F toip

ftp table

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

gettime function

headers table

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

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

S received
 S received-from-mta
 S references
 S referer
 S remote-mta
 S reply-to
 S reporting-mta
 S resent-bcc
 S resent-cc
 S resent-date
 S resent-from
 S resent-message-id
 S resent-reply-to
 S resent-sender
 S resent-to
 S retry-after
 S return-path
 S sender
 S server
 S smtp-remote-recipient
 S status
 S subject
 S te
 S to
 S trailer
 S transfer-encoding
 S upgrade
 S user-agent
 S vary
 S via
 S warning
 S will-retry-until
 S www-authenticate
 S x-mailer

http **table**

N PORT
 N TIMEOUT
 S USERAGENT
 F open
 F request

newtry **function**

protect **function**
select **function**
sink **function**
sinkt **table**

F close-when-done
 F default
 F http-chunked
 F keep-open

skip **function**
sleep **function**
smtp **table**

S DOMAIN
 N PORT
 S SERVER
 N TIMEOUT
 S ZONE
 F message
 F open
 F send

source **function**
sourcet **table**

F by-length
 F default
 F http-chunked
 F until-closed

tcp **function**
tcp6 **function**
tp **table**

N TIMEOUT
 F connect

try **function**
udp **function**
udp6 **function**
url **table**

F absolute
 F build
 F build_path
 F escape
 F parse
 F parse_path
 F unescape

sorters (context)

basicsorter function

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitoffset

 N ignoredoffset

 N replacementoffset

 T validmethods

 B ch

 B mc

 B mm

 B pc

 B pm

 B uc

 B zc

 B zm

definitions data table

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 |
| disable | function |
| enable | function |
| flush | function |
| initialize | function |

| | |
|--------------------|----------|
| push | function |
| start | function |
| stop | function |
| synchronize | function |

string (basic lua)

| | | | |
|-----------------------|----------|------------------------|----------|
| autodouble | function | optionalquoted | function |
| autosingle | function | 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 | toboollean | 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 |
| nspace | 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 tobесaved | |
| D stored | | F userdata | |
| | | F uservalue | |
| itemgroups | table | marks | table |
| lists | 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 formulainumber | | 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 resetpostponed | | D flaginternals |
| F restore | | F from |
| F save | | D functions |
| F setstate | | F get |
| D states | | F getcurrentmetadata |
| F store | | F getcurrentprefixspec |
| pages | table | F getinnermethod |
| F analyze | | F getinternalcachedlistreference |
| D collected | | F getinternallistreference |
| F in_body | | F getinternalreference |
| F is_odd | | D handlers |
| N nopages | | F identify |
| F number | | F import |
| F on_right | | F inject |
| F save | | F injectcurrentset |
| D tobesaved | | S innermethod |
| references | table | D internals |
| F analyze | | F load |
| F checkedfile | | F loadpresets |
| F checkedfileorurl | | F mark |
| F checkedprogram | | D pages |
| F checkedrealpage | | U prefixsplitter |
| F checkedurl | | D productdata |
| D collected | | T programs |
| U componentsplitter | | T data |
| F currentmetadata | | F define |
| F currentorder | | F get |
| D currentset | | F realpageofpage |
| F define | | U referencesplitter |
| D defined | | D referred |
| D derived | | F referredpage |
| F enableinteraction | | F registerfinalizer |
| F enhance | | F registerinitializer |
| D executers | | F registerpage |
| F expandcurrent | | F reportproblems |
| F export | | F reset |
| T files | | D runners |
| T data | | F set |
| F define | | F setandgetattribute |
| F found | | F setcomponent |
| F get | | F setinnermethod |
| F filter | | F setinternalreference |
| F filterdefault | | F setnextinternal |
| D filters | | F setnextorder |

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

F untex

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 setlevel | |
| F setnumber | |
| F structuredata | |
| F title | |
| D tobesaved | |
| F typesetnumber | |
| F userdata | |
| B verbose | |
| sets | table |
| F define | |
| F get | |
| F getall | |
| D setlist | |
| specials | table |
| D collected | |
| F retrieve | |
| F store | |
| D tobesaved | |
| 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 | |

| | |
|----------------------------|--------------|
| tags | table |
| F elementtag | |
| F finishexport | |
| F getid | |
| F handler | |
| D labels | |
| F last | |
| F lastinchain | |
| F locatedtag | |
| T patterns | |
| U splitter | |
| D properties | |
| F registermetadata | |
| F restart | |
| F setaspect | |
| F setattributefield | |
| F setcombination | |
| F setfigure | |
| F sethighlight | |
| F setitem | |
| F setitemgroup | |
| F setlist | |
| F setnotation | |
| F setnotationsymbol | |
| F setproperty | |
| F setregister | |
| F setsorting | |
| F setsynonym | |
| F settablecell | |
| F settabulatecell | |
| F settagdelimitedsymbol | |
| F settagssubsentencesymbol | |
| F setupexport | |
| F setuserproperties | |
| D specifications | |
| F start | |
| F stop | |
| F strip | |
| D taglist | |
| T usewithcare | |
| T images | |

table (basic lua)

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

write_nl function

tokens (context)

astable function
bgroup userdata
bits table

N active
N alignment
N begingroup
N character
N close
N comment
N endgroup
N endoffline
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 scanscname | 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 scansname | |
| 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 replacensp
F replacenspaces

checkers table

F handler
F reset
F set

cleaners table

F handler
F set

digits table

T actions
F handler
F set

directions table

F getfences
F getglobal
F getmethod
F handler

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 keptogether
- D mapping
- F set
- manipulators** table
 - F apply
 - F applyspecification
 - T methods
 - F Word
 - F Words
 - F abbreviatedjournal
 - F expandedjournal
 - F lowercase
 - F stripperperiod
 - 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 chrln
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 substituter
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 |
| barepath | function |
| construct | function |
| escape | function |
| filename | function |
| hashed | function |

| | |
|--------------------|----------|
| hascheme | function |
| query | function |
| split | function |
| toquery | function |
| unescapeget | function |

utilities (context)

debugger table

F disable
F enable
F savestats
F showstats
F showtraceback

files table

F close
F getposition
F getsize
F look
F open
F read2dot14
F readbyte
F readbytes
F 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
F writebyte
F writecardinal2
F writecardinal4
F writestring

formatters table

F formatcolumns
F list

F stripzeros

garbagecollector table

F check
N criterium
B enabled

lua table

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

packers table

F hashed
F new
F pack
F simplehashed
F 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 | B modernvariable |
| T hashes | T modernvariablelight,modern-variable-light |
| T settings_to_set | B modern-variable-light |
| T max,fit,broad,auto | B modernvariablelight |
| B auto | T serif,sans,mono |
| B broad | B mono |
| B fit | B sans |
| B max | B serif |
| T modern,latin-modern | T text,hidden,paper,page,leftpage,rightpage |
| B latin-modern | B hidden |
| B modern | B leftpage |
| T modern,latin-modern,modern-variable,latin-modern-variable,modern-condensed,latin-modern-condensed | B paper |
| B latin-modern | B rightpage |
| B latin-modern-condensed | B text |
| B latin-modern-variable | F iterator |
| B modern | F keq_to_hash |
| B modern-condensed | F listitem |
| B modern-variable | F make_settings_to_hash_pattern |
| T modern,latin-modern-designsize,latin-modern | F mergehashes |
| B latin-modern | F options_to_array |
| B latin-modern-designsize | F options_to_hash |
| B modern | T patterns |
| T modern,modern-base | U settings_to_array |
| B modern | U settings_to_hash_a |
| B modern-base | U settings_to_hash_b |
| T modern-condensed,latin-modern-condensed-designsize,latin-modern-light-condensed,latin-modern-light | U settings_to_hash_c |
| B latin-modern-condensed | U unittotex |
| B latin-modern-condensed-designsize | F process_stripped_settings |
| B latin-modern-light-condensed | F rfc4180splitter |
| B modern-condensed | F runtime |
| B modern-light-condensed | F settings_to_array |
| T modern-light,latin-modern-light-designsize,latin-modern-light | F settings_to_array_obey_fences |
| B latin-modern-light | F settings_to_array_with_repeat |
| B latin-modern-light-designsize | F settings_to_hash |
| B modern-light | F settings_to_hash_strict |
| T modern-mono,modern-base-mono | F settings_to_hash_tolerant |
| B modern-base-mono | F settings_to_numbers |
| B modern-mono | F settings_to_table |
| T modern-variable,latin-modern-variable-designsize,latin-modern-variable | F simple_hash_to_string |
| B latin-modern-variable | F splitmethod |
| B latin-modern-variable-designsize | F splitthousands |
| B modern-variable | F stepper |
| T modernvariable,modern-variable | F stripped_settings_to_array |
| B modern-variable | |

| | | | |
|-------------------|-----------------|-----------------------|--------------|
| F unittotex | | F open | |
| F unittotxml | | F read2dot14 | |
| report | function | F readbyte | |
| sequencers | table | F readbytes | |
| F appendaction | | F readcardinal | |
| F appendgroup | | F readcardinal1 | |
| F compile | | F readcardinal2 | |
| F disableaction | | F readcardinal3 | |
| F disablegroup | | F readcardinal4 | |
| F enableaction | | F readchar | |
| F enablegroup | | F readfixed4 | |
| D functions | | F readinteger | |
| F localize | | F readinteger1 | |
| F new | | F readinteger2 | |
| F nodeprocessor | | F readinteger4 | |
| F prependaction | | F readstring | |
| F prependgroup | | F setposition | |
| F removeaction | | F size | |
| F replaceaction | | F skip | |
| F setkind | | F skipbytes | |
| F toString | | F skiplong | |
| setters | table | F skipshort | |
| F disable | | strings | table |
| F enable | | F collapseCrLf | |
| F initialize | | T formatters | |
| F list | | F add | |
| F new | | F new | |
| F register | | F newrepeater | |
| F report | | F nice | |
| F reset | | T striplinepatterns | |
| F show | | U collapse | |
| stacker | table | U prune | |
| F new | | U prune and collapse | |
| storage | table | U prune and no empty | |
| F allocate | | U retain | |
| F checked | | U retain and collapse | |
| F mark | | U retain and no empty | |
| F marked | | F striplines | |
| F setinitializer | | F striplong | |
| F sparse | | F tabtospace | |
| streams | table | T tracers | |
| F close | | tables | table |
| F getposition | | F accesstable | |
| F look | | F definedtable | |

F definetable

F replacevalue

F encapsulate

templates

table

F insertaftervalue

F load

F insertbeforevalue

F replace

F migratetable

F replacer

F removevalue

F resolve

vf (context)

| | |
|---------------|----------|
| char | function |
| down | function |
| fontid | function |
| image | function |
| node | function |
| nop | function |

| | |
|----------------|----------|
| pop | function |
| push | function |
| right | function |
| rule | function |
| special | function |

visualizers (context)

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

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 |
| registers | 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
unspecialized
withelement

function
function
function

withelements
wrap
xmlns

function
function
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 |
| compress | function |
| compressobj | function |
| crc32 | function |

| | |
|----------------------|----------|
| decompress | function |
| decompressobj | function |
| version | function |