

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

ConT_EXt MkIV

global (alias: _G)

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

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|-----------------|----------|-----------------|------------|
| ltn12 | table | resolvers | table |
| lua | table | sandbox | table |
| luatex | table | scripts | table |
| lxml | table | select | function |
| math | table | set | table |
| mathematics | table | setinspector | function |
| mbox | table | setmetatable | function |
| md5 | table | socket | table |
| metapost | table | sorters | table |
| mime | table | statistics | table |
| module | function | status | table |
| moduledata | table | storage | table |
| modules | table | streams | table |
| mp | function | string | table |
| mplib | table | structures | table |
| next | function | swiglib | function |
| noads | table | table | table |
| node | table | tex | table |
| nodes | table | texconditionals | data table |
| number | table | texconfig | table |
| objects | table | texconstants | data table |
| optionalrequire | function | texifs | data table |
| os | table | texio | table |
| package | table | texisdefined | function |
| pagebuilders | table | texmodes | data table |
| pairs | function | texsystemmodes | data table |
| parametersets | table | thirddata | table |
| pcall | function | toboollean | function |
| pdf | table | token | table |
| 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 |
| publications | table | unicode | table |
| rawequal | function | unpack | function |
| rawget | function | url | table |
| rawlen | function | userdata | table |
| rawset | function | utf | table |
| regimes | table | utilities | table |
| require | function | v | number |
| requireswiglib | function | vf | table |

visualizers

table

zip

table

xml

table

zlib

table

xpcall

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 startunicodetoactualtextdirect
F stoplayer
F stopunicodetoactualtext
F stopunicodetoactualtextdirect
F supportedformats
F unicodetoactualtext

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|----------------------|----------------------------|
| F useviewerlayer | F reference |
| F validfield | F rgbcolor |
| F validfieldcategory | F spotcolor |
| F validfieldset | F startlayer |
| S comment | F startstackedlayer |
| T nodeinjections | F stoplayer |
| F addtags | F stopstackedlayer |
| F annotation | F transparency |
| F attachfile | F typesetfield |
| F changestackedlayer | T registrations |
| F cmykcolor | F cmykindexcolor |
| F comment | F cmykspotcolor |
| F destination | F getspotcolorreference |
| F effect | F grayindexcolor |
| F graycolor | F grayspotcolor |
| F injectbitmap | F rgbindexcolor |
| F insertmovie | F rgbspotcolor |
| F insertsound | F spotcolorname |
| F insertswf | F transparency |
| F insertu3d | T tables |
| F knockout | D vfspecials |
| F negative | registrations table |
| F overprint | tables table |
| F positive | 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 hassomecontent | |
| assign | function | F next | |
| collectcontent | function | F place | |
| erase | function | F reset | |
| exists | function | F save | |
| getcontent | function | prepend | function |
| getlines | function | raw | function |
| loadcontent | function | run | function |
| parallel | table | undent | function |
| F define | | | |

builders (context)

kernel table

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

paragraphs table

- T constructors
 - N attribute
 - F define
 - F disable
 - F enable
 - F handler
- T methods
 - F basic
 - F default
 - F hpack
 - F oneline
- D names
- D numbers
- F set
- F start
- F stop
- T expansion
 - F trace
- F 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

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

catcodes (context)

names data table

numbers data table

register function

characters (context)

[illegible]

previous 20 next

| | |
|--------|---------|
| S i` | S o`´ |
| S i` | S o`^- |
| S i`´ | S o`^^ |
| S i` | S o`- |
| S i` | S o`^^ |
| S i` | S o`^-´ |
| S i` | S o`^ |
| S i. | S o`. |
| S i. | S o`.- |
| S i_ | S o`" |
| S j^ | S o`^- |
| S j` | S o`³ |
| S k´ | S o`" |
| S k` | S o`^ |
| S k. | S o`" |
| S k. | S o`^ |
| S k_ | S o`^ |
| S l´ | S o`^^ |
| S l` | S o`^-´ |
| S l. | S o`^^ |
| S l.- | S o`³ |
| S l. | S o`. |
| S l. | S o`. |
| S l_ | S o`. |
| S l_ | S o`.^ |
| S m´ | S o`. |
| S m` | S o`.- |
| S m. | S p´ |
| S n` | S p`. |
| S n´ | S r´ |
| S n` | S r`. |
| S n` | S r`^ |
| S n. | S r`" |
| S n. | S r`^ |
| S n. | S r`. |
| S n. | S r`.- |
| S n_ | S r`. |
| S o` | S r_ |
| S o´ | S s´ |
| S o^ | S s`´ |
| S o`^^ | S s`^ |
| S o`^´ | S s`. |
| S o`^^ | S s`^ |
| S o`³ | S s`^ |
| S o` | S s`. |

| | |
|--------------------|------------------|
| S s ₁ ´ | S w´ |
| S s ₁ | S w^ |
| S s ₁ | S w´ |
| S t´ | S w¨ |
| S t¨ | S w° |
| S t˘ | S w ₁ |
| S t ₁ | S x´ |
| S t ₁ | S x¨ |
| S t ₁ | S y` |
| S t ₁ | S y´ |
| S t ₁ | S y^ |
| S u` | S y¨ |
| S u´ | S y¯ |
| S u^ | S y´ |
| S u¨ | S y¨ |
| S u¨´ | S y³ |
| S u¯ | S y° |
| S u¨¨ | S y ₁ |
| S u˘ | S z´ |
| S u¨ | S z^ |
| S u¨` | S z´ |
| S u¨´ | S z˘ |
| S u¨¨ | S z ₁ |
| S u¨˘ | S z ₁ |
| S u³ | S ¨` |
| S u° | S ¨´ |
| S u¨ | S ¨ |
| S u˘ | S Å` |
| S u¨ | S Å´ |
| S u¨ | S Å¨ |
| S u´ | S Å´ |
| S u˘` | S Å¯ |
| S u˘´ | S Å´ |
| S u˘¨ | S Æ´ |
| S u˘³ | S Æ¯ |
| S u˘ ₁ | S Ç´ |
| S u ₁ | S Ê` |
| S u ₁ | S Ê´ |
| S u ₁ | S Ê¨ |
| S u ₁ | S Ê³ |
| S u ₁ | S Ĩ´ |
| S v¨ | S Ò` |
| S v ₁ | S Ò´ |
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| S ϱ^{\sim} | S H' |
| S $\dot{0}^{\sim}$ | S H''\` |
| S $\dot{0}^{\sim}$ | S H''\` |
| S $\dot{3}^{\sim}$ | S H'\' |
| S $\sim\prime$ | S H'\' |
| S A\` | S H' |
| S A' | S H' |
| S A\` | S H' |
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| S A'\` | S I\` |
| S A'\' | S I\` |
| S A'\' | S I'' |
| S A' | S I' |
| S A' | S I'\` |
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| S A' | S I' |
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| S A' | S $\dot{0}$ \` |
| S A' | S $\dot{0}$ ' |
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| S A | S $\dot{0}$ '\` |
| S E\` | S $\dot{0}$ '\' |
| S E' | S $\dot{0}$ ' |
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| S E'\` | S $\dot{0}$ '\' |
| S E'\' | S P' |
| S E' | S Y\` |
| S E'\` | S Y' |
| S E'\' | S Y\` |
| S H\` | S Y\` |
| S H' | S Y'' |
| S H' | S Y' |
| S H'\` | S Y'\` |
| S H'\` | S Y'\' |
| S H'\' | S Y' |
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[illegible]

[illegible]

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| S | | S ^ |
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| contextname | function | S _ |
| csletters | data table | T C |
| data | data table | S ´ |
| decomposed | data table | S ^ |
| description | function | S ´ |
| descriptions | data table | S ˇ |
| detailltags | data table | S , |
| directions | table | T D |
| encodes | data table | S ´ |
| entities | data table | S ˇ |
| fallbacks | data table | S , |
| filters | data table | S , |
| fractions | table | S ^ |
| fromnumber | function | S _ |
| fschars | data table | T E |
| fscodes | data table | S ` |
| getrange | function | S ´ |
| graphemes | table | S ^ |
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| T b | S , |
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| S - | S ^ |
| S ~ | S ~ |
| S ` | S - |
| S ~ | S ^ |
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| S ^ | S ` |
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| S ´ | S ´ |
| S ~ | T Š |
| S ˘ | S ˘ |
| T ĭ | T š |
| S ´ | S ˘ |
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| S ~ | S ˘ |
| S ˘ | T Ů |
| T õ | S ´ |
| S ´ | T ů |
| S - | S ´ |
| S " | T Ů |
| T ö | S " |
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| T ø | S " |
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| S ` | T Œ |
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| T Ä | S ˘ |
| S ` | S , |
| S ´ | T σ |
| S ~ | S ` |
| S ˘ | S ´ |
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| S ~ | T Ů |
| S ˘ | S ` |
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| T ě | S , |
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| S ` | T 3 |

S^{\vee}
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 $T \hat{A}$
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| T ı | S ´ |
| S ` | S ´ |
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| S " | S " |
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| S ´ | T ı |
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| T o | T E |
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| S ^ | S |
| T 0 | T 'Ä |
| S ^ | S |
| T 0 | T 'Ä |
| S ^ | S |
| T á | T é |
| S ` | S ` |
| S ´ | S ´ |
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| $S \setminus$ | $S /$ |
| $S \prime$ | $T \leftrightarrow$ |
| S | $S /$ |
| S | $T \Leftarrow$ |
| $T \cap$ | $S /$ |
| $S \setminus$ | $T \Rightarrow$ |
| $S \prime$ | $S /$ |
| S | $T \Leftarrow$ |
| S | $S /$ |
| $T \cap$ | $T \exists$ |
| S | $S /$ |
| $T \cap$ | $T \in$ |
| S | $S /$ |
| $T \cap$ | $T \exists$ |
| S | $S /$ |
| $T \cap$ | T |
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| $T \hat{=}$ | $T \approx$ |
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| $T \hat{=}$ | $T \equiv$ |
| S | $S /$ |
| $T \hat{=}$ | $T \approx$ |
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| $T \hat{=}$ | $T \equiv$ |
| $S \setminus$ | $S /$ |
| $S \prime$ | $T \leq$ |
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| $T \hat{=}$ | $T \geq$ |
| $S \setminus$ | $S /$ |
| $S \prime$ | $T \leq$ |
| S | $S /$ |
| $T \Leftarrow$ | $T \geq$ |
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| $T \supset$ | T |
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| $T \subseteq$ | T |
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| $T \supseteq$ | T |
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| $T \sqsubset$ | T |
| $S /$ | S |
| $T \sqsupset$ | T |
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| $T \sqsupseteq$ | T |
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| S | | S lf | |
| T | | S nl | |
| S | | S ns | |
| S | | S nu | |
| hangul | data table | S op | |
| initialize | function | S po | |
| is_character | data table | S pr | |
| is_command | data table | S qu | |
| is_letter | data table | S ri | |
| is_mark | data table | S sa | |
| is_punctuation | data table | S sg | |
| is_spacing | data table | S sp | |
| lcchars | data table | S sy | |
| lccode | function | S wj | |
| lccodes | data table | S xx | |
| lettered | function | S zw | |
| lhash | data table | S zwj | |
| linebreaks | table | lower | function |
| S ai | | math | table |
| S al | | mathpairs | table |
| S b2 | | T : | |
| S ba | | S = | |
| S bb | | T < | |
| S bk | | S = | |
| S cb | | T = | |
| S cj | | S : | |
| S cl | | T > | |
| S cm | | S = | |
| S cp | | T / | |
| S cr | | S < | |
| S eb | | S = | |
| S em | | S > | |
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| S gl | | S → | |
| S h2 | | S ↔ | |
| S h3 | | S ⇐ | |
| S hl | | S ⇒ | |

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|-----|-----------------------------|------------|
| S 𐍚 | mirrors | table |
| S 𐍛 | otfscripts | data table |
| S 𐍜 | ranges | data table |
| S 𐍝 | registerentities | function |
| S 𐍞 | remap_hangul_syllabe | function |
| S 𐍟 | setactivecatcodes | function |
| S 𐍠 | setlettercatcodes | function |
| S 𐍡 | shape | function |
| S 𐍢 | shaped | function |
| S 𐍣 | shash | data table |
| S 𐍤 | shchars | data table |
| S 𐍥 | shcodes | data table |
| S 𐍦 | showstring | function |
| S 𐍧 | specialchars | data table |
| S 𐍨 | specials | data table |
| S 𐍩 | splits | table |
| S 𐍪 | T char | |
| S 𐍫 | T compat | |
| S 𐍬 | subscripts | table |
| S 𐍭 | superscripts | table |
| S 𐍮 | synonyms | data table |
| S 𐍯 | tex | table |
| S 𐍰 | D accentmapping | |
| S 𐐀 | D commandmapping | |
| S 𐐁 | F defineaccents | |
| S 𐐂 | F safechar | |
| S 𐐃 | F toutf | |
| S 𐐄 | F toutfpattern | |
| S 𐐅 | textclasses | table |
| S 𐐆 | tonumber | function |
| S 𐐇 | ucchars | data table |
| S 𐐈 | uccode | function |
| S 𐐉 | uccodes | data table |
| S 𐐊 | uhash | data table |
| S 𐐋 | unicodechar | function |
| S 𐐌 | 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)

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

| | | | |
|----------------|----------|--------------|----------|
| D data | | word | function |
| F translate | | words | function |
| weekday | function | year | function |

coroutine (basic lua)

create function
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 |
| default | function |
| disable | function |
| done | table |
| enable | function |
| list | function |

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

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 | register | function |
| default | function | report | function |
| disable | function | reset | function |
| enable | function | show | function |
| list | function | value | function |
| name | string | | |

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 |

fio (extra lua)

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

floats (context)

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

font (basic tex)

current function
define function
each function
fonts table
frozen function
getfont overloaded function

id function
max function
nextid function
read_tfm function
read_vf function
setfont overloaded function

fonts (context)

analyzers

table

T features

N blwf

N fin2

N fin3

N fina

N half

N init

N isol

N med2

N medi

N pref

N pstf

N rphf

D initializers

D methods

F setstate

T states

N blwf

N fin2

N fin3

N fina

N half

N init

N isol

N mark

N med2

N medi

N pref

N pstf

N rest

N rphf

B useunicodemarks

checkers

table

F getmissing

F missing

F placeholder

cid

table

F getmap

F loadfile

collections

table

F checkenabled

F clonevector

F define

T definitions

F found

F prepare

F process

F registermain

F report

F reset

T vectors

constructors

table

F addcoreunicodes

F aftercopyingcharacters

F applymanipulators

F assignmathparameters

B autocleanup

F beforecopyingcharacters

D cache

B cacheintex

F calculatescale

F checkedfeatures

F checkedfilename

F checkvirtualids

F 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 | T helpers |
| T actions | F blockligatures |

| | |
|-----------------------|-------------------------------|
| F pardirstate | F ligature |
| F txtldirstate | F multiple |
| F load | F reversechainedcontextsingle |
| F loadoutlinedata | F single |
| F loadstreamdata | F gvar |
| F modeinitializer | F head |
| F nodemodeinitializer | T helpers |
| D pdfcache | F axistofactors |
| T plugins | F cleanname |
| T readers | F getaxisscale |
| F addunicodetable | F getfactors |
| F avar | F getscales |
| F cff | F gotodatatable |
| F cff2 | F normalizedaxis |
| F cffcheck | T normalizedaxisishash |
| F checkhash | F readvariationdata |
| F cmap | F setvariabledata |
| F colr | F hhea |
| F compact | F hmtx |
| F cpal | F hvar |
| F expand | F kern |
| F extend | F loadfont |
| F fvar | F loadshapes |
| F gdef | F loca |
| F getcomponents | F math |
| F getinfo | F maxp |
| F glyf | F mvar |
| F gpos | F name |
| T gposhandlers | F os/2 |
| F chainedcontext | F pack |
| F context | F parsecharstrings |
| F cursive | F post |
| F extension | F registerextender |
| F marktobase | F rehash |
| F marktoligature | F stat |
| F marktomark | T streamreader |
| F pair | F close |
| F single | F getposition |
| F gsub | F getsizes |
| T gsubhandlers | F look |
| F alternate | F open |
| F chainedcontext | F read2dot14 |
| F context | F readbyte |
| F extension | F readbytes |

| | |
|-------------------|----------------------|
| F readbytetable | F scriptandlanguage |
| F readcardinal | F setdynamics |
| F readcardinal1 | F setfeatures |
| F readcardinal2 | T statistics |
| F readcardinal2le | D usedfeatures |
| F readcardinal3 | T svg |
| F readcardinal3le | F filterglyph |
| F readcardinal4 | F storepdfdata |
| F readcardinal4le | F topdf |
| F readchar | D svgcache |
| F readfixed2 | B svgenabled |
| F readfixed4 | T tables |
| F readinteger | D baselines |
| F readinteger1 | D features |
| F readinteger2 | D featuretypes |
| F readinteger2le | D languages |
| F readinteger3 | D scripts |
| F readinteger3le | N version |
| F readinteger4 | T pfb |
| F readinteger4le | F loadvector |
| F readsignedbyte | T tfm |
| F readstring | F addtounicode |
| F readtag | D features |
| F setposition | N maxnestingdepth |
| F size | N maxnestingsize |
| F skip | F reencode |
| F skiplong | F setfeatures |
| F skipposition | N version |
| F skipshort | T vf |
| F writebyte | T combinations |
| F writecardinal2 | F combine |
| F writecardinal4 | T combiner |
| F writestring | D commands |
| F svg | D helpers |
| N tableversion | D math |
| F unifymissing | D predefined |
| F unpack | N version |
| F vhea | D whatever |
| F vmtx | F hashfeatures |
| F vorg | F hashinstance |
| F vvar | T hashmethods |
| F woff2otf | F normal |
| F registerpalette | F virtual |
| F registerplugin | F initializefeatures |

| | | |
|--------------------------|-----------------------|----------|
| 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 designsizes | 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 | |
| S auto | F readanddefine | |
| S quad | F registerfeature | |
| S scaledpoints | F resetfeature | |
| S scriptpercentage | B resolvevirtualtoo | |
| S scriptscriptpercentage | F scale | |
| S size | F scaled | |
| S slantfactor | F setfactor | |
| S slantperpoint | F setfeature | |
| T spacing | F setname | |
| S extra | B sharefonts | |
| S shrink | F trytosharefont | |
| S stretch | N version | |
| S width | current | function |
| S units | currentid | function |
| S vfactor | definers | table |
| S xheight | F addlookup | |
| T properties | F analyze | |
| S autoitalicamount | F applypostprocessors | |
| S cidinfo | F checkedmode | |
| S embedding | F checkedscript | |
| S encodingbytes | F current | |
| S filename | S defaultlookup | |
| S finalized | F define | |
| S fontname | F getspecification | |
| S format | F internal | |
| S fullname | F loadfont | |
| S hasitalics | F makespecification | |

| | | |
|-----------------------|-----------------|--------------------|
| T methods | | N IAcyrillic |
| F install | | N IUcyrillic |
| D variants | | N Icyrillic |
| F read | | N Idot |
| F register | | N Iecyrillic |
| F registered | | N Iicyrillic |
| F registersplit | | N Iishortcyrillic |
| F resetnullfont | | N Iocyrillic |
| F resolve | | N Izhitsacyrillic |
| T resolvers | | N Jecyrillic |
| F file | | N Kacyrillic |
| F name | | N Kcedilla |
| F spec | | N Khacyrillic |
| definetypeface | function | N Kjecyrillic |
| encodings | table | N Lcedilla |
| T agl | | N Ljecyrillic |
| D ctxcodes | | N Ncedilla |
| D extras | | N Njecyrillic |
| D names | | N Ocyrillic |
| T synonyms | | N Odblacute |
| N Acyrillic | | N Ohm |
| N Becyrillic | | N Pecyrillic |
| N Cdot | | N Rcedilla |
| N Checyrillic | | N Shacyrillic |
| N Decyrillic | | N Shchacyrillic |
| N Djecyrillic | | N Softsigncyrillic |
| N Dzecyrillic | | N Tcedilla |
| N Dzhecyrillic | | N Tecyrillic |
| N Ecyrillic | | N Tsecyrillic |
| N Edot | | N Tshacyrillic |
| N Efcyrillic | | N Ucyrillic |
| N Elcyrillic | | N Udblacute |
| N Emcyrillic | | N Ushortcyrillic |
| N Encyrillic | | N Vecyrillic |
| N Ercyrillic | | N Yatcyrillic |
| N Ereversedcyrillic | | N Yericyrillic |
| N Escyrillic | | N Yicyrillic |
| N Fitacyrillic | | N Zdot |
| N Gcedilla | | N Zecyrillic |
| N Gdot | | N Zhecyrillic |
| N Gecyrillic | | N acutecmb |
| N Gheupturncyrillic | | N acyrillic |
| N Gjecyrillic | | N afii00208 |
| N Hardsigncyrillic | | N afii08941 |

| | |
|-----------------------------|--------------------------|
| 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 blacksmilingface | N fathaarabic |
| N blacksquare | N finalkaf |
| N blackuppointingtriangle | N finalkafdagesh |
| N bulletinverse | N finalkafhebrew |
| N cdot | N finalkafqamats |
| N compass | N finalkafqamatshebrew |
| N dagesh | N finalkafsheva |
| N dalet | N finalmem |
| N daletdagesh | N finalnun |
| N dalethatafpatah | N finalpe |
| N dalethatafpatahhebrew | N finaltsadi |
| N dalethatafsegol | N fivearabic |
| N dalethatafsegolhebrew | N forall |
| N dalethebrew | N fourarabic |
| N dalethiriq | N gcedilla |
| N dalethiriqhebrew | N gdot |
| N daletholam | N gimel |
| N daletholamhebrew | N gimeldagesh |
| N daletpatah | N gravecmb |
| N daletpatahhebrew | N haaltonearabic |
| N daletqamats | N hamzaarabic |
| N daletqamatshebrew | N hamzadammaarabic |
| N daletqubuts | N hamzadammatanarabic |
| N daletqubutshebrew | N hamzafathaarabic |
| N daletsegol | N hamzafathatanarabic |
| N daletsegolhebrew | N hamzalowarabic |
| N daletsheva | N hamzalowkasraarabic |

N hamzalowkasratanarabic
 N hatafpatah
 N hatafpatah16
 N hatafpatah23
 N hatafpatah2f
 N hatafpatahhebrew
 N hatafpatahnarrowhebrew
 N hatafpatahquarterhebrew
 N hatafqamats
 N hatafqamats1b
 N hatafqamats28
 N hatafqamats34
 N hatafqamatshebrew
 N hatafqamatsnarrowhebrew
 N hatafqamatsquarterhebrew
 N hatafsego1
 N hatafsego117
 N hatafsego124
 N hatafsego130
 N hatafsego1hebrew
 N hatafsego1narrowhebrew
 N hatafsego1quarterhebrew
 N he
 N hedagesh
 N hehfinalalttwoarabic
 N het
 N hiriq
 N hiriq14
 N hiriq21
 N hiriq2d
 N hiriqhebrew
 N hiriqnarrowhebrew
 N hiriqquarterhebrew
 N holam
 N holam19
 N holam26
 N holam32
 N holamhebrew
 N holamnarrowhebrew
 N holamquarterhebrew
 N ilde
 N integralbottom
 N integraltop
 N kaf

N kafdagesh
 N kashidaautoarabic
 N kashidaautonosidebearingarabic
 N kcedilla
 N lamed
 N lameddagesh
 N lamedhebrew
 N lamedholam
 N lamedholamdagesh
 N lamedholamdageshhebrew
 N laminitialarabic
 N lammeemjeeminitialarabic
 N lcedilla
 N logicalnotreversed
 N mahapakhhebrew
 N mem
 N memdagesh
 N merkhahebrew
 N merkhakefulahebrew
 N middot
 N munahhebrew
 N nbospace
 N ncedilla
 N newsheqelsign
 N ninearabic
 N noonhehinitialarabic
 N nun
 N nundagesh
 N odblacute
 N onearabic
 N overscore
 N patah
 N patah11
 N patah1d
 N patah2a
 N patahhebrew
 N patahnarrowhebrew
 N patahquarterhebrew
 N pe
 N pedagesh
 N qamats
 N qamats10
 N qamats1a
 N qamats1c

| | |
|----------------------------|------------------------|
| N qamats27 | N resh |
| N qamats29 | N reshhatafpatah |
| N qamats33 | N reshhatafpatahhebrew |
| N qamatsde | N reshhatafsegol |
| N qamatshebrew | N reshhatafsegolhebrew |
| N qamatsnarrowhebrew | N reshhebrew |
| N qamatsqatanhebrew | N reshhiriq |
| N qamatsqatannarrowhebrew | N reshhiriqhebrew |
| N qamatsqatanquarterhebrew | N reshholam |
| N qamatsqatanwidehebrew | N reshholamhebrew |
| N qamatsquarterhebrew | N reshpatah |
| N qof | N reshpatahhebrew |
| N qofdagesh | N reshqamats |
| N qofhatafpatah | N reshqamatshebrew |
| N qofhatafpatahhebrew | N reshqubuts |
| N qofhatafsegol | N reshqubutshebrew |
| N qofhatafsegolhebrew | N reshsegol |
| N qofhebrew | N reshsegolhebrew |
| N qofhiriq | N reshsheva |
| N qofhiriqhebrew | N reshshevahebrew |
| N qofholam | N reshtsere |
| N qofholamhebrew | N reviahebrew |
| N qofpatah | N samekh |
| N qofpatahhebrew | N samekhdagesh |
| N qofqamats | N segol |
| N qofqamatshebrew | N segol13 |
| N qofqubuts | N segol1f |
| N qofqubutshebrew | N segol2c |
| N qofsegol | N segolhebrew |
| N qofsegolhebrew | N segolnarrowhebrew |
| N qofsheva | N segolquarterhebrew |
| N qofshevahebrew | N sevenarabic |
| N qoftsere | N sfthyphen |
| N qubuts | N shaddaarabic |
| N qubuts18 | N sheqel |
| N qubuts25 | N sheva |
| N qubuts31 | N sheva115 |
| N qubutshebrew | N sheva15 |
| N qubutsnarrowhebrew | N sheva22 |
| N qubutsquarterhebrew | N sheva2e |
| N quotelleftreversed | N shevahebrew |
| N rafe | N shevanarrowhebrew |
| N rcedilla | N shevaquarterhebrew |
| N reharabic | N shin |

| | |
|----------------------------|-----------------------|
| 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 tildecmb | N Adiaeresis |
| N tipehahebrew | N Adiaeresismacron |
| N tsadi | N Adotaccent |
| N tsadidagesh | N Adotaccentmacron |
| N tsere | N Adotbelow |
| N tsere12 | N Adoublegrave |
| N tsere1e | N Agrave |
| N tsere2b | N Ahook |
| N tserehebrew | N Ainvertedbreve |
| N tserenarrowhebrew | N Amacron |
| N tserequarterhebrew | N Aogonek |
| N twoarabic | N Aring |
| N udblacute | N Aringacute |
| N vav | N Astroke |
| N vavgagesh | N Atilde |
| N vavgagesh65 | N Bhook |
| N vavholam | N Cacute |
| N yerahbenyomohebrew | N Ccaron |
| N yod | N Ccedilla |
| N yoddagesh | N Ccircumflex |
| N zayin | N Cdotaccent |
| N zayindagesh | N Chook |
| N zdot | N Cstroke |
| N zeroarabic | N DZcaronligature |
| D unicodes | N DZligature |
| D cache | N Dafrican |
| T ctxcodes | 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 Egonek
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 Igonek
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 Yacute
N Ycircumflex
N Ydiaeresis
N Ydotbelow
N Ygrave
N Yhook
N Ymacron
N Ytilde
N Zacute
N Zcaron
N Zdotaccent
N Zhook
N Zstroke
N aacute
N abreve
N abreveacute
N abrevdotbelow
N abrevegrave
N abrevehook
N abrevetilde
N acaron
N acircumflex
N acircumflexacute
N acircumflexdotbelow
N acircumflexgrave
N acircumflexhook

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| 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 aeacute | 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 atilde | N cyrillicERTick |
| N bhook | N cyrillicEbreve |
| N breakablethinspace | N cyrillicEdiaeresis |
| N bstroke | N cyrillicEgrave |
| N cacute | N cyrillicEiotified |
| N carriagereturn | N cyrillicF |
| N ccaron | N cyrillicFITA |
| N ccedilla | N cyrillicG |
| N ccircumflex | N cyrillicGHEmidhook |
| N ccurl | N cyrillicGHEstroke |
| N cdotaccent | N cyrillicGHEupturn |
| N chook | N cyrillicGJE |
| N copyright | N cyrillicH |
| N cstroke | N cyrillicHA |
| N cyrillicA | N cyrillicHADC |
| N cyrillicAE | N cyrillicHRDSN |
| N cyrillicAbreve | N cyrillicI |
| N cyrillicAdiaeresis | N cyrillicIE |
| N cyrillicB | N cyrillicII |
| N cyrillicBIGYUS | N cyrillicISHRT |
| N cyrillicBIGYUSiotified | N cyrillicISHRTtail |
| N cyrillicC | N cyrillicIZHITSA |
| N cyrillicCH | N cyrillicIZHITSAdoublegrave |
| N cyrillicCHEDC | N cyrillicIdiaeresis |
| N cyrillicCHEDCabkhasian | N cyrillicIgrave |
| N cyrillicCHEabkhasian | N cyrillicImacron |
| N cyrillicCHEdiaeresis | 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 cyrillicSEMISOFT
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

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| N cyrillicebreve | N cyrillicl |
| N cyrillicediaeresis | N cyrilliclittleyus |
| N cyrillicegrave | N cyrilliclittleyusiotified |
| N cyrilliceiotified | N cyrilliclje |
| N cyrilliceltail | N cyrillicm |
| N cyrillicemtail | N cyrillicn |
| N cyrillicendc | N cyrillicnje |
| N cyrillicenghe | N cyrillico |
| N cyrillicenhook | N cyrillicobarred |
| N cyrillicentail | N cyrillicobarreddiaeresis |
| N cyrillicerev | N cyrillicodiaeresis |
| N cyrillicertick | N cyrillicomega |
| N cyrillicery | N cyrillicomegaround |
| N cyrillicf | N cyrillicomegatitlo |
| N cyrillicfita | N cyrillicot |
| N cyrillicg | N cyrillicp |
| N cyrillicghemidhook | N cyrillicpemidhook |
| N cyrillicghestroke | N cyrillicpsi |
| N cyrillicgheupturn | N cyrillicr |
| N cyrillicgje | N cyrillics |
| N cyrillich | N cyrillicschwa |
| N cyrillicha | N cyrillicschwadiaeresis |
| N cyrillichadc | N cyrillicsdsc |
| N cyrillichrdsn | N cyrillicsemisoft |
| N cyrillici | N cyrillicsftsn |
| N cyrillicidiaeresis | N cyrillicsh |
| N cyrillicie | N cyrillicshch |
| N cyrillicigrave | N cyrillicshha |
| N cyrillicii | N cyrillict |
| N cyrillicimacron | N cyrillictedc |
| N cyrillicishrt | N cyrillicttetse |
| N cyrillicishrttail | N cyrillictshe |
| N cyrillicizhitsa | N cyrillicu |
| N cyrillicizhitsadoublegrave | N cyrillicudiaeresis |
| N cyrillicje | N cyrillicudoubleacute |
| N cyrillick | N cyrillicuk |
| N cyrillickabashkir | N cyrillicumacron |
| N cyrillickadc | N cyrillicushrt |
| N cyrillickahook | N cyrillicv |
| N cyrillickastroke | N cyrillicya |
| N cyrillickavertstroke | N cyrillicyat |
| N cyrillickje | N cyrillicyerudiaeresis |
| N cyrillickoppa | N cyrillicyi |
| N cyrillicksi | 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 dzigature
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 ffligature
N fhook
N figurespace
N filigature
N fiveeighths
N fivesixths
N flligature
N fourfifths
N fourperemspace
N gacute
N gbreve
N gcaron
N gcircumflex
N gcommaaccent
N gdotaccent
N greekAlpha
N greekAlphadasia
N greekAlphadasiaaperispomeni
N greekAlphadasiatonos
N greekAlphadasiaavaria
N greekAlphaiotasub
N greekAlphaiotasubdasia
N greekAlphaiotasubdasiaperispomeni
N greekAlphaiotasubdasiatonos
N greekAlphaiotasubdasiavaria
N greekAlphaiotasubpsili
N greekAlphaiotasubpsiliperispomeni
N greekAlphaiotasubpsilitonos
N greekAlphaiotasubpsilivaria
N greekAlphamacron
N greekAlphapsili
N greekAlphapsiliperispomeni
N greekAlphapsilitonos
N greekAlphapsilivaria
N greekAlphatonos
N greekAlphavaria
N greekAlphavrachy
N greekBeta
N greekChi

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| 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 greekOmegadasiaisperispomeni |
| N greekEpsilontonos | N greekOmegadasiatonos |
| N greekEpsilonvaria | N greekOmegadasiaavaria |
| N greekEta | N greekOmegaiotasub |
| N greekEtadasia | N greekOmegaiotasubdasia |
| N greekEtadasiaisperispomeni | N greekOmegaiotasubdasiaisperispomeni |
| N greekEtadasiatonos | N greekOmegaiotasubdasiatonos |
| N greekEtadasiaavaria | N greekOmegaiotasubdasiaavaria |
| N greekEtaiotasub | N greekOmegaiotasubpsili |
| N greekEtaiotasubdasia | N greekOmegaiotasubpsiliperispomeni |
| N greekEtaiotasubdasiaisperispomeni | N greekOmegaiotasubpsilitonos |
| N greekEtaiotasubdasiatonos | N greekOmegaiotasubpsilivaria |
| N greekEtaiotasubdasiaavaria | N greekOmegapsili |
| N greekEtaiotasubpsili | N greekOmegapsiliperispomeni |
| N greekEtaiotasubpsiliperispomeni | N greekOmegapsilitonos |
| N greekEtaiotasubpsilitonos | N greekOmegapsilivaria |
| N greekEtaiotasubpsilivaria | N greekOmegatonos |
| N greekEtapsili | N greekOmegavaria |
| N greekEtapsiliperispomeni | N greekOmicron |
| N greekEtapsilitonos | N greekOmicrondasia |
| N greekEtapsilivaria | N greekOmicrondasiatonos |
| N greekEtatonos | N greekOmicrondasiavaria |
| N greekEtavaria | N greekOmicronpsili |
| N greekGamma | N greekOmicronpsilitonos |
| N greekIota | N greekOmicronpsilivaria |
| N greekIotadasia | N greekOmicrontonos |
| N greekIotadasiaisperispomeni | N greekOmicronvaria |
| N greekIotadasiatonos | N greekPhi |
| N greekIotadasiaavaria | N greekPi |
| N greekIotadialytika | N greekPsi |
| N greekIotamacron | N greekRho |
| N greekIotapsili | N greekRhodasia |
| N greekIotapsiliperispomeni | N greekSigma |
| N greekIotapsilitonos | N greekSigmalunate |
| N greekIotapsilivaria | N greekTau |
| N greekIotatonos | N greekTheta |

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|-------------------------------------|-----------------------------------|
| 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 greekUpsilontonos | N greekepsilonalt |
| N greekUpsilonvaria | N greekepsilondasia |
| N greekUpsilonvrachy | N greekepsilondasiatonos |
| N greekXi | N greekepsilondasiavaria |
| N greekZeta | N greekepsilonoxia |
| N greekalpha | N greekepsilonpsili |
| N greekalphadasia | N greekepsilonpsilitonos |
| N greekalphadasiaperispomeni | N greekepsilonpsilivaria |
| N greekalphadasiatonos | N greekepsilonontonos |
| N greekalphadasiavaria | N greekepsilonvaria |
| N greekalphaiotasub | N greeketa |
| N greekalphaiotasubdasia | N greeketadasia |
| N greekalphaiotasubdasiaperispomeni | N greeketadasiaperispomeni |
| N greekalphaiotasubdasiatonos | N greeketadasiatonos |
| N greekalphaiotasubdasiavaria | N greeketadasiavaria |
| N greekalphaiotasubperispomeni | N greeketaiotasub |
| N greekalphaiotasubpsili | N greeketaiotasubdasia |
| N greekalphaiotasubpsiliperispomeni | N greeketaiotasubdasiaperispomeni |
| N greekalphaiotasubpsilitonos | N greeketaiotasubdasiatonos |
| N greekalphaiotasubpsilivaria | N greeketaiotasubdasiavaria |
| N greekalphaiotasubtonos | N greeketaiotasubperispomeni |
| N greekalphaiotasubvaria | N greeketaiotasubpsili |
| N greekalphamacron | N greeketaiotasubpsiliperispomeni |
| N greekalphaoxia | N greeketaiotasubpsilitonos |
| N greekalphaperispomeni | N greeketaiotasubpsilivaria |
| N greekalphapsili | N greeketaiotasubtonos |
| N greekalphapsiliperispomeni | N greeketaiotasubvaria |
| N greekalphapsilitonos | N greeketaoxia |
| N greekalphapsilivaria | N greeketaperispomeni |
| N greekalphatonos | N greeketapsili |
| N greekalphavaria | N greeketapsiliperispomeni |
| N greekalphavrachy | N greeketapsilitonos |
| N greekbeta | N greeketapsilivaria |
| N greekchi | N greeketatonos |
| N greekdasia | N greeketavaria |
| N greekdasiaperispomeni | N greekfinalsigma |
| N greekdasiatonos | N greekgamma |

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

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

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| N greekupsilondasiavaria | N hebrewTav |
| N greekupsilondiaeresis | N hebrewTet |
| N greekupsilondialytikaperispomeni | N hebrewTsadi |
| N greekupsilondialytikatonos | N hebrewTsadifinal |
| N greekupsilondialytikavaria | N hebrewVav |
| N greekupsilonmacron | N hebrewYod |
| N greekupsilonoxia | N hebrewZayin |
| N greekupsilonperispomeni | N hstroke |
| N greekupsilonpsili | N iacute |
| N greekupsilonpsiliperispomeni | N ibreve |
| N greekupsilonpsilitonos | N icaron |
| N greekupsilonpsilivaria | N icircumflex |
| N greekupsilontonos | N ideographichalffillspace |
| N greekupsilonvaria | N ideographicspace |
| N greekupsilonvrachy | N idiaeresis |
| N greekvaria | N idotaccent |
| N greekxi | N idotbelow |
| N greekzeta | N idoublegrave |
| N gstroke | N igrave |
| N guilsingleleft | N ihook |
| N guilsingleright | N iinvertedbreve |
| N hairspace | N ijligature |
| N hcaron | N imacron |
| N hcircumflex | N iogonek |
| N hebrewAlef | N itilde |
| N hebrewAyin | N jcaron |
| N hebrewBet | N jcircumflex |
| N hebrewDalet | N kcaron |
| N hebrewGimel | N kcommaaccent |
| N hebrewHe | N khook |
| N hebrewHet | N kkra |
| N hebrewKaf | N lacute |
| N hebrewKaffinal | N lbar |
| N hebrewLamed | N lcaron |
| N hebrewMem | N lcommaaccent |
| N hebrewMemfinal | N lcurl |
| N hebrewNun | N ldotmiddle |
| N hebrewNunfinal | N leftguillemot |
| N hebrewPe | N ljligature |
| N hebrewPefinal | N lstroke |
| N hebrewQof | N medspace |
| N hebrewResh | N nacute |
| N hebrewSamekh | N napostrophe |
| N hebrewShin | N narrownobreakspace |

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| N ncaron | N ordfeminine |
| N ncommaaccent | N ordmasculine |
| N ncurl | N ostroke |
| N neng | N ostrokeacute |
| N ngrave | N otilde |
| N njligature | N otildemacron |
| N nobreakspace | N paragraphmark |
| N ntilde | N periodcentered |
| N oacute | N perthousand |
| N obreve | N phook |
| N ocaron | N punctuationspace |
| N ocircumflex | N questiondown |
| N ocircumflexacute | N quotedbl |
| N ocircumflexdotbelow | N quotedblbase |
| N ocircumflexgrave | N quotedblleft |
| N ocircumflexhook | N quotedblright |
| N ocircumflextilde | N quoteleft |
| N odiaeresis | N quoteright |
| N odiaeresismacron | N quotesingle |
| N odotaccent | N quotesinglebase |
| N odotaccentmacron | N racute |
| N odotbelow | N rcaron |
| N odoublegrave | N rcommaaccent |
| N oeligature | N rdoublegrave |
| N ograve | N registered |
| N ohook | N rightguillemot |
| N ohorn | N rinvertedbreve |
| N ohornacute | N romanC |
| N ohorndotbelow | N romanD |
| N ohorngrave | N romanI |
| N ohornhook | N romanII |
| N ohorntilde | N romanIII |
| N ohungarumlaut | N romanIV |
| N oinvertedbreve | N romanIX |
| N omacron | N romanL |
| N oneeighth | N romanM |
| N onefifth | N romanV |
| N onehalf | N romanVI |
| N onequarter | N romanVII |
| N onesixth | N romanVIII |
| N onesuperior | N romanX |
| N onethird | N romanXI |
| N oogonek | N romanXII |
| N oogonekmacron | N romanc |

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|-------------------|---------------------|
| 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 |
| N scedilla | N textdollar |
| N schwa | N textdong |
| N schwahook | N textdotaccent |
| N scircumflex | N textellipsis |
| N scommaaccent | N texteuro |
| N sectionmark | N textfraction |
| N seveneighths | N textgrave |
| N sixperemspace | N texthash |
| N slong | N texthorizontalbar |
| N softthyphen | N texthungarumlaut |
| N ssharp | N textthyphen |
| N stligature | N textkelvin |
| N tcaron | N textlognot |
| N tcedilla | N textmacron |
| N tcommaaccent | N textmho |
| N tcurl | N textminus |
| N textAngstrom | N textmu |
| N textacute | N textmultiply |
| N textampersand | N textnumero |
| N textasciicircum | N textogonek |
| N textasciitilde | N textohm |
| N textat | N textounce |
| N textbackslash | N textpercent |
| N textbar | N textperiod |
| N textbottomcomma | N textpm |
| N textbottomdot | N textring |
| N textbraceleft | N textslash |

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|--------------------|------------------------|
| 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 |
| N ubreve | F load |
| N ucaron | F make_unicode_vector |
| N ucircumflex | D math |
| N udiaeresis | T names |
| N udiaeresisacute | T unicodes |
| N udiaeresiscaron | N A |
| N udiaeresisgrave | N AE |
| N udiaeresismacron | N AEacute |
| N udotbelow | N AEmacron |
| N udoublegrave | N Aacute |
| N ugrave | N Abreve |
| N uhook | N Abreveacute |
| N uhorn | N Abrevecyrillic |
| N uhornacute | N Abrevedotbelow |
| N uhorndotbelow | N Abrevegrave |
| N uhorngrave | N Abrevehookabove |
| N uhornhook | N Abrevetilde |
| N uhorntilde | N Acaron |
| N uhungarumlaut | N Acircle |
| N uinvertedbreve | N Acircumflex |
| N umacron | N Acircumflexacute |
| N uogonek | N Acircumflexdotbelow |
| N uring | N Acircumflexgrave |
| N utilde | N Acircumflexhookabove |
| N wcircumflex | N Acircumflextilde |
| N yacute | N Acyrillic |
| N ycircumflex | N Adblgrave |

N Adieresis
 N Adieresis Cyrillic
 N Adieresis macron
 N Adot below
 N Adot macron
 N Agrave
 N Ahook above
 N Aie Cyrillic
 N Ainverted breve
 N Alpha
 N Alphanos
 N Amacron
 N Amonospace
 N Aogonek
 N Aring
 N Aring acute
 N Aring below
 N Atilde
 N Aybarmenian
 N B
 N Bcircle
 N Bdotaccent
 N Bdotbelow
 N Becyrillic
 N Benarmenian
 N Beta
 N Bhook
 N Blinebelow
 N Bmonospace
 N Btopbar
 N C
 N Caarmenian
 N Cacute
 N Ccaron
 N Ccedilla
 N Ccedilla acute
 N Ccircle
 N Ccircumflex
 N Cdot
 N Cdotaccent
 N Chaarmenian
 N Cheabkhasian Cyrillic
 N Che Cyrillic
 N Chedescender abkhasian Cyrillic

N Chedescender Cyrillic
 N Chedieresis Cyrillic
 N Cheharmenian
 N Chekhakassian Cyrillic
 N Chevertical stroke Cyrillic
 N Chi
 N Chook
 N Cmonospace
 N Coarmenian
 N D
 N DZ
 N DZcaron
 N Daarmenian
 N Dafrican
 N Dcaron
 N Dcedilla
 N Dcircle
 N Dcircumflex below
 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 DZcaron
 N Dzeabkhasian Cyrillic
 N Dzecyrillic
 N Dzhecyrillic
 N E
 N Eacute
 N Ebreve
 N Ecaron
 N Ecedilla breve
 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 Eharmerian
N Ehookabove
N Eightroman
N Einvertedbreve
N Eiotifiedcyrillic
N Elcyrillic
N Elevenroman
N Emacron
N Emacronacute
N Emacrongrave
N Emcyrillic
N Emonospace
N Encyrillic
N Endescendercyrillic
N Eng
N Enghecyrillic
N Enhookcyrillic
N Eogonek
N Eopen
N Epsilon
N Epsilontonos
N Ercyrillic
N Ereversed
N Ereversedcyrillic
N Escyrillic
N Esdescendercyrillic
N Esh
N Eta
N Etarmenian

N Etatonos
N Eth
N Etilde
N Etildebelow
N Euro
N Ezh
N Ezhcaron
N Ezhreversed
N F
N Fcircle
N Fdotaccent
N Feharmenian
N Feicoptic
N Fhook
N Fitacyrillic
N Fiveroman
N Fmonospace
N Fourroman
N G
N GBsquare
N Gacute
N Gamma
N Gammaafrican
N Gangiacoptic
N Gbreve
N Gcaron
N Gcedilla
N Gcircle
N Gcircumflex
N Gcommaaccent
N Gdot
N Gdotaccent
N Gecyrillic
N Ghadarmenian
N Ghemiddlehookcyrillic
N Ghestrokecyrillic
N Gheupturncyrillic
N Ghook
N Gimarmenian
N Gjecyrillic
N Gmacron
N Gmonospace
N Gsmallhook
N Gstroke

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|--------------------------|----------------------------|
| 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 Hadesdescendercyrillic | 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 |
| N Hmonospace | N J |
| N Hoarmenian | N Jaarmenian |
| N Horicoptic | N Jcircle |
| N Hzsquare | N Jcircumflex |
| N I | N Jecyrillic |
| N IAcyrillic | N Jheharmenian |
| N IJ | N Jmonospace |
| N IUcyrillic | N K |
| N Iacute | N KBsquare |
| N Ibreve | N KKsquare |
| N Icaron | N Kabashkircyrillic |
| N Icircle | N Kacute |
| N Icircumflex | N Kacyrillic |
| N Icyrillic | N Kadesdescendercyrillic |
| N Idblgrave | N Kahookcyrillic |
| N Idieresis | N Kappa |
| N Idieresisacute | N Kastrokecyrillic |
| N Idieresisiscyrillic | N Kavertikalstrokecyrillic |
| N Idot | N Kcaron |
| N Idotaccent | N Kcedilla |
| N Idotbelow | N Kcircle |
| N Iebrevecyrillic | N Kcommaaccent |
| N Iecyrillic | N Kdotbelow |
| N Ifraktur | N Keharmenian |
| N Igrave | N Kenarmenian |
| N Ihookabove | N Khacyrillic |
| N Iicyrillic | N Kheicoptic |

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|--------------------|---------------------------|
| 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 |
| N Ldotaccent | N Ocaron |
| N Ldotbelow | N Ocenteredtilde |
| N Ldotbelowmacron | N Ocircle |
| N Liwnarmenian | N Ocircumflex |
| N Lj | N Ocircumflexacute |
| N Ljecyrillic | N Ocircumflexdotbelow |
| N Llinebelow | N Ocircumflexgrave |
| N Lmonospace | N Ocircumflexhookabove |
| N Lslash | N Ocircumflextilde |
| N M | N Ocyrillic |
| N MBSquare | N Odblacute |
| N Macute | N Odblgrave |
| N Mcircle | N Odieresis |
| N Mdotaccent | N Odieresiscyrillic |
| N Mdotbelow | N Odotbelow |
| N Menarmenian | N Ograve |
| N Mmonospace | N Oharmenian |
| N Mturned | N Ohm |
| N Mu | N Ohookabove |
| N N | N Ohorn |
| N NJ | N Ohornacute |
| N Nacute | N Ohorndotbelow |
| N Ncaron | N Ohorngrave |
| N Ncedilla | N Ohornhookabove |
| N Ncircle | N Ohorntilde |
| N Ncircumflexbelow | N Ohungarumlaut |
| N Ncommaaccent | N Oi |

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|------------------------|--------------------------|
| 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 Reharmerian |
| 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 Open | N S |
| N Oslash | N SF010000 |
| N Oslashacute | N SF020000 |
| N Ostrokeacute | N SF030000 |
| N Otcyrillic | N SF040000 |
| N Otilde | N SF050000 |
| N Otildeacute | N SF060000 |
| N Otildedieresis | N SF070000 |
| N P | N SF080000 |
| N Pacute | N SF090000 |
| N Pcircle | N SF10000 |
| N Pdotaccent | N SF100000 |
| N Pecyrillic | N SF110000 |
| N Peharmerian | N SF190000 |
| N Pemiddlehookcyrillic | N SF20000 |
| N Phi | N SF200000 |
| N Phook | N SF210000 |
| N Pi | N SF220000 |
| N Piwrarmenian | N SF230000 |
| N Pmonospace | N SF240000 |
| N Psi | N SF250000 |
| N Psicyrillic | N SF260000 |
| N Q | N SF270000 |
| N Qcircle | N SF280000 |
| N Qmonospace | N SF30000 |
| N R | N SF360000 |
| N Raarmenian | N SF370000 |
| N Racute | N SF380000 |

N SF390000
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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 Seharmanian
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 Tecyrillic
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

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| N Udblacute | N Vdotbelow |
| N Udblgrave | N Vecyrillic |
| N Udieresis | N Vewarmenian |
| N Udieresisacute | N Vhook |
| N Udieresisbelow | N Vmonospace |
| N Udieresiscaron | N Voarmenian |
| N Udieresiscyrillic | N Vtilde |
| N Udieresisgrave | N W |
| N Udieresismacron | N Wacute |
| N Udotbelow | N Wcircle |
| N Ugrave | N Wcircumflex |
| N Uhookabove | N Wdieresis |
| N Uhorn | N Wdotaccent |
| N Uhornacute | N Wdotbelow |
| N Uhorndotbelow | N Wgrave |
| N Uhorngrave | N Wmonospace |
| N Uhornhookabove | N X |
| N Uhorntilde | N Xcircle |
| N Uhungarumlaut | N Xdieresis |
| N Uhungarumlautcyrillic | N Xdotaccent |
| N Uinvertedbreve | N Xeharmenian |
| N Ukyrillic | N Xi |
| N Umacron | N Xmonospace |
| N Umacroncyrillic | N Y |
| N Umacrondieresis | N Yacute |
| N Umonospace | N Yatcyrillic |
| N Uogonek | N Ycircle |
| N Upsilon | N Ycircumflex |
| N Upsilon1 | N Ydieresis |
| N Upsilonacutehooksymbolgreek | N Ydotaccent |
| N Upsilonafrican | N Ydotbelow |
| N Upsilondieresis | N Yericyrillic |
| N Upsilondieresishooksymbolgreek | N Yerudieresiscyrillic |
| N Upsilonhooksymbol | N Ygrave |
| N Upsilontonos | N Yhook |
| N Uring | N Yhookabove |
| N Ushortcyrillic | N Yiarmenian |
| N Ustraightcyrillic | N Yicyrillic |
| N Ustraightstrokecyrillic | N Yiwnarmenian |
| N Utilde | N Ymonospace |
| N Utildeacute | N Ytilde |
| N Utildebelow | N Yusbigcyrillic |
| N V | N Yusbigiotifiedcyrillic |
| N Vcircle | N Yuslitlecyrillic |

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| N Yuslitleiotifiedcyrillic | N acaron |
| N Z | N acircle |
| N Zaarmenian | N acircumflex |
| N Zacute | N acircumflexacute |
| N Zcaron | N acircumflexdotbelow |
| N Zcircle | N acircumflexgrave |
| N Zcircumflex | N acircumflexhookabove |
| N Zdot | N acircumflextilde |
| N Zdotaccent | N acute |
| N Zdotbelow | N acutebelowcmb |
| N Zecyrillic | N acutecmb |
| N Zedescendercyrillic | N acutecomb |
| N Zedieresiscyrillic | N acutedeva |
| N Zeta | N acutelowmod |
| N Zhearmenian | N acutetonecmb |
| N Zhebrevecyrillic | N acyrillic |
| N Zhecyrillic | N adblgrave |
| N Zhedescendercyrillic | N addakgurmukhi |
| N Zhedieresiscyrillic | N adeva |
| N Zlinebelow | N adieresis |
| N Zmonospace | N adieresiscyrillic |
| N Zstroke | N adieresismacron |
| N a | N adotbelow |
| N aabengali | N adotmacron |
| N aacute | N ae |
| N aadeva | N aeacute |
| N aagujarati | N aekorean |
| N aagurmukhi | N aemacron |
| N aamatragurmukhi | N afii00208 |
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| N aavowelsigndeva | N afii10018 |
| N aavowelsigngujarati | N afii10019 |
| N abbreviationmarkarmenian | N afii10020 |
| N abbreviationsigndeva | N afii10021 |
| N abengali | N afii10022 |
| N abopomofo | N afii10023 |
| N abreve | N afii10024 |
| N abreveacute | N afii10025 |
| N abrevecyrillic | N afii10026 |
| N abrevedotbelow | N afii10027 |
| N abrevegrave | N afii10028 |
| N abrevehookabove | N afii10029 |
| N abrevetilde | N afii10030 |

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| N afii10031 | N afii10077 |
| N afii10032 | N afii10078 |
| N afii10033 | N afii10079 |
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| N afii10043 | N afii10089 |
| N afii10044 | N afii10090 |
| N afii10045 | N afii10091 |
| N afii10046 | N afii10092 |
| N afii10047 | N afii10093 |
| N afii10048 | N afii10094 |
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| N afii10055 | N afii10101 |
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| N afii10058 | N afii10104 |
| N afii10059 | N afii10105 |
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| N afii10062 | N afii10108 |
| N afii10065 | N afii10109 |
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| N afii10068 | N afii10146 |
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| N afii10070 | N afii10148 |
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| N afii10075 | N afii10846 |
| N afii10076 | N afii208 |

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| N afii57440 | N afii57675 |

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| N afii57680 | N afii63167 |
| N afii57681 | N afii64937 |
| N afii57682 | N agrave |
| N afii57683 | N agujarati |
| N afii57684 | N agurmukhi |
| N afii57685 | N ahiragana |
| N afii57686 | N ahookabove |
| N afii57687 | N aibengali |
| N afii57688 | N aibopomofo |
| N afii57689 | N aideva |
| N afii57690 | N aiecyrillic |
| N afii57694 | N aigujarati |
| N afii57695 | N aigurmukhi |
| N afii57700 | N aimatragurmukhi |
| N afii57705 | N ainarabic |
| N afii57716 | N ainfinalarabic |
| N afii57717 | N aininitialarabic |
| N afii57718 | N ainmedialarabic |
| N afii57723 | N ainvertedbreve |
| N afii57793 | N aivowelsignbengali |
| N afii57794 | N aivowelsigndeva |
| N afii57795 | N aivowelsigngujarati |
| N afii57796 | N akatakana |
| N afii57797 | N akatakanahalfwidth |
| N afii57798 | N akorean |
| N afii57799 | N alef |
| N afii57800 | N alefarabic |
| N afii57801 | N alefdageshhebrew |
| N afii57802 | N aleffinalarabic |
| N afii57803 | N alefhamzaabovearabic |
| N afii57804 | N alefhamzaabovefinalarabic |
| N afii57806 | N alefhamzabelowarabic |
| N afii57807 | N alefhamzabelowfinalarabic |
| N afii57839 | N alefhebrew |
| N afii57841 | N aleflamedhebrew |
| N afii57842 | N alefmaddaabovearabic |
| N afii57929 | N alefmaddaabovefinalarabic |
| N afii61248 | N alefmaksuraarabic |
| N afii61289 | N alefmaksurafinalarabic |
| N afii61352 | N alefmaksurainitialarabic |

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

| | |
|---------------------------|---------------------------------------|
| N ascriptturned | N bbopomofo |
| N asmallhiragana | N bcircle |
| N asmallkatakana | N bdotaccent |
| N asmallkatakanahalfwidth | N bdotbelow |
| N asterisk | N beamedsixteenthnotes |
| N asteriskaltonearabic | N because |
| N asteriskarabic | N becyrillic |
| N asteriskmath | N beharabic |
| N asteriskmonospace | N behfinalarabic |
| N asterisksmall | N behinitialarabic |
| N asterism | N behiragana |
| N asymptoticallyequal | N behmedialarabic |
| N at | N behmeeminitialarabic |
| N atilde | N behmeemisolatedarabic |
| N atmonospace | N behnoonfinalarabic |
| N atsmall | N bekatakana |
| N aturned | N benarmenian |
| N aubengali | N bet |
| N aubopomofo | N beta |
| N audeva | N betasymbolgreek |
| N augujarati | N betdagesh |
| N augurmukhi | N betdageshhebrew |
| N aulengthmarkbengali | N bethebrew |
| N aumatragurmukhi | N betrafehebrew |
| N auvowelsignbengali | N bhabengali |
| N auvowelsigndeva | N bhadeva |
| N auvowelsingujarati | N bhagujarati |
| N avagrahadeva | N bhagurmukhi |
| N aybarmenian | N bhook |
| N ayin | N bihiragana |
| N ayinaltonehebrew | N bikatakana |
| N ayinhebrew | N bilabialclick |
| N b | N bindigurmukhi |
| N babengali | N birusquare |
| N backslash | N blackcircle |
| N backslashmonospace | N blackdiamond |
| N badeva | N blackdownpointingtriangle |
| N bagujarati | N blackleftpointingpointer |
| N bagurmukhi | N blackleftpointingtriangle |
| N bahiragana | N blacklenticularbracketleft |
| N bahtthai | N blacklenticularbracketleftvertical |
| N bakatakana | N blacklenticularbracketright |
| N bar | N blacklenticularbracketrightvertical |
| N barmonospace | N blacklowerlefttriangle |

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|--------------------------------|-----------------------|
| N blacklowerighttriangle | N buhiragana |
| N blackrectangle | N bukatakana |
| N blackrightpointingpointer | N bullet |
| N blackrightpointingtriangle | N bulletinverse |
| N blacksmallsquare | N bulletoperator |
| N blacksmilingface | N bullseye |
| N blacksquare | N c |
| N blackstar | N caarmenian |
| N blackupperlefttriangle | N cabengali |
| N blackupperrighttriangle | N cacute |
| N blackuppointingsmalltriangle | N cadeva |
| N blackuppointingtriangle | N cagujarati |
| N blank | N cagurmukhi |
| N blinebelow | N calsquare |
| N block | N candrabindubengali |
| N bmonospace | N candrabinducmb |
| N bobaimaithai | N candrabindudeva |
| N bohiragana | N candrabindugujarati |
| N bokatakana | N capslock |
| N bparen | N careof |
| N bsquare | N caron |
| N braceleft | N caronbelowcmb |
| N braceleftmonospace | N caroncmb |
| N braceleftsmall | N carriagereturn |
| N braceleftvertical | N cbopomofo |
| N braceright | N ccaron |
| N bracerightmonospace | N ccedilla |
| N bracerightsmall | N ccedillaacute |
| N bracerightvertical | N ccircle |
| N bracketleft | N ccircumflex |
| N bracketleftmonospace | N ccurl |
| N bracketright | N cdot |
| N bracketrightmonospace | N cdotaccent |
| N breve | N cdsquare |
| N brevebelowcmb | N cedilla |
| N brevecmb | N cedillacmb |
| N breveinvertedbelowcmb | N cent |
| N breveinvertedcmb | N centigrade |
| N breveinverteddoublecmb | N centmonospace |
| N bridgebelowcmb | N chaarmenian |
| N bridgeinvertedbelowcmb | N chabengali |
| N brokenbar | N chadeva |
| N bstroke | N chagujarati |
| N btopbar | N chagurmukhi |

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|---------------------------------|--------------------------|
| 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 colontriangularmod |
| N chieuchaparenkorean | N comma |
| N chieuchcirclekorean | N commaabovecmb |
| N chieuchkorean | N commaaboverightcmb |
| N chieuchparenkorean | N commaarabic |
| N chochangthai | N commaarmenian |
| N chochanthai | N commamonospace |
| N chochingthai | N commareversedabovecmb |
| N chochoethai | N commareversedmod |
| N chook | N commasmall |
| N cieucacirclekorean | N commaturnedabovecmb |
| N cieucaparenkorean | N commaturnedmod |
| N cieuccirclekorean | N compass |
| N cieuckorean | N congruent |
| N cieucparenkorean | N contourintegral |
| N cieucuparenkorean | N control |
| N circle | N controlACK |
| N circlemultiply | N controlBEL |
| N circleot | N controlBS |
| N circleplus | N controlCAN |
| N circlepostalmark | N controlCR |
| N circlewithlefthalfblack | N controlDC1 |
| N circlewithrighthalfblack | N controlDC2 |
| N circumflex | N controlDC3 |
| N circumflexbelowcmb | N controlDC4 |
| N circumflexcmb | N controlDEL |
| N clear | N controlDLE |
| N clickalveolar | N controlEM |
| N clickdental | N controlENQ |
| N clicklateral | N controlEOT |
| N clickretroflex | N controlESC |
| N club | N controlETB |
| N clubsuitblack | N controlETX |

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|-------------------------------|--------------------------------|
| 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 daletthatafpatah |
| N controlSO | N daletthatafpatahhebrew |
| N controlSOT | N daletthatafsegol |
| N controlSTX | N daletthatafsegolhebrew |
| 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 cornerbracketlefthalfwidth | N daletpatahhebrew |
| N cornerbracketleftvertical | N daletqamats |
| N cornerbracketright | N daletqamatshebrew |
| N cornerbracketrighthalfwidth | N daletqubuts |
| N cornerbracketrightvertical | N daletqubutshebrew |
| N corporationsquare | N daletsegol |
| N cosquare | N daletsegolhebrew |
| N coverkgsquare | N daletsheva |
| N cparen | N daletshevahebrew |
| N cruzeiro | N dalettsere |
| N cstretched | N dalettserehebrew |
| N curlyand | N dalfinalarabic |
| N curlyor | N dammaarabic |
| N currency | N dammalowarabic |
| N d | N dammatanaltonearabic |
| N daarmenian | N dammatanarabic |
| N dabengali | N danda |
| N dadarabic | N dargahebrew |
| N dadeva | N dargalefthebrew |
| N dadfinalarabic | N dasiapneumatacyrilliccmb |
| N dadinitialarabic | N dblanglebracketleft |
| N dadmedialarabic | N dblanglebracketleftvertical |
| N dagesh | N dblanglebracketright |
| N dageshhebrew | N dblanglebracketrightvertical |
| N dagger | N dblarchinvertedbelowcmb |
| N daggerdbl | N dblarrowleft |
| N dagujarati | N dblarrowright |

N dbldanda
 N dblgravcomb
 N dblintegral
 N dbllowline
 N dbllowlinecmb
 N dbloverlinecmb
 N dblprimemod
 N dblverticalbar
 N dblverticallineabovecmb
 N dbopomofo
 N dbsquare
 N dcaron
 N dcedilla
 N dcircle
 N dcircumflexbelow
 N dcroat
 N ddabengali
 N ddadeva
 N ddagujarati
 N ddagurmukhi
 N ddalarabic
 N ddalfinalarabic
 N dddhadeva
 N ddhabengali
 N ddhadeva
 N ddhagujarati
 N ddhagurmukhi
 N ddotaccent
 N ddotbelow
 N decimalseparatorarabic
 N decimalseparatorpersian
 N decyrillic
 N degree
 N dehihebrew
 N dehiragana
 N deicoptic
 N dekatakana
 N deleteleft
 N deleteright
 N delta
 N delteturned
 N denominatorminusonenumeratorbengali
 N dezh
 N dhabengali

N dhadeva
 N dhagujarati
 N dhagurmukhi
 N dhook
 N dialytikatonos
 N dialytikatonoscmb
 N diamond
 N diamondsuitwhite
 N dieresis
 N dieresisbelowcmb
 N dieresiscomb
 N dieresis-tonos
 N dihiragana
 N dikatakana
 N dittomark
 N divide
 N divides
 N divisionslash
 N djecyrillic
 N dkshade
 N dlinebelow
 N dlsquare
 N dmacron
 N dmonospace
 N dnblock
 N dochadathai
 N dodekthai
 N dohiragana
 N dokatakana
 N dollar
 N dollarmonospace
 N dollarsmall
 N dong
 N dorussquare
 N dotaccent
 N dotaccentcmb
 N dotbelowcmb
 N dotbelowcomb
 N dotkatakana
 N dotlessi
 N dotlessj
 N dotlessjstrokehook
 N dotmath
 N dottedcircle

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|----------------------------|-------------------------------|
| N doubleyodpatah | N edotbelow |
| N doubleyodpatahhebrew | N eegurmukhi |
| N downtackbelowcmb | N eematragurmukhi |
| N downtackmod | N efcyrillic |
| N dparen | N egrave |
| N dtail | N egujarati |
| N dtopbar | N eharmanian |
| N duhiragana | N ehbopomofo |
| N dukatakana | N ehiragana |
| N dz | N ehookabove |
| N dzaltone | N eibopomofo |
| N dzcaron | N eight |
| N dzcurl | N eightarabic |
| N dzeabkhasiancyrillic | N eightbengali |
| N dzecyrillic | N eightcircle |
| N dzhecyrillic | N eightcircleinversesansserif |
| N e | N eightdeva |
| N eacute | N eightteencircle |
| N earth | N eighteenparen |
| N ebengali | N eighteenperiod |
| N ebopomofo | N eightgujarati |
| N ebreve | N eightgurmukhi |
| N ecandradeva | N eighthackarabic |
| N ecandragujarati | N eighthangzhou |
| N ecandravowelsigndeva | N eighthnotebeamed |
| N ecandravowelsigngujarati | N eightideographicparen |
| N ecaron | N eightinferior |
| N ecedillabreve | N eightmonospace |
| N echarmenian | N eightparen |
| N echiwnarmenian | N eightperiod |
| N ecircle | N eightpersian |
| N ecircumflex | N eightroman |
| N ecircumflexacute | N eightsuperior |
| N ecircumflexbelow | N eightthai |
| N ecircumflexdotbelow | N einvertedbreve |
| N ecircumflexgrave | N eiotifiedcyrillic |
| N ecircumflexhookabove | N ekatakana |
| N ecircumflextilde | N ekatakanahalfwidth |
| N ecyrillic | N ekonkargurmukhi |
| N edblgrave | N ekorean |
| N edeva | N elcyrillic |
| N edieresis | N element |
| N edot | N elevencircle |
| N edotaccent | N elevenparen |

| | |
|------------------------|---------------------------|
| N elevenperiod | N esh |
| N elevenroman | N eshcurl |
| N ellipsis | N eshortdeva |
| N ellipsisvertical | N eshortvowelsigndeva |
| N emacron | N eshreversedloop |
| N emacronacute | N eshsquatreversed |
| N emacrongrave | N esmallhiragana |
| N emcyrillic | N esmallkatakana |
| N emdash | N esmallkatakanahalfwidth |
| N emdashvertical | N estimated |
| N emonospace | N eta |
| N emphasismarkarmenian | N etarmenian |
| N emptyset | N etatonos |
| N enbopomofo | N eth |
| N encyrillic | N etilde |
| N endash | N etildebelow |
| N endashvertical | N etnahtafoukhhebrew |
| N endescendercyrillic | N etnahtafoukhlefthebrew |
| N eng | N etnahtahebrew |
| N engbopomofo | N etnahtalefthebrew |
| N enghecyrillic | N eturned |
| N enhookcyrillic | N eukorean |
| N enspace | N euro |
| N eogonek | N evowelsignbengali |
| N eokorean | N evowelsigndeva |
| N eopen | N evowelsigngujarati |
| N eopenclosed | N exclam |
| N eopenreversed | N exclamarmenian |
| N eopenreversedclosed | N exclamdbl |
| N eopenreversedhook | N exclamdown |
| N eparen | N exclammonospace |
| N epsilon | N existential |
| N epsilonontonos | N ezh |
| N equal | N ezhcaron |
| N equalmonospace | N ezhcurl |
| N equalsmall | N ezhreversed |
| N equalsuperior | N ezhtail |
| N equivalence | N f |
| N erbopomofo | N fadeva |
| N ercyrillic | N fagurmukhi |
| N ereversed | N fahrenheit |
| N ereversedcyrillic | N fathaarabic |
| N escyrillic | N fathalowarabic |
| N esdescendercyrillic | N fathatanarabic |

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|------------------------------|------------------------------|
| 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 figuredash | N fmonospace |
| N filledbox | N fmsquare |
| N filledrect | N fofanthai |
| N finalkaf | N fofathai |
| N finalkafdagesh | N fongmanthai |
| N finalkafdageshhebrew | N forall |
| N finalkafhebrew | N four |
| N finalkafqamats | N fourarabic |
| N finalkafqamatshebrew | N fourbengali |
| N finalkafsheva | N fourcircle |
| N finalkafshevahebrew | N fourcircleinversesansserif |
| N finalmem | N fourdeva |
| N finalmemhebrew | N fourgujarati |
| N finalnun | N fourgurmukhi |
| N finalnunhebrew | N fourhackarabic |
| N finalpe | N fourhangzhou |
| N finalpehebrew | N fourideographicparen |
| N finaltsadi | N fourinferior |
| N finaltsadihebrew | N fourmonospace |
| N firsttonechinese | N fournumeratorbengali |
| N fisheye | N fourparen |
| N fitacyrillic | N fourperiod |
| N five | N fourpersian |
| N fivearabic | N fourroman |
| N fivebengali | N foursuperior |
| N fivecircle | N fourteencircle |
| N fivecircleinversesansserif | N fourteenparen |

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|-------------------------|-------------------------------|
| N fourteenperiod | N ghadeva |
| N fourthai | N ghagujarati |
| N fourthtonechinese | N ghagurmukhi |
| N fparen | N ghainarabic |
| N fraction | N ghainfinalarabic |
| N franc | N ghaininitialarabic |
| N g | N ghainmedialarabic |
| N gabengali | N ghemiddlehookcyrillic |
| N gacute | N ghestrokecyrillic |
| N gadeva | N gheupturncyrillic |
| N gafarabic | N ghhadeva |
| N gaffinalarabic | N ghagurmukhi |
| N gafinitialarabic | N ghook |
| N gafmedialarabic | N ghzsquare |
| N gagujarati | N gihiragana |
| N gagurmukhi | N gikatakana |
| N gahiragana | N gimarmenian |
| N gakatakana | N gimel |
| N gamma | N gimeldagesh |
| N gammalatinsmall | N gimeldageshhebrew |
| N gammasuperior | N gimelhebrew |
| N gangiacoptic | N gjecyrillic |
| N gbopomofo | N glottalinvertedstroke |
| N gbreve | N glottalstop |
| N gcaron | N glottalstopinverted |
| N gcedilla | N glottalstopmod |
| N gcircle | N glottalstopreversed |
| N gcircumflex | N glottalstopreversedmod |
| N gcommaaccent | N glottalstopreversedsuperior |
| N gdot | N glottalstopstroke |
| N gdotaccent | N glottalstopstrokereversed |
| N gecyrillic | N gmacron |
| N gehiragana | N gmonospace |
| N gekatakana | N gohiragana |
| N geometricallyequal | N gokatakana |
| N gereshaccenthebrew | N gparen |
| N gereshhebrew | N gpasquare |
| N gereshmuqdamhebrew | N gradient |
| N germandbls | N grave |
| N gershayimaccenthebrew | N gravebelowcmb |
| N gershayimhebrew | N gravecmb |
| N getamark | N gravecomb |
| N ghabengali | N gravedeva |
| N ghadarmenian | N gravelowmod |

| | |
|-----------------------|----------------------------|
| 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 greater-small | 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 gukatakana | N hatafqamats28 |
| N gurusquare | N hatafqamats34 |
| N gysquare | N hatafqamatshebrew |
| N h | N hatafqamatsnarrowhebrew |
| N haabkhasiancyrillic | N hatafqamatsquarterhebrew |
| N haaltonearabic | N hatafqamatswidehebrew |
| N habengali | N hatafsegol |
| N hadescendercyrillic | N hatafsegol17 |
| N hadeva | N hatafsegol24 |
| N haguejarati | N hatafsegol30 |
| N hagurmukhi | N hatafsegolhebrew |
| N haharabic | N hatafsegolnarrowhebrew |
| N hahfinalarabic | N hatafsegolquarterhebrew |
| N hahinitialarabic | N hatafsegolwidehebrew |
| N hahiragana | N hbar |
| N hahmedialarabic | N hbopomofo |
| N haitusquare | N hbrevebelow |
| N hakatakana | N hcedilla |
| N hakatakanahalfwidth | N hcircle |
| N halantgurmukhi | N hcircumflex |
| N hamzaarabic | N hdieresis |
| N hamzadammaarabic | N hdotaccent |
| N hamzadammatanarabic | N hdotbelow |
| N hamzafathaarabic | N he |
| N hamzafathatanarabic | N heart |
| N hamzalarabic | N heartsuitblack |
| N hamzalowkasraarabic | N heartsuitwhite |

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|-------------------------------|---------------------------|
| N hedagesh | N hohipthai |
| N hedageshhebrew | N hohiragana |
| N hehaltonearabic | N hokatakana |
| N heharabic | N hokatakanahalfwidth |
| N hehebrew | N holam |
| N hehfinalalttonearabic | N holam19 |
| N hehfinalalttwoarabic | N holam26 |
| N hehfinalarabic | N holam32 |
| N hehhamzaabovefinalarabic | N holamhebrew |
| N hehhamzaaboveisolatedarabic | N holamnarrowhebrew |
| N hehinitialalttonearabic | N holamquarterhebrew |
| N hehinitialarabic | N holamwidehebrew |
| N hehiragana | N honokhukthai |
| N hehmedialalttonearabic | N hookabovecmb |
| N hehmedialarabic | N hookcmb |
| N heiseierasquare | N hookpalatalizedbelowcmb |
| N hekatakana | N hookretroflexbelowcmb |
| N hekatakanahalfwidth | N hoonsquare |
| N hekutaarusquare | N horicoptic |
| N henghook | N horizontalbar |
| N herutusquare | N horncmb |
| N het | N hotsprings |
| N hethebrew | N house |
| N hhook | N hparen |
| N hhooksuperior | N hsuperior |
| N hieuhacirclekorean | N hturned |
| N hieuhaparenkorean | N huhiragana |
| N hieuhcirclekorean | N huiitosquare |
| N hieuhkorean | N hukatakana |
| N hieuhparenkorean | N hukatakanahalfwidth |
| N hhiragana | N hungarumlaut |
| N hikatakana | N hungarumlautcmb |
| N hikatakanahalfwidth | N hv |
| N hiriq | N hyphen |
| N hiriq14 | N hyphenmonospace |
| N hiriq21 | N hyphensmall |
| N hiriq2d | N hyphentwo |
| N hiriqhebrew | N i |
| N hiriqnarrowhebrew | N iacute |
| N hiriqqarterhebrew | N iacyrillic |
| N hiriqwidehebrew | N ibengali |
| N hlinebelow | N ibopomofo |
| N hmonospace | N ibreve |
| N hoarmenian | N icaron |

| | |
|----------------------------------|-----------------------------|
| 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 ideographicfestivalparen | N iebrevecyrillic |
| N ideographicfinancialcircle | N icyrillic |
| N ideographicfinancialparen | N ieungacirclekorean |
| N ideographicfireparen | N ieungaparenkorean |
| N ideographichaveparen | N ieungcirclekorean |
| N ideographichighcircle | N ieungkorean |
| N ideographiciterationmark | N ieungparenkorean |
| N ideographiclaborcircle | N igrave |
| N ideographiclaborparen | N igujarati |
| N ideographicleftcircle | N igurmukhi |
| N ideographiclowcircle | N ihiragana |
| N ideographicmedicinecircle | N ihookabove |
| N ideographicmetalparen | N ibengali |
| N ideographicmoonparen | N icyrillic |
| N ideographicnameparen | N ideva |
| N ideographicperiod | N iigujarati |
| N ideographicprintcircle | N iigurmukhi |
| N ideographicreachparen | N iimatragurmukhi |
| N ideographicrepresentparen | N iinvertedbreve |
| N ideographicresourceparen | N iishortcyrillic |
| N ideographicrightcircle | N iivowelsignbengali |
| N ideographicsecretcircle | N iivowelsigndeva |
| N ideographicselfparen | N iivowelsigngujarati |
| N ideographicsocietyparen | N ij |
| N ideographicspace | N ikatakana |
| N ideographicspecialparen | N ikatakanahalfwidth |
| N ideographicstockparen | N ikorean |

| | |
|-----------------------------|---------------------------|
| N 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 jcrossetail |
| N integralbt | N jdotlessstroke |
| N integraltop | N jecyrillic |
| N integraltp | N jeemarabic |
| N intersection | N jeemfinalarabic |
| N intisquare | N jeeminitialarabic |
| N invbullet | N jeemmedialarabic |
| N invcircle | N jeharabic |
| N invsmileface | N jehfinalarabic |
| N iocyrillic | N jhabengali |
| N iogonek | N jhadeva |
| N iota | N jhagujarati |
| N iotadieresis | N jhagurmukhi |
| N iotadieresis-tonos | N jheharmenian |
| N iotalatin | N jis |
| N iotatonos | N jmonospace |
| N iparen | N jparen |
| N irigurmukhi | N jsuperior |
| N ismallhiragana | N k |
| N ismallkatakana | N kabashkircyrillic |
| N ismallkatakana-halfwidth | N kabengali |
| N issharbengali | N kacute |
| N istroke | N kacyrillic |
| N iterationhiragana | N kadescendercyrillic |
| N iterationkatakana | N kadeva |
| N itilde | N kaf |
| N itildebelow | N kafarabic |
| N iubopomofo | N kafdagesh |
| N iucyrillic | N kafdageshhebrew |
| N ivowelsignbengali | N kaffinalarabic |
| N ivowelsigndeva | N kafhebrew |
| N ivowelsigngujarati | N kafinitialarabic |
| N izhitsacyrillic | N kafmedialarabic |

| | |
|--------------------------------|------------------------|
| N kafrafebrew | N khahinitialarabic |
| N kagujarati | N khahmedialarabic |
| N kagurmukhi | N kheicoptic |
| N kahiragana | N khhadeva |
| N kahookcyrillic | N khhagurmukhi |
| N kakatakana | N khieukhacirclekorean |
| N kakatakanahalfwidth | N khieukhaparenkorean |
| N kappa | N khieukhcirclekorean |
| N kappasymbolgreek | N khieukhkorean |
| N kapyeounmieumkorean | N khieukhparenkorean |
| N kapyeounphieuphkorean | N khokhaithai |
| N kapyeounpieupkorean | N khokhonthai |
| N kapyeounssangpieupkorean | N khokhuatthai |
| N karoriisquare | N khokhwaithai |
| N kashidaautoarabic | N khomutthai |
| N kashidaautosidebearingarabic | N khook |
| N kasmallkatakana | N khorakhangthai |
| N kasquare | N khzsquare |
| N kasraarabic | N kihiragana |
| N kasratanarabic | N kikatakana |
| N kastrokecyrillic | N kikatakanahalfwidth |
| N katahiraprolongmarkhalfwidth | N kioguramusquare |
| N kavericalstrokecyrillic | N kiromeetorusquare |
| N kbopomofo | N kirosquare |
| N kcalsquare | N kiyeokacirclekorean |
| N kcaron | N kiyeokaparenkorean |
| N kcedilla | N kiyeokcirclekorean |
| N kcircle | N kiyeokkorean |
| N kcommaaccent | N kiyeokparenkorean |
| N kdotbelow | N kiyeoksioskorean |
| N keharmerian | N kjecyrillic |
| N kehiragana | N klinebelow |
| N kekatakana | N klsquare |
| N kekatakanahalfwidth | N kmcubedsquare |
| N kenarmenian | N kmonospace |
| N kesmallkatakana | N kmsquaredsquare |
| N kgreenlandic | N kohiragana |
| N khabengali | N kohmsquare |
| N khacyrillic | N kokaithai |
| N khadeva | N kokatakana |
| N khagujarati | N kokatakanahalfwidth |
| N khagurmukhi | N kooposquare |
| N khaharabic | N koppacyrillic |
| N khahfinalarabic | N koreanstandardsymbol |

| | |
|-----------------------------------|-----------------------------|
| N koroniscmb | N lammeemhahinitialarabic |
| N kparen | N lammeeminitialarabic |
| N kpsquare | 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 lcircumflexbelow |
| N labengali | N lcommaaccent |
| N lacute | N ldot |
| N ladeva | N ldotaccent |
| N lagujarati | N ldotbelow |
| N lagurmukhi | N ldotbelowmacron |
| N lakkhangyaothai | N leftangleabovecmb |
| N lamaleffinalarabic | N lefttackbelowcmb |
| N lamalefhamzaabovefinalarabic | N less |
| N lamalefhamzaaboveisolatedarabic | N lessequal |
| N lamalefhamzabelowfinalarabic | N lessequalorgreater |
| N lamalefhamzabelowisolatedarabic | N lessmonospace |
| N lamalefisolatedarabic | N lessorequivalent |
| N lamalefmaddaabovefinalarabic | N lessorgreater |
| N lamalefmaddaaboveisolatedarabic | N lessoverequal |
| N lamarabic | N lesssmall |
| N lambda | N lezh |
| N lambdastroke | N lfblock |
| N lamed | N lhookretroflex |
| N lameddagesh | N lira |
| N lameddageshhebrew | N liwnarmenian |
| N lamedhebrew | N lj |
| N lamedholam | N ljecyrillic |
| N lamedholamdagesh | N lladeva |
| N lamedholamdageshhebrew | N llagujarati |
| N lamedholamhebrew | N llinebelow |
| N lamfinalarabic | N llladeva |
| N lamhahinitialarabic | N llvocalicbengali |
| N laminitialarabic | N llvocalicdeva |
| N lamjeeminitialarabic | N llvocalicvowelsignbengali |
| N lamkhahinitialarabic | N llvocalicvowelsigndeva |
| N lamlamhehisolatedarabic | N lmiddletilde |
| N lammedialarabic | N lmonospace |

| | |
|----------------------------|------------------------------|
| 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 lvocalicbengali | N meemmeeminitialarabic |
| N lvocalicdeva | N meemmeemisolatedarabic |
| N lvocalicvowelsignbengali | N meetorusquare |
| N lvocalicvowelsigndeva | N mehiragana |
| N lxsquare | N meizierasquare |
| N m | N mekatakana |
| N mabengali | N mekatakanahalfwidth |
| N macron | N mem |
| N macronbelowcmb | N memdagesh |
| N macroncmb | N memdageshhebrew |
| N macronlowmod | N memhebrew |
| N macronmonospace | N menarmenian |
| N macute | N merkhahebrew |
| N madeva | N merkhakefulahebrew |
| N magujarati | N merkhakefulalefthebrew |
| N magurmukhi | N merkhalefthebrew |
| N mahapakhhebrew | N mhook |
| N mahapakhlefthebrew | N mhzsquare |
| N mahiragana | N middledotkatakanahalfwidth |
| N maichattawathai | N middot |
| N maiekthai | N mieumacirclekorean |
| N maihanakatthai | N mieumaparenkorean |
| N maitaikhuthai | N mieumcirclekorean |
| N maithothai | N mieumkorean |
| N maitrithai | N mieumpansioskorean |
| N maiyamokthai | N mieumparenkorean |
| N makatakana | N mieumpieupkorean |

| | |
|-----------------------|-----------------------|
| 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 mohiragana | N nagujarati |
| N mohmsquare | N nagurmukhi |
| N mokatakana | N nahiragana |
| N mokatakanahalfwidth | N nakatakana |
| N molsquare | N nakatakanahalfwidth |
| N momathai | N napostrophe |
| N moverssquare | N nasquare |
| N moverssquaredsquare | N nbopomofo |
| N mparen | N nbspace |
| N mpasquare | N ncaron |
| N mssquare | N ncedilla |
| N mturned | N ncircle |
| N mu | N ncircumflexbelow |
| N mul | N ncommaaccent |
| N muasquare | N ndotaccent |
| N muchgreater | N ndotbelow |
| N muchless | N nehiragana |
| N mufsquare | N nekatakana |
| N mugreek | N nekatakanahalfwidth |
| N mugsquare | N newsheqelsign |
| N muhiragana | N nfsquare |
| N mukatakana | N ngabengali |
| N mukatakanahalfwidth | N ngadeva |
| N mulsquare | N ngagujarati |
| N multiply | N ngagurmukhi |
| N mumsquare | N ngonguthai |
| N munahhebrew | N nhiragana |

| | |
|------------------------------|--------------------------|
| N nhookleft | N nmonospace |
| N nhookretroflex | N nmssquare |
| N nieunacirclekorean | N nnabengali |
| N nieunaparenkorean | N nnadeva |
| N nieuncieuckorean | N nnagujarati |
| N nieuncirclekorean | N nnagurmukhi |
| N nieunhieuhkorean | N nnnadeva |
| N nieunkorean | N nohiragana |
| N nieunpansioskorean | N nokatakana |
| N nieunparenkorean | N nokatakanahalfwidth |
| N nieunsioskorean | N nonbreakingspace |
| N nieuntikeutkorean | N nonenthai |
| N nihiragana | N nonuthai |
| N nikatakana | N noonarabic |
| N nikatakanahalfwidth | N noonfinalarabic |
| N nikhahitthai | N noonghunnaarabic |
| N nine | N noonghunnafinalarabic |
| N ninearabic | N noonhehinitialarabic |
| N ninebengali | N nooninitialarabic |
| N ninecircle | N noonjeeminitialarabic |
| N ninecircleinversesansserif | N noonjeemisolatedarabic |
| N ninedeva | N noonmedialarabic |
| N ninegujarati | N noonmeeminitialarabic |
| N ninegurmukhi | N noonmeemisolatedarabic |
| N ninehackarabic | N noonnoonfinalarabic |
| N ninehangzhou | N notcontains |
| N nineideographicparen | N notelement |
| N nineinferior | N notelementof |
| N ninemonospace | N notequal |
| N nineparen | N notgreater |
| N nineperiod | N notgreaternorequal |
| N ninepersian | N notgreaternorless |
| N nineroman | N notidentical |
| N ninesuperior | N notless |
| N nineteencircle | N notlessnorequal |
| N nineteenparen | N notparallel |
| N nineteenperiod | N notprecedes |
| N ninethai | N notsubset |
| N nj | N notsucceeds |
| N njecyrillic | N notsuperset |
| N nkatakana | N nowarmenian |
| N nkatakanahalfwidth | N nparen |
| N nlegrightlong | N nssquare |
| N nlinebelow | N nsuperior |

| | |
|----------------------------|------------------------|
| N ntilde | N ocircumflexhookabove |
| N nu | N ocircumflextilde |
| N nuhiragana | N ocyrillic |
| N nukatakana | N odblacute |
| N nukatakanahalfwidth | N odblgrave |
| N nuktabengali | N odeva |
| N nuktadeva | N odieresis |
| N nuktagujarati | N odieresiscyrillic |
| N nuktagurmukhi | N odotbelow |
| N numbersign | N oe |
| N numbersignmonospace | N oekorean |
| N numbersignsmall | N ogonek |
| N numeralsigngreek | N ogonekcmb |
| N numeralsignlowergreek | N ograve |
| N numero | N ogujarati |
| N nun | N oharmenian |
| N nundagesh | N ohiragana |
| N nundageshhebrew | N ohookabove |
| N nunhebrew | N ohorn |
| N nvsquare | N ohornacute |
| N nwsquare | N ohorndotbelow |
| N nyabengali | N ohorngrave |
| N nyadeva | N ohornhookabove |
| N nyagujarati | N ohorntilde |
| N nyagurmukhi | N ohungarumlaut |
| N o | N oi |
| N oacute | N oinvertedbreve |
| N oangthai | N okatakana |
| N obarred | N okatakanahalfwidth |
| N obarredcyrillic | N okorean |
| N obarreddieresiscyrillic | N olehebrew |
| N obengali | N omacron |
| N obopomofo | N omacronacute |
| N obreve | N omacrongrave |
| N ocandradeva | N omdeva |
| N ocandragujarati | N omega |
| N ocandravowelsigndeva | N omegal |
| N ocandravowelsigngujarati | N omegacyrillic |
| N ocaron | N omegalatinclosed |
| N ocircle | N omegaroundcyrillic |
| N ocircumflex | N omegatitlocyrillic |
| N ocircumflexacute | N omegatonos |
| N ocircumflexdotbelow | N omgujarati |
| N ocircumflexgrave | N omicron |

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|---------------------------------|-------------------------------|
| N omicron-tonos | N osmall-katakana-halfwidth |
| N omonospace | N ostrokeacute |
| N one | N otcyrillic |
| N one-arabic | N otilde |
| N one-bengali | N otildeacute |
| N one-circle | N otildedieresis |
| N one-circle-inverse-sans-serif | N oubopomofo |
| N one-deva | N overline |
| N one-doten-leader | N overline-centerline |
| N one-eighth | N overline-cmb |
| N one-gujarati | N overline-dashed |
| N one-gurmukhi | N overline-dblwavy |
| N one-hack-arabic | N overline-wavy |
| N one-half | N overscore |
| N one-hangzhou | N ovowel-sign-bengali |
| N one-ideographic-paren | N ovowel-sign-deva |
| N one-inferior | N ovowel-sign-gujarati |
| N one-monospace | N p |
| N one-numerator-bengali | N paamp-square |
| N one-paren | N pa-sent-square |
| N one-period | N p-bengali |
| N one-persian | N p-acute |
| N one-quarter | N p-deva |
| N one-roman | N pagedown |
| N one-superior | N pageup |
| N one-thai | N p-gujarati |
| N one-third | N p-gurmukhi |
| N oogonek | N p-hiragana |
| N oogonek-macron | N paiyannoithai |
| N oogurmukhi | N p-katakana |
| N ooma-tragurmukhi | N palatalization-cyrillic-cmb |
| N oopen | N palochkacyrillic |
| N oparen | N pansio-korean |
| N openbullet | N paragraph |
| N option | N parallel |
| N ord-feminine | N parenleft |
| N ord-masculine | N parenleft-alt-tone-arabic |
| N orthogonal | N parenleft-inferior |
| N oshortdeva | N parenleft-monospace |
| N oshortvowel-sign-deva | N parenleft-small |
| N oslash | N parenleft-superior |
| N oslashacute | N parenleft-vertical |
| N osmallhiragana | N parenright |
| N osmallkatakana | N parenright-alt-tone-arabic |

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|------------------------|-------------------------|
| 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 pazerhebrew | N phieuphkorean |
| N pbopomofo | N phieuphparenkorean |
| N pcircle | N philatin |
| N pdotaccent | N phinthuthai |
| N pe | N phisymbolgreek |
| N pecyrillic | N phook |
| N pedagesh | N phophanthai |
| N pedageshhebrew | N phophungthai |
| N peezisquare | N phosamphaothai |
| N pefinaldageshhebrew | N pi |
| N peharabic | N pieupacirclekorean |
| N peharmenian | N pieupaparenkorean |
| N pehebrew | N pieupcieuckorean |
| N pehfinalarabic | N pieupcirclekorean |
| N pehinitialarabic | N pieupkiyeokkorean |
| N pehiragana | N pieupkorean |
| N pehmedialarabic | N pieupparenkorean |
| N pekatakana | N pieupsioskiyeokkorean |
| N pemiddlehookcyrillic | N pieupsioskorean |
| N perafehebrew | N pieupsiostikeutkorean |
| N percent | N pieupthieuthkorean |
| N percentarabic | N pieuptikeutkorean |
| N percentmonospace | N pihiragana |
| N percentsmall | N pikatakana |
| N period | N pisymbolgreek |
| N periodarmenian | N piwrarmenian |
| N periodcentered | N plus |

| | |
|----------------------------|----------------------------|
| N plusbelowcmb | N qafinitialarabic |
| N pluscircle | N qafmedialarabic |
| N plusminus | N qamats |
| N plusmod | N qamats10 |
| N plusmonospace | N qamats1a |
| N plussmall | N qamats1c |
| N plussuperior | N qamats27 |
| N pmonospace | N qamats29 |
| N pmsquare | N qamats33 |
| N pohiragana | N qamatsde |
| N pointingindexdownwhite | N qamatshebrew |
| N pointingindexleftwhite | N qamatsnarrowhebrew |
| N pointingindexrightwhite | N qamatsqatanhebrew |
| N pointingindexupwhite | N qamatsqatanarrowhebrew |
| N pokatakana | N qamatsqatanquarterhebrew |
| N poplathai | N qamatsqatanwidehebrew |
| N postalmark | N qamatsquarterhebrew |
| N postalmarkface | N qamatswidehebrew |
| N pparen | N qarneyparahebrew |
| N precedes | N qbopomofo |
| N prescription | N qcircle |
| N primemod | N qhook |
| N primereversed | N qmonospace |
| N product | N qof |
| N projective | N qofdagesh |
| N prolongedkana | N qofdageshhebrew |
| N propellor | N qofhatafpatah |
| N propersubset | N qofhatafpatahhebrew |
| N propersuperset | N qofhatafsegol |
| N proportion | N qofhatafsegolhebrew |
| N proportional | N qofhebrew |
| N psi | N qofhiriq |
| N psicyrillic | N qofhiriqhebrew |
| N psilipneumatacyrilliccmb | N qofholam |
| N pssquare | N qofholamhebrew |
| N puhiragana | N qofpatah |
| N pukatakana | N qofpatahhebrew |
| N pvsquare | N qofqamats |
| N pwsquare | N qofqamatshebrew |
| N q | N qofqubuts |
| N qadeva | N qofqubutshebrew |
| N qadmahebrew | N qofsegol |
| N qafarabic | N qofsegolhebrew |
| N qaffinalarabic | N qofsheva |

| | |
|--------------------------|---------------------------|
| N 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 |
| N questiongreek | N rdotbelow |
| N questionmonospace | N rdotbelowmacron |
| N quotedbl | N referencemark |
| N quotedblbase | N reflexsubset |
| N quotedblleft | N reflexsuperset |
| N quotedblmonospace | N registered |
| N quotedblprime | N reharabic |
| N quotedblprimereversed | N reharmenian |
| N quotedblright | N rehfinalarabic |
| N quoteleft | N rehiragana |
| N quoteleftreversed | N rehyehaleflamarabic |
| N quotereversed | N rekatakana |
| N quoteright | N rekatakanahalfwidth |
| N quoterightn | N resh |
| N quotesinglbase | N reshdageshhebrew |
| N quotesingle | N reshhatafpatah |
| N quotesinglemonospace | N reshhatafpatahhebrew |
| N r | N reshhatafsegol |
| N raarmenian | N reshhatafsegolhebrew |
| N rabengali | N reshhebrew |
| N racute | N reshhiriq |
| N radeva | N reshhiriqhebrew |
| N radical | N reshholam |
| N radoversssquare | N reshholamhebrew |
| N radoversssquaredsquare | N reshpatah |
| N radsquare | N reshpatahhebrew |
| N rafe | N reshqamats |

| | |
|--------------------------|------------------------------|
| 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 rho | N rmonospace |
| N rhook | N rohiragana |
| N rhookturned | N rokatakana |
| N rhookturnedsuperior | N rokatakanahalfwidth |
| N rhesymbolgreek | N roruathai |
| N rhotichookmod | N rparen |
| N rieulacirclekorean | N rrabengali |
| N rieulaparenkorean | N rradeva |
| N rieulcirclekorean | N rragurmukhi |
| N rieulhieuhkorean | N rreharabic |
| N rieulkiyeokkorean | N rrehfinalarabic |
| N rieulkiyeoksioskorean | N rrvocalicbengali |
| N rieulkorean | N rrvocalicdeva |
| N rieulmieumkorean | N rrvocalicgujarati |
| N rieulpansioskorean | N rrvocalicvowelsignbengali |
| N rieulparenkorean | N rrvocalicvowelsigndeva |
| N rieulphieuphkorean | N rrvocalicvowelsigngujarati |
| N rieulpieupkorean | N rtblock |
| N rieulpieupsioskorean | N rturned |
| N rieulsioskorean | N rturnedsuperior |
| N rieulthieuthkorean | N ruhiragana |
| N rieultikeutkorean | N rukatakana |
| N rieulyeorinhieuhkorean | N rukatakanahalfwidth |
| N rightangle | N rupeemarkbengali |
| N righttackbelowcmb | N rupeesignbengali |
| N righttriangle | N ruthai |
| N rhiragana | N rvocalicbengali |

N rvocalicdeva
 N rvocalicgujarati
 N rvocalicvowelsignbengali
 N rvocalicvowelsigndeva
 N rvocalicvowelsigngujarati
 N s
 N sabengali
 N sacute
 N sacutedotaccent
 N sadarabic
 N sadeva
 N sadfinalarabic
 N sadinitialarabic
 N sadmedialarabic
 N sagujarati
 N sagurmukhi
 N sahiragana
 N sakatakana
 N sakatakanahalfwidth
 N sallallahoualayhewasallamarabic
 N samekh
 N samekhdagesh
 N samekhdageshhebrew
 N samekhhebrew
 N saraaathai
 N saraaethai
 N saraaimaimalaithai
 N saraaimaimuanthai
 N saraamthai
 N saraathai
 N saraethai
 N saraiithai
 N saraithai
 N saraothai
 N saraueethai
 N sarauethai
 N sarauthai
 N sarauuthai
 N sbopomofo
 N scaron
 N scarondotaccent
 N scedilla
 N schwa
 N schwacyrillic

N schwadiesiscyrillic
 N schwahook
 N scircle
 N scircumflex
 N scommaaccent
 N sdotaccent
 N sdotbelow
 N sdotbelowdotaccent
 N seagullbelowcmb
 N second
 N secondtonechinese
 N section
 N seenarabic
 N seenfinalarabic
 N seeninitialarabic
 N seenmedialarabic
 N segol
 N segol13
 N segol1f
 N segol2c
 N segolhebrew
 N segolnarrowhebrew
 N segolquarterhebrew
 N segoltahebrew
 N segolwidehebrew
 N seharmerian
 N shiragana
 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 sevensgujarati | N sheva |
| N sevensgurmukhi | N sheva115 |
| N sevenhackarabic | N sheva15 |
| N sevenhangzhou | N sheva22 |
| N sevenideographicparen | N sheva2e |
| N seveninferior | N shevahebrew |
| N sevenmonospace | N shevanarrowhebrew |
| N sevenparen | N shevaquarterhebrew |
| N sevenperiod | N shevawidehebrew |
| N sevenpersian | N shhacyrillic |
| N sevenroman | N shimacoptic |
| N sevensuperior | N shin |
| N seventeencircle | N shindagesh |
| N seventeenparen | N shindageshhebrew |
| N seventeenperiod | N shindageshshindot |
| N seventhai | N shindageshshindothebrew |
| N sfthyphen | N shindageshsindot |
| N shaarmenian | N shindageshsindothebrew |
| N shabengali | N shindothebrew |
| N shacyrillic | N shinhebrew |
| N shaddaarabic | N shinshindot |
| N shaddadammaarabic | N shinshindothebrew |
| N shaddadammatanarabic | N shinsindot |
| N shaddafathaarabic | N shinsindothebrew |
| N shaddafathatanarabic | N shook |
| N shaddakasraarabic | N sigma |
| N shaddakasratanarabic | N sigmal |
| N shade | N sigmafinal |
| N shadedark | N sigmalunatesymbolgreek |
| N shadelight | N sihiragana |
| N shademedium | N sikatakana |
| N shadeva | N sikatakanahalfwidth |
| N shagujarati | N siluqhebrew |
| N shagurmukhi | N siluqlfthebrew |
| N shalshethebrew | N similar |
| N shbopomofo | N sindothebrew |
| N shchacyrillic | N siosacirclekorean |
| N sheenarabic | N siosaparenkorean |
| N sheenfinalarabic | N sioscieuckorean |
| N sheeninitialarabic | N sioscirclekorean |
| N sheenmedialarabic | N sioskiyeokkorean |
| N sheicoptic | N sioskorean |
| N sheqel | N siosnieunkorean |
| N sheqelhebrew | N siosparenkorean |

| | |
|-------------------------------------|-----------------------------------|
| 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 |
| N sixpersian | N squaremm |
| N sixroman | N squaremsquared |
| N sixsuperior | N squareorthogonalcrosshatchfill |
| N sixteencircle | N squareupperlefttolowerrightfill |
| N sixteencurrencydenominatorbengali | N squareupperrighttolowerleftfill |
| N sixteenparen | N squareverticalfill |
| N sixteenperiod | N squarewhitewithsmallblack |
| N sixthai | N srsquare |
| N slash | N ssabengali |
| N slashmonospace | N ssadeva |
| N slong | N ssagujarati |
| N slongdotaccent | N ssangcieuckorean |
| N smileface | N ssanghieuhkorean |
| N smonospace | N ssangieungkorean |
| N sofpassuqhebrew | N ssangkiyeokkorean |
| N softthyphen | N ssangnieunkorean |
| N softsigncyrillic | N ssangpieupkorean |
| N sohiragana | N ssangsioskorean |
| N sokatakana | N ssangtikeutkorean |
| N sokatakanahalfwidth | N sterling |
| N soliduslongoverlaycmb | N sterlingmonospace |
| N solidusshortoverlaycmb | N strokelongoverlaycmb |
| N sorusithai | N strokeshortoverlaycmb |
| N sosalathai | N subset |
| N sosothai | N subsetnotequal |
| N sosuathai | N subsetorequal |
| N space | N succeeds |

| | |
|--------------------------|-------------------------|
| N suchthat | N tcircle |
| N suhiragana | N tccircumflexbelow |
| N sukatakana | N tcommaaccent |
| N sukatakanahalfwidth | N tdieresis |
| N sukunarabic | N tdotaccent |
| N summation | N tdotbelow |
| N sun | N tecyrillic |
| N superset | N tedescendercyrillic |
| N supersetnotequal | N teharabic |
| N supersetorequal | N tehfinalarabic |
| N svsquare | N tehahinitialarabic |
| N syowwaerasquare | N tehahisolatedarabic |
| N t | N tehinitialarabic |
| N tabengali | N tehiragana |
| N tackdown | N tehjeeminitialarabic |
| N tackleft | N tehjeemisolatedarabic |
| N tadeva | N tehmarbutaarabic |
| N tagujarati | N tehmarbutafinalarabic |
| N tagurmukhi | N tehmedialarabic |
| N taharabic | N tehmeeminitialarabic |
| N tahfinalarabic | N tehmeemisolatedarabic |
| N tahinitialarabic | N tehnoonfinalarabic |
| N tahiragana | N tekatakana |
| N tahmedialarabic | N tekatakanahalfwidth |
| N taisyouerasquare | N telephone |
| N takatakana | N telephoneblack |
| N takatakanahalfwidth | N telishagedolahebrew |
| N tatweelarabic | N telishaqetanahebrew |
| N tau | N tencircle |
| N tav | N tenideographicparen |
| N tavgages | N tenparen |
| N tavgagesh | N tenperiod |
| N tavgageshhebrew | N tenroman |
| N tavhebrew | N tesh |
| N tbar | N tet |
| N tbopomofo | N tetdagesh |
| N tcaron | N tetdageshhebrew |
| N tccurl | N tethebrew |
| N tcedilla | N tetsecyrillic |
| N tcheharabic | N tevirhebrew |
| N tchehfinalarabic | N tevirlefthebrew |
| N tchehinitialarabic | N thabengali |
| N tchehmedialarabic | N thadeva |
| N tchehmeeminitialarabic | N thagujarati |

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|-------------------------------|-------------------------|
| N thagurmukhi | N threeinferior |
| N thalarabic | N threemonospace |
| N thalfinalarabic | N threenumeratorbengali |
| N thanthakhatthai | N threeparen |
| N theharabic | N threepersian |
| N thefinalarabic | N threepersian |
| N theinitialarabic | N threepersian |
| N themedialarabic | N threepersian |
| N thereexists | N threesuperior |
| N therefore | N threethai |
| N theta | N thzsquare |
| N thetal | N tihiragana |
| N thetasymbolgreek | N tikatakana |
| N thieuthacirclekorean | N tikatakanahalfwidth |
| N thieuthaparenkorean | N tikeutacirclekorean |
| N thieuthcirclekorean | N tikeutaparenkorean |
| N thieuthkorean | N tikeutcirclekorean |
| N thieuthparenkorean | N tikeutkorean |
| N thirteencircle | N tikeutparenkorean |
| N thirteenparen | N tilde |
| N thirteenperiod | N tildebelowcmb |
| N thonangmonthothai | N tildecmb |
| N thook | N tildecomb |
| N thophuthaothai | N tildedoublecmb |
| N thorn | N tildeoperator |
| N thothahanthai | N tildeoverlaycmb |
| N thothanthai | N tildeverticalcmb |
| N thothongthai | N timescircle |
| N thothungthai | N tipehahebrew |
| N thousandcyrillic | N tipehalefthebrew |
| N thousandsseparatorarabic | N tippigurmukhi |
| N thousandsseparatorpersian | N titlocyrilliccmb |
| N three | N tiwnarmenian |
| N threearabic | N tlinebelow |
| N threebengali | N tmonospace |
| N threecircle | N toarmenian |
| N threecircleinversesansserif | N tohiragana |
| N threedeva | N tokatakana |
| N threeeighths | N tokatakanahalfwidth |
| N threegujarati | N tonebarextrahighmod |
| N threegurmukhi | N tonebarextralowmod |
| N threehackarabic | N tonebarhighmod |
| N threehangzhou | N tonebarlowmod |
| N threeideographicparen | N tonebarmidmod |

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|-------------------------------------|-----------------------------|
| N tonefive | N tthabengali |
| N tonesix | N tthadeva |
| N tonetwo | N tthagujarati |
| N tonos | N tthagurmukhi |
| N tonsquare | N tturned |
| N topatakthai | N tuhiragana |
| N tortoiseshellbracketleft | N tukatakana |
| N tortoiseshellbracketleftsmall | N tukatakanahalfwidth |
| N tortoiseshellbracketleftvertical | N tusmallhiragana |
| N tortoiseshellbracketright | N tusmallkatakana |
| N tortoiseshellbracketrightsmall | N tusmallkatakanahalfwidth |
| N tortoiseshellbracketrightvertical | N twelvecircle |
| N totaotthai | N twelveparen |
| N tpalatalhook | N twelveperiod |
| N tparen | N twelveroman |
| N trademark | N twentycircle |
| N retroflexhook | N twentyparen |
| N triagdn | N twentyperiod |
| N triaglf | N two |
| N triagrt | N twoarabic |
| N triagup | N twobengali |
| N ts | N twocircle |
| N tsadi | N twocircleinversesansserif |
| N tsadidagesh | N twodeva |
| N tsadidageshhebrew | N twodotenleader |
| N tsadihebrew | N twodotleader |
| N tsecyrillic | N twodotleadervERTICAL |
| N tsere | N twogujarati |
| N tsere12 | N twogurmukhi |
| N tsere1e | N twohackarabic |
| N tsere2b | N twohangzhou |
| N tserehebrew | N twoideographicparen |
| N tserenarrowhebrew | N twoinferior |
| N tserequarterhebrew | N twomonospace |
| N tserewidehebrew | N twonumeratorbengali |
| N tshecyrillic | N twoparen |
| N ttabengali | N twoperiod |
| N ttadeva | N twopersian |
| N ttagujarati | N tworoman |
| N ttagurmukhi | N twostroke |
| N tteharabic | N twosuperior |
| N ttehfinalearabic | N twothai |
| N ttehintialarabic | N twothirds |
| N ttehmedialarabic | N u |

| | |
|--------------------------|----------------------------|
| N uacute | N umonospace |
| N ubar | N underscore |
| N ubengali | N underscoredbl |
| N ubopomofo | N underscoremonospace |
| N ubreve | N underscorevertical |
| N ucaron | N underscorewavy |
| N ucircle | N union |
| N ucircumflex | N universal |
| N ucircumflexbelow | N uogonek |
| N ucyrillic | N uparen |
| N udattadeva | N upblock |
| N udblacute | N upperdothebrew |
| N udblgrave | N upsilon |
| N udeva | N upsilondieresis |
| N udieresis | N upsilondieresis-tonos |
| N udieresisacute | N upsilonlatin |
| N udieresisbelow | N upsilon-tonos |
| N udieresiscaron | N uptackbelowcmb |
| N udieresis-cyrillic | N uptackmod |
| N udieresisgrave | N uragurmukhi |
| N udieresismacron | N uring |
| N udotbelow | N ushortcyrillic |
| N ugrave | N usmallhiragana |
| N ugujarati | N usmallkatakana |
| N ugurmukhi | N usmallkatakana-halfwidth |
| N uhiragana | N ustraightcyrillic |
| N uhookabove | N ustraightstrokecyrillic |
| N uhorn | N tilde |
| N uhornacute | N tildeacute |
| N uhorndotbelow | N tildebelow |
| N uhorngrave | N uubengali |
| N uhornhookabove | N uudeva |
| N uhorntilde | N uugujarati |
| N uhungarumlaut | N uugurmukhi |
| N uhungarumlaut-cyrillic | N uumatragurmukhi |
| N uinvertedbreve | N uuvowelsignbengali |
| N ukatakana | N uuvowelsigndeva |
| N ukatakanahalfwidth | N uuvowelsigngujarati |
| N ukcyrillic | N uvowelsignbengali |
| N ukorean | N uvowelsigndeva |
| N umacron | N uvowelsigngujarati |
| N umacron-cyrillic | N v |
| N umacron-dieresis | N vadeva |
| N umatragurmukhi | N vagujarati |

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

| | |
|-----------------------------------|------------------------------|
| N whitelenticularbracketright | N yagujarati |
| N whiterightpointingsmalltriangle | N yagurmukhi |
| N whiterightpointingtriangle | N yahiragana |
| N whitesmallsquare | N yakatakana |
| N whitesmilingface | N yakatakanahalfwidth |
| N whitesquare | N yakorean |
| N whitestar | N yamakkanthai |
| N whitetelephone | N yasmallhiragana |
| N whitetortoiseshellbracketleft | N yasmallkatakana |
| N whitetortoiseshellbracketright | N yasmallkatakanahalfwidth |
| N whiteuppointingsmalltriangle | N yatcyrillic |
| N whiteuppointingtriangle | N ycircle |
| N wihiragana | N ycircumflex |
| N wikatakana | N ydieresis |
| N wikorean | N ydotaccent |
| N wmonospace | N ydotbelow |
| N wohiragana | N yeharabic |
| N wokatakana | N yehbarreearabic |
| N wokatakanahalfwidth | N yehbarreefinalarabic |
| N won | N yehfinalarabic |
| N wonmonospace | N yehhamzaabovearabic |
| N wowaenthai | N yehhamzaabovefinalarabic |
| N wparen | N yehhamzaaboveinitialarabic |
| N wring | N yehhamzaabovemedialarabic |
| N wsuperior | N yehinitialarabic |
| N wturned | N yehmedialarabic |
| N wynn | N yehmeeminitialarabic |
| N x | N yehmeemisolatedarabic |
| N xabovecmb | N yehnoonfinalarabic |
| N xbopomofo | N yethreedotsbelowarabic |
| N xcircle | N yekorean |
| N xdieresis | N yen |
| N xdotaccent | N yenmonospace |
| N xeharmenian | N yeokorean |
| N xi | N yeorinhieuhkorean |
| N xmonospace | N yerahbenyomohebrew |
| N xparen | N yerahbenyomolefthebrew |
| N xsuperior | N yericyrillic |
| N y | N yerudieresiscyrillic |
| N yaadosquare | N yesieungkorean |
| N yabengali | N yesieungpansioskorean |
| N yacute | N yesieungsioskorean |
| N yadeva | N yetivhebrew |
| N yaekorean | N ygrave |

| | |
|-----------------------------|----------------------------|
| N yhook | N yusmallhiragana |
| N yhookabove | N yusmallkatakana |
| N yiarmenian | N yusmallkatakanahalfwidth |
| N yicyrillic | N yuyekorean |
| N yikorean | N yuyeokorean |
| N yinyang | N yyabengali |
| N yiwnarmenian | N yyadeva |
| N ymonospace | N z |
| N yod | N zaarmenian |
| N yoddagesh | N zacute |
| N yoddageshhebrew | N zadeva |
| N yodhebrew | N zagurmukhi |
| N yodyodhebrew | N zaharabic |
| N yodyodpatahhebrew | N zahfinalarabic |
| N yohiragana | N zahinitialarabic |
| N yoikorean | N zahiragana |
| N yokatakana | N zahmedialarabic |
| N yokatakanahalfwidth | N zainarabic |
| N yokorean | N zainfinalarabic |
| N yosmallhiragana | N zakatakana |
| N yosmallkatakana | N zaqefgdolhebrew |
| N yosmallkatakanahalfwidth | N zaqefqatanhebrew |
| N yotgreek | N zarqahebrew |
| N yoyaekorean | N zayin |
| N yoyakorean | N zayindagesh |
| N yoyakthai | N zayindageshhebrew |
| N yoyingthai | N zayinhebrew |
| N yparen | N zbopomofo |
| N ypogegrammeni | N zcaron |
| N ypogegrammenigreekcmb | N zcircle |
| N yr | N zcircumflex |
| N yring | N zcurl |
| N ysuperior | N zdot |
| N ytilde | N zdotaccent |
| N yturned | N zdotbelow |
| N yuhiragana | N zecyrillic |
| N yuikorean | N zedescendercyrillic |
| N yukatakana | N zedieresiscyrillic |
| N yukatakanahalfwidth | N zehiragana |
| N yukorean | N zekatakana |
| N yusbigcyrillic | N zero |
| N yusbigiotifiedcyrillic | N zeroarabic |
| N yuslittlecyrillic | N zerobengali |
| N yuslittleiotifiedcyrillic | N zerodeva |

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| N zerogujarati | | F type1 | |
| N zerogurmukhi | | T multiple | |
| N zerohackarabic | | F opentype | |
| N zeroinferior | | T substitution | |
| N zeromonospace | | F opentype | |
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| N zerosuperior | | D colorschemes | |
| N zerothai | | T data | |
| N zerowidthjoiner | | T dejavu-math | |
| N zerowidthnonjoiner | | S author | |
| N zerowidthspace | | S comment | |
| N zeta | | S copyright | |
| N zhbopomofo | | B initialized | |
| N zhearmenian | | T mathematics | |
| N zhebrevecyrillic | | T alternates | |
| N zhecyrillic | | T dotless | |
| N zhedescendercyrillic | | S comment | |
| N zhedieresiscyrillic | | S feature | |
| N zhiragana | | N value | |
| N zikatakana | | T kerns | |
| N zinorhebrew | | S name | |
| N zlinebelow | | S version | |
| N zmonospace | | D designsizes | |
| N zohiragana | | D filenames | |
| N zokatakana | | F getcompositions | |
| N zparen | | T list | |
| N zretroflexhook | | F load | |
| N zstroke | | F prepare_features | |
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| T kern | | D identifiers | |
| F opentype | | | |

- D italics
- D lastmathids
- D marks
- D modes
- D originals
- D parameters
- T processes
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- F dimenfactor
- F expandglyph
- F fontpatternhassize
- F getcoloredglyphs
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- F getparameters
- F getprivatecharornode
- F getprivatenode
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- F hasprivate
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- F name
- F nametoslot
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- F characters
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- F add_placeholders
- D category_to_placeholder
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- F addtounicode
- F fromunicode16
- F loadfile
- F loadline
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- T overloads
- T IJ
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- T f_f
- N mess
- S name
- T unicode
- T f_f_i
- N mess
- S name
- T unicode
- T f_f_l
- N mess
- S name
- T unicode
- T f_i
- N mess
- S name
- T unicode
- T f_j
- S name
- T unicode
- T f_k
- S name
- T unicode
- T f_l
- N mess
- S name

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| T unicode | | D data | |
| T i_j | | F default | |
| N mess | | D defaults | |
| S name | | F definefallbackfamily | |
| T unicode | | F definefontfamily | |
| F reset | | F definefontfamilypreset | |
| F tounicode | | D extras | |
| F tounicode16 | | F fallback | |
| F tounicode16sequence | | D fallbacks | |
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| F boundingbox | | F filefallback | |
| F boxtomp | | F fontdata | |
| F draw | | F fontfallback | |
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| F maxbounds | | F goodies | |
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| F check_lua | | D contextmerged | |
| F check_tfm | | F contextnumber | |
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| F ofm | | D contextsetups | |
| F opentype | | F contexttostring | |
| F otf | | F definecontext | |
| F pfb | | F mergecontext | |
| D sequence | | F presetcontext | |
| F tfm | | F registercontext | |
| F ttc | | F showcontext | |
| F ttf | | F splitcontext | |
| F woff | | D synonyms | |
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F point

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

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F setpreamble

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F storepreamble

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F setupcanvas

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F setclosepage

F setopendocument

F setopenpage

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

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| F autose setups | F bt xhandlenocite |
| F autostarttext | F bt xlastofrange |
| F autostoptext | F bt xlistvariant |
| F averagecharwidth | F bt xloaddefinitionfile |
| F bitmapimage | F bt xloadjournallist |
| F blockcolumnset | F bt xloadreplacementfile |
| F blockligatures | F bt xoneorrange |
| F boxtostring | F bt xpreparelistentries |
| F bposcolumn | F bt xremapauthor |
| F bposcolumnregistered | F bt xsavedataset |
| F bt xabbreviatedjournal | F bt xsavejournallist |
| F bt xaddentry | F bt xsetdataset |
| F bt xaddjournal | F bt xsetentry |
| F bt xauthor | F bt xsetregister |
| F bt xauthorfield | F bt xsetspecification |
| F bt xauthorortoregister | F bt xsingularorplural |
| F bt xcollectlistentries | F bt xtoregister |
| F bt xcurrentfirstnames | F bt xusedataset |
| F bt xcurrentinitials | F bt xuservariable |
| F bt xcurrentjuniors | F buildtextaccent |
| F bt xcurrentsurnames | F character |
| F bt xcurrentvons | F characters |
| F bt xdetail | F chardescription |
| F bt xdirect | F checkcolumnset |
| F bt xdoif | F checkcountersetup |
| F bt xdoifelse | F checkedconversion |
| F bt xdoifelsecombiinlist | F checkedpagefloat |
| F bt xdoifelsesameasprevious | F checkinjector |
| F bt xdoifelseuservariable | F checkinterfacechain |
| F bt xdoifnot | F checktwopassdata |
| F bt xexpandedjournal | F chemicalcomponent |
| F bt xfetchlistentries | F chinesenumerals |
| F bt xfield | F cleanfontname |
| F bt xfieldname | F cleanupbox |
| F bt xfieldtype | F cleanuplayers |
| F bt xfirstofrange | F clonefield |
| F bt xflush | F collectfloat |
| F bt xflushlistcombi | F collecthelp |
| F bt xflushlistentry | F colorcomponents |
| F bt xflushmarked | F columnsetcurrentcolumn |
| F bt xflushpages | F columnsetgoto |
| F bt xfoundname | F columnsetnoto |
| F bt xfoundtype | F concatcommalist |
| F bt xhandlecite | F consultfloat |

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

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| F disablejobsave | F doifelsepathexist |
| F disableparbuilder | F doifelseposition |
| F disableregime | F doifelsepositiononpage |
| F disablespellchecking | F doifelsepositionsonsamepage |
| F disablestatetriggering | F doifelsepositionsonthispage |
| F disablestream | F doifelsepositionsused |
| F disabletrackers | F doifelserangeonpage |
| F discardfromlist | F doifelsereference |
| F doanalyzeframedbox | F doifelserighttttoleftinbox |
| F doifcommon | F doifelsesame |
| F doifcounter | F doifelsestackedfloats |
| F doifelseblack | F doifelsesynonymshown |
| F doifelseboxincache | F doifelsesynonymused |
| F doifelsebuffer | F doifelseurldefined |
| F doifelsecharinfont | F doifelseutfmathabove |
| F doifelsecommon | F doifelseutfmathaccent |
| F doifelsecontinewithfile | F doifelseutfmathbelow |
| F doifelseconverter | F doifelseutfmathfiller |
| F doifelsecounter | F doifelsevisualizer |
| F doifelsecurrentfonthasfeature | F doiffielddsetelse |
| F doifelsedrawingblack | F doifinset |
| F doifelsefieldcategory | F doifnotcommon |
| F doifelsefiledefined | F doifnotcounter |
| F doifelsefileexist | F doifnotecontent |
| F doifelsefirstchar | F doifnoteonsamepageasprevious |
| F doifelsefontpresent | F doifnotinset |
| F doifelseinelement | F doifnotsame |
| F doifelseinputfile | F doifposition |
| F doifelseinset | F doifsame |
| F doifelseintwopassdata | F doprocesstypescriptfile |
| F doifelseleapyear | F doreshapeframedbox |
| F doifselisthasentry | F dosaveposition |
| F doifselisthasnumber | F dosavepositionplus |
| F doifselisthaspage | F dosavepositionwhd |
| F doifselisthasitle | F dosetposition |
| F doifselocfile | F dosetpositionbox |
| F doifelsemarking | F dosetpositionplus |
| F doifelsemessage | F dosetpositionstrut |
| F doifelseobject | F dosetpositionstrutkind |
| F doifelseobjectreference | F dosetpositionwhd |
| F doifelseolderversion | F dostarttextfile |
| F doifelseoverlapping | F dostoptextfile |
| F doifelseparallel | F elapsedtime |
| F doifelseparentfile | F enableasciimode |

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

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

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

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

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| F presettabulate | F registerbuttons |
| F previouscountervalue | F registercolorintent |
| F previoussubcountervalue | F registercolumnsetarea |
| F processbodyfontsizes | F registeredviewerlayer |
| F processbuffer | F registerfigurepattern |
| F processcolorcomponents | F registerfiguresuffix |
| F processedfile | F registerfontalternative |
| F processedfiles | F registerfontfamily |
| F processfile | F registerhelp |
| F processfilemany | F registerhyphenationexception |
| F processfilenone | F registerhyphenationpattern |
| F processfileonce | F registeritemgroup |
| F processjob | F registerlanguagefeatures |
| F processlist | F registerlinenumbering |
| F processregister | F registermaintextcolor |
| F processsplit | F registermpyfile |
| F processsynonyms | F registernamedlua |
| F profilebox | F registernamespace |
| F purefontname | F registerobject |
| F pushfloat | F registerpattern |
| F pushhyphenation | F registerpostponedblock |
| F pushitaliccorrection | F registerreferencedobject |
| F pushlist | F registerrendering |
| F pushpath | F registersection |
| F pushrandomseed | F registershownsynonym |
| F pushreferenceprefix | F registerstructureprocessor |
| F pushregime | F registersynonym |
| F pushsectionblock | F registerunit |
| F pushstream | F registerusedsynonym |
| F putboxincache | F registeruserdata |
| F putincolumnset | F relatemarking |
| F rawcharacter | F renderingvar |
| F rawcountervalue | F replacefeature |
| F rawdate | F replacepospxywhd |
| F rawsetupstring | F reportstructure |
| F rawsubcountervalue | F resavefloat |
| F referencepagedetail | F resetboxesincache |
| F referencepagestate | F resetcharacteralign |
| F referencerealpage | F resetcolumnset |
| F registerattachment | F resetcounter |
| F registerbackendsymbol | F reseteffect |
| F registerbackground | F resetfeature |
| F registerbodyfontsize | F resetfontfeature |
| F registerbookmark | F resetfontsolution |

F resetinjector
F resetitaliccorrection
F resetmapfiles
F resetmarking
F resetmathattributes
F resetmathitalics
F resetnullfont
F resetparallel
F resetpath
F resetprevdepth
F resetreference
F resetscript
F resetshownsynonyms
F resetstructureprocessor
F resetsubcounter
F resettimer
F resettrackers
F resetusedsynonyms
F restartcounter
F restartsubcounter
F restorecounter
F restorecurrentattributes
F restorenote
F restoreobject
F reuserandomseed
F revivefeature
F romannumerals
F rounded
F ruby
F runbuffer
F runcontextjob
F safechar
F savebuffer
F savecounter
F savecurrentattributes
F savedlistnumber
F savedlistprefixednumber
F savedlisttitle
F savefloat
F savefont
F savemargindata
F savenote
F savepagedata
F savepageinjections

F saveparallel
F savespecificfloat
F savestructureblock
F savetaggedtwopassdata
F savetwopassdata
F savevariable
F second
F selectstructureblock
F setactivecatcodes
F setbreakpoints
F setcharacteralign
F setcharactercasing
F setcharactercleaning
F setcharacterkerning
F setcharacterspacing
F setcharacterstripping
F setcloseddocumentaction
F setclosepageaction
F setcolormodel
F setcolumnsetarea
F setcolumnsetlines
F setcolumnsetproperties
F setcolumnsetstart
F setcounter
F setdataset
F setdestinationattribute
F setdigitsmanipulation
F setdirection
F setdocumentargument
F setdocumentcommandline
F setdocumentctxfile
F setdocumentdefaultargument
F setdocumentenvironments
F setdocumentfilename
F setdocumentfilenames
F setdocumentmodes
F setdocumentmodules
F seteffect
F setelementuserproperties
F setextrafontkerns
F setfieldcalculationset
F setfigurelookuporder
F setfigurepaths
F setfirstline

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

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

| | |
|-----------------------------|-------------------------|
| F structurecatcodedget | F unit_normal |
| F structuregivencatcodedget | F unit_reverse |
| F structurenumber | F unloadlanguage |
| F structuretitle | F upper |
| F structureuservariable | F useMPLibrary |
| F structurevariable | F useanyfile |
| F strwd | F useanyfileonce |
| F subcountervalue | F usecldfilere |
| F subcountervalues | F usecldfilereonce |
| F subsubcountervalues | F usecolors |
| F subtractfeature | F usecomponent |
| F synccolor | F useenvironment |
| F synccolorclone | F usefigurebase |
| F synccolorcount | F usefile |
| F synchronizemarking | F usejavascriptpreamble |
| F synchronizestream | F usejavascriptscripts |
| F synonymmeaning | F useluafile |
| F synonymname | F useluafileonce |
| F systemlog | F useluamodule |
| F tagmfunctionlab | F usemodules |
| F tagmfunctiontxt | F usepath |
| F tan | F useproduct |
| F tand | F useproject |
| F texdefinition_one | F usesubpath |
| F texdefinition_two | F usesymbols |
| F textime | F usetexfile |
| F thefirstcharacter | F usetexfileonce |
| F themaxboxwidth | F useurl |
| F theremainingcharacters | F usexmlfile |
| F tochar | F usexmlfileonce |
| F transparencycomponents | F usezipfile |
| F triggerpagebuilder | F utfchar |
| F truefilename | F utfmathclass |
| F truefontname | F utfmathcommand |
| F type | F utfmathcommandabove |
| F typebuffer | F utfmathcommandbelow |
| F typefile | F utfmathcommandfiller |
| F typesetbuffer | 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 vspaceingdefine | F xmlcount |
| F vspaceingsetamount | F xmldelete |
| F vspaceingsnap | F xmldirect |
| F way | F xmldirectives |
| F weekday | F xmldirectivesafter |
| F weekdayname | F xmldirectivesbefore |
| F writestatus | F xmldisplayverbatim |
| F x_table_c | F xmldoif |
| F x_table_cleanup | F xmldoifelse |
| F x_table_construct | F xmldoifelseempty |
| F x_table_create | F xmldoifelseselfempty |
| F x_table_finish_row | F xmldoifelsesetext |
| F x_table_flush | F xmldoifempty |
| F x_table_init_construct | F xmldoifnot |
| F x_table_init_reflow_height | F xmldoifnotempty |
| F x_table_init_reflow_height_option | F xmldoifnotselfempty |
| 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 xmlflushnewline |
| F xmladdindex | F xmlflushpure |
| F xmlaftersesetup | F xmlflushsetups |
| F xmlall | F xmlflushspacewise |
| F xmlappendsetup | F xmlflushstext |
| 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 xmlloaddata | F xmlstripnolines | |
| F xmlloaddirectives | F xmlstripped | |
| F xmlloadentities | F xmlstrippednolines | |
| F xmlmain | F xmltag | |
| F xmlmatch | F xmltexentity | |
| F xmlname | F xmltext | |
| F xmlnamespace | F xmltobuffer | |
| F xmlnonspace | F xmltobufferverbose | |
| F xmlpath | F xmltofile | |
| F xmlpopmatch | F xmltoparameters | |
| F xmlpos | F xmlverbatim | |
| F xmlprependsetup | F xmlwithindex | |
| F xmlpure | F year | |
| F xmlpushmatch | setconstant | function |
| F xmlraw | setcount | function |
| F xmlrawtex | setdimen | function |
| F xmlrefatt | setelement | function |
| F xmlregisters | setformat | function |
| F xmlremapname | setmacro | function |
| F xmlremapnamespace | setmessage | function |
| F xmlremovesetup | setmessages | function |
| F xmlresetinjectors | settranslation | function |
| F xmlresetsetups | setupstrings | data table |
| F xmlsave | setuserinterface | function |
| F xmlsetcommandtonone | setvalidkeys | function |
| F xmlsetcommandtotext | setvariable | function |
| F xmlsetentity | showmessage | function |
| F xmlsetinjectors | storedscanners | data table |
| F xmlsetsetup | strings | table |
| F xmlsnippet | syntax | data table |
| F xmlstartraw | tolist | function |
| F xmlstarttiming | translations | data table |
| F xmlstopraw | usednamespaces | data table |
| F xmlstoptiming | variables | data table |
| F xmlstrip | writestatus | function |
| F xmlstripanywhere | | |

io (basic lua)

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

job (context)

| | | | |
|--------------------------|----------|------------------|-------|
| comment | function | F define | |
| datasets | table | F find | |
| D collected | | F first | |
| F extend | | F get | |
| F getdata | | F getcollected | |
| F setdata | | F getdata | |
| D tobesaved | | F getfield | |
| disablesave | function | F gettobesaved | |
| fileobjreferences | table | F inlist | |
| D collected | | F last | |
| D tobesaved | | F list | |
| files | table | F save | |
| D collected | | F savetagged | |
| F context | | D tobesaved | |
| B forcerun | | positions | table |
| F run | | F b_column | |
| D tobesaved | | F b_region | |
| getrandomseed | function | 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 | | T free | |
| F set | | F get | |
| D tobesaved | | F getreserved | |
| pack | boolean | F gettobesaved | |
| packversion | number | F hangafter | |
| pagestates | table | F hangindent | |
| D collected | | F height | |
| F extend | | F hsize | |
| F realpage | | F leftskip | |
| F setstate | | F lowerleft | |
| D tobesaved | | F lowerright | |
| passes | table | F markregionbox | |
| F check | | F n | |
| D collected | | F onsamepage | |
| F count | | F overlapping | |

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

lang (basic tex)

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

B enables

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 | popmatch | function |
| doifelsetext | function | pos | function |
| doifempty | function | position | function |
| doifnot | function | pure | function |
| doifnotempty | function | pushmatch | function |
| doifnottext | function | raw | function |
| doiftext | function | rawroot | function |
| element | function | rawtex | function |
| elements | function | refatt | function |
| entities | data table | register | function |
| filter | function | registerentity | function |
| filterlist | function | removesetup | function |
| first | function | resetdata | function |

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

math (basic lua)

| | | | |
|--------------------|----------|----------------------|---------------------|
| abs | function | log | function |
| acos | function | max | function |
| asin | function | min | function |
| atan | function | mod | function |
| atan2 | function | modf | function |
| ceil | function | odd | function |
| ceiling | function | pi | number |
| cos | function | pow | function |
| cosd | function | rad | function |
| cosh | function | random | overloaded function |
| deg | function | randomseed | function |
| div | function | round | function |
| even | function | setrandomseed | 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 | overloaded function |
| sumhexa | overloaded 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 | _get_count_ | function |
| MakeupWidth | function | _get_dimen_ | function |
| NOfColumns | function | _get_toks_ | function |
| NOfPages | function | _set_count_ | function |
| NamedColor | function | _set_dimen_ | function |
| OnOddPage | function | _set_toks_ | function |
| OnRightPage | function | boolean | function |
| OuterEdgeDistance | function | dataset | function |
| OuterEdgeWidth | function | datasets | table |
| OuterMarginDistance | function | | |

F load

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

mplib (extra tex)

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

noads (context)

| | | | |
|-----------------|-------|----------------------|------------|
| handlers | table | | F tags |
| 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 kernpairs | | F mlist_to_hlist | |
| F makeup | | T relocate | |
| F relocate | | T render | |
| F render | | T resize | |
| F resize | | T unscript | |
| F showtree | | 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 getattributelist
F getboth
F getbox
F getchar
F getcomponents
F getdepth
F getdir
F getdisc
F getfield
F getfont
F getglue
F getheight
F getid
F getkern
F getlang
F getleader

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

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

| | | | |
|----------------------------|----------|-------------------------|----------|
| remove | function | traverse | function |
| set_attribute | function | traverse_char | function |
| set_properties_mode | function | traverse_id | function |
| setfield | function | type | function |
| setglue | function | types | function |
| setproperty | function | unprotect_glyphs | function |
| setwhd | function | unset_attribute | function |
| slide | function | usedlist | function |
| subtype | function | vpack | function |
| subtypes | function | whatsits | function |
| tail | function | write | function |
| tostring | function | | |

nodes (context)

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

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

| | | |
|-------------------------|-------------------|---------------------|
| N exact | | F getattributelist |
| N left | | F getattrlist |
| N middle | | F getboth |
| N no_axis | | F getbox |
| N right | | F getchar |
| N set | | F getcomponents |
| N unused_1 | | F getdepth |
| N unused_2 | | F getdir |
| nodecodes | data table | F getdisc |
| nopts | function | F getdiscretionary |
| nuts | table | F getfield |
| F append | | F getfont |
| F apply | | F getglue |
| F applyvisuals | | F getheight |
| F check_discretionaries | | F getid |
| F concat | | F getkern |
| F copy | | F getlang |
| F copy_list | | F getlanguage |
| F copy_no_components | | F getleader |
| F copy_node | | F getlist |
| F copy_only_glyphs | | F getnext |
| F copy_properties | | F getnucleus |
| F copyvisual | | F getoffsets |
| F count | | F getpenalty |
| F count_components | | F getprev |
| F countall | | F getprop |
| F current_attr | | F getshift |
| F delete | | F getsub |
| F dimensions | | F getsubtype |
| F effective_glue | | F getsup |
| F end_of_math | | F getsurround |
| F find_attribute | | F getwhd |
| F first_glyph | | F getwidth |
| F firstcharacter | | F has_attribute |
| F firstcharinbox | | F has_field |
| F firstglyph | | F has_glyph |
| F flush | | F hpack |
| F flush_list | | F insert_after |
| F flush_node | | F insert_before |
| F free | | F insert_list_after |
| F fullhpack | | F is_char |
| F get_components | | F is_direct |
| F getattr | | F is_display_math |
| F getattribute | | F is_glyph |

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

F setattributes
 F setattrlist
 F setboth
 F setbox
 F setchar
 F setcomponents
 F setdepth
 F setdir
 F setdisc
 F setdiscretionary
 F setfield
 F setfont
 F setglue
 F setheight
 F setkern
 F setlang
 F setlanguage
 F setleader
 F setlink
 F setlist
 F setnext
 F setnucleus
 F setoffsets
 F setpenalty
 F setprev
 F setprop
 F setshift
 F setsplit
 F setsub
 F setsubtype
 F setup
 F setsurround
 F setunsetattributes
 F setvisual
 F setvisuals
 F setwhd
 F setwidth
 F slide
 F somepenalty
 F somespace
 F splitbox
 F tail
 F take_components
 F takeattr

F takebox
 F takelist
 F theprop
 F tonode
 F tonodes
 F tonut
 F tosequence
 F tostring
 F tracedslide
 F traverse
 F traverse_char
 F traverse_id
 T typesetters
 F tohbox
 F tohpack
 F tonodes
 F tovbox
 F tovpack
 F unprotect_glyphs
 F unset_attribute
 F unsetattribute
 F unsetattributes
 F untracedslide
 F use_components
 F usedlist
 F vianodes
 F vianuts
 F vpack
 F write

packlist
pardir_is_equal
pardir_is_opposite
pardir_is_parallel
partextdir_is_equal
penaltycodes
plugindata

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

function
 data table
 data table
 data table
 data table
 data table
 table

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

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

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

number (context)

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

objects (context)

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

os (basic lua)

| | | | |
|---------------------|---------------------|----------------------|---------------------|
| __getenv__ | function | remove | overloaded function |
| __setenv__ | function | rename | overloaded function |
| binsuffix | string | resolvers | table |
| binsuffixes | table | F bits | |
| clock | function | resultof | function |
| converttime | function | runtime | function |
| date | function | selfdir | string |
| difftime | function | setenv | overloaded function |
| env | data table | setlocale | overloaded function |
| exec | overloaded function | sleep | function |
| execute | overloaded function | spawn | overloaded function |
| exit | function | time | function |
| fulltime | function | times | function |
| getenv | overloaded function | timezone | function |
| gettimeofday | function | tmpdir | function |
| isleapyear | function | tmpname | function |
| launch | function | today | function |
| libsuffix | string | type | string |
| localtime | function | uname | function |
| name | string | uuid | function |
| newline | string | validdatetime | function |
| nofdays | function | weekday | function |
| now | function | where | function |
| pipeto | function | which | function |
| platform | string | | |

package (basic lua)

| | | | |
|----------------------|----------|-------------------|----------|
| config | string | loaders | table |
| cpath | string | loadlib | function |
| extralibpath | function | luapaths | function |
| extralibpaths | function | path | string |
| 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 |
| getcatalg | function | maxobjnum | function |
| getcompresslevel | function | newcolorstack | function |
| getcreationdate | function | obj | function |
| getdecimaldigits | function | objtype | function |
| getdestmargin | function | pageref | function |
| getgentounicode | function | print | function |
| gethpos | function | refobj | function |
| getignoreunknownimages | function | registerannot | overloaded function |
| getimageresolution | function | reserveobj | function |
| getinclusionerrorlevel | function | setcatalg | overloaded function |
| getinfo | function | setcompresslevel | function |
| getlastannot | function | setdecimaldigits | function |
| getlastlink | function | setdestmargin | function |
| getlastobj | function | setfontattributes | function |
| getlinkmargin | function | setgentounicode | function |
| getmajorversion | function | setignoreunknownimages | function |
| getmatrix | function | setimageresolution | function |
| getminorversion | function | setinclusionerrorlevel | function |
| getnames | function | setinfo | overloaded function |
| getobjcompresslevel | function | setlinkmargin | function |
| getomitcidset | function | setmajorversion | function |
| getorigin | function | setminorversion | function |
| getpageattributes | function | setnames | overloaded function |
| getpageresources | function | setobjcompresslevel | function |
| getpagesattributes | function | setomitcidset | function |
| getpkresolution | function | setorigin | function |
| getpos | function | setpageattributes | overloaded function |
| getretval | function | setpageresources | overloaded function |
| getsuppressoptionalinfo | function | setpagesattributes | overloaded function |
| getthreadmargin | function | setpkresolution | function |
| gettrailer | function | setsuppressoptionalinfo | function |
| gettrailerid | function | setthreadmargin | function |
| getversion | function | settrailer | overloaded function |
| getvpos | function | settrailerid | function |
| getxformattributes | function | setxformattributes | function |
| getxformmargin | function | setxformmargin | function |
| getxformresources | function | setxformresources | function |
| hasmatrix | function | xformname | function |

pdfscanner (context)

scan function

physics (context)

units table

F registerunit

D tables

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

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

sandbox (context)

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

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

scripts (context)

| | | |
|-------------------------------------|------------|-----------------------------|
| autofontfeature | table | N inter_char_stretch_factor |
| F disable | | N inter_word_stretch_factor |
| F enable | | handlers |
| F handler | | data table |
| categorytonumber | data table | hash |
| colors | data table | table |
| decomposehangul | function | injectors |
| defaults | table | data table |
| N inter_char_half_shrink_factor | | installdataset |
| N inter_char_half_stretch_factor | | function |
| N inter_char_hangul_penalty | | installmethod |
| N inter_char_quarter_shrink_factor | | function |
| N inter_char_quarter_stretch_factor | | numbertocategory |
| N inter_char_shrink_factor | | 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 |
| elapsed | function |
| elapsedindeed | function |
| elapsedseconds | function |
| elapsedtime | function |
| enable | boolean |
| formatruntime | function |
| hastiming | function |
| memused | function |
| register | function |

| | |
|----------------------|----------|
| resettiming | function |
| runtime | function |
| savefmtstatus | function |
| show | function |
| starttiming | function |
| stoptiming | function |
| threshold | number |
| timed | function |
| tracefunction | 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 | nspace | table |
| autosingle | function | optionalquoted | function |
| booleanstring | function | quote | function |
| byte | function | quoted | function |
| bytepairs | function | rep | function |
| bytes | function | replacenewlines | function |
| bytetable | function | reverse | function |
| char | function | split | function |
| characterpairs | function | splitlines | function |
| characters | function | splitup | function |
| checkedsplit | function | strip | function |
| collapsespaces | function | sub | function |
| count | function | tformat | function |
| dump | function | toHEX | function |
| escapedpattern | function | 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 | function | valid | function |

structures (context)

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

| | | | |
|-------------------|--------------|----------------------------|--------------|
| D data | | F savedlistnumber | |
| F define | | F savedlistprefixednumber | |
| F getdata | | F savedlisttitle | |
| F getlocation | | D sectionblocks | |
| F getname | | F sectionnumber | |
| F getnumber | | F size | |
| F setlocation | | F title | |
| F setup | | D 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 check_spacing | |
| F number | | F checkpagechange | |
| D ordered | | F define | |
| F page | | F doifonsamepageasprevious | |
| F popnesting | | F get | |
| F prefix | | F getdeltapage | |
| F prefixednumber | | F getinternal | |
| F prefixedpage | | F getn | |
| F process | | F getstate | |
| D pushed | | F hascontent | |
| F pushnesting | | F internal | |
| F realpage | | F internalid | |
| F reordered | | F listindex | |
| T result | | T numbers | |

- F ordered
- F postpone
- F resetpostponed
- F restore
- F save
- F setstate
- D states
- F store

pages table

- F analyze
- D collected
- F in_body
- F is_odd
- N nopages
- F number
- F on_right
- F save
- D tobesaved

references table

- F analyze
- F checkedfile
- F checkedfileorurl
- F checkedprogram
- F checkedrealpage
- F checkedurl
- D collected
- U componentsplitter
- F currentmetadata
- F currentorder
- D currentset
- F define
- D defined
- D derived
- F enableinteraction
- F enhance
- D executers
- F expandcurrent
- F export
- T files
- T data
- F define
- F found
- F get
- F filter

- F filterdefault
- D filters
- D flaginternals
- F from
- D functions
- F get
- F getcurrentmetadata
- F getcurrentprefixspec
- F getinnermethod
- F getinternalcachedlistreference
- F getinternallistreference
- F getinternalreference
- D handlers
- F identify
- F import
- F inject
- F injectcurrentset
- S innermethod
- D internals
- F load
- F loadpresets
- F mark
- D pages
- U prefixsplitter
- D productdata
- T programs
- T data
- F define
- F get
- F realpageofpage
- U referencesplitter
- D referred
- F referredpage
- F registerfinalizer
- F registerinitializer
- F registerpage
- F reportproblems
- F reset
- D runners
- F set
- F setandgetattribute
- F setcomponent
- F setinnermethod
- F setinternalreference

- F setnextinternal
- 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

- F analyze
- D collected
- F compare
- F define
- F enhance
- F extend
- F filter
- F filtercollected
- F finalize
- F findinternal

table

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

table (basic lua)

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

tex (basic tex)

| | | | |
|---------------------------------|------------|----------------------------|---------------------|
| attribute | table | gettoks | function |
| badness | function | getuccode | function |
| box | table | glue | table |
| catcode | table | hashtokens | function |
| conditionals | data table | ifs | data table |
| constants | data table | 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

token (basic tex)

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

tokens (context)

astable function
bgroup userdata
bits table

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

collectors table

T data
F defaultwords
F dowithwords
F flush
F install
F register
T registered
F show
F test

compile function
constant function
converters table

S toboolean
S todimen
S toglue
S tonumber
S tostring

defined function
egroup userdata
getters table

F box
F count
F dimen
F glue
F macro
F meaning
F skip
F token

hbox userdata
istoken function
letter function
letters function
other function
pickup function
printlist function
scanners table

F boolean
F code
F conditional
F count
F csname
F dimen
F dimension
F glue
F integer
F keyword
F list
F lxmlid
F number
F scanclose
F scanopen
F skip
F string
F token
F tokens
F toks
F word

scantable function

setters table

F box
F count
F dimen
F glue
F macro
F skip

shortcuts table

T bits
N active
N alignment
N begingroup
N character
N close
N comment
N endgroup
N endofline
N escape
N ignore
N invalid
N letter
N mathshift
N open
N other
N parameter
N space
N subscript
N superscript
N whitespace
N close
F inspect
N open
F report
F scanboolean
F scanclose
F scancode
F scanconditional
F scanscname
F scandimen
F scandimension
F scaninteger
F scankeyword
F scanlist
T scanners

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
F scannumber
F scanopen
F scanstring
F scanword
F toboolean
F todimen
T tokens
F astable
U bgroup
T collectors
F defaultwords
F dowithwords
F flush
F install
F register
F show
F test
F compile
F constant
T converters
S toboolean
S todimen
S toglue

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

tracers (context)

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

trackers (context)

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

typesetters (context)

alignments table

- F handler
- F set

breakpoints table

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

cases table

- T actions
- F handler
- F register
- F set

characteralign table

- F handler
- F resetcharacteralign
- F setcharacteralign

characters table

- F handler
- T methods
- F replacenbsp
- F replacenbspaces

checkers table

- F handler
- F reset
- F set

cleaners table

- F handler
- F set

digits table

- T actions
- F handler
- F set

directions table

- F getfences
- F getglobal
- F getmethod
- F handler

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

firstlines table

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

fontkerns table

- F handler

initials table

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

injectors table

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

italics table

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

kerns table

D factors
F handler
F keepligature
B 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

rubies table

F attach
F check

showsuspects function

spacings table

F define
F handler
D mapping
T numbers
T frenchpunctuation
T characters
S name
N number

F reset
F set
F setup

wrappers table

F handler

xtables table

F cleanup
F construct
F create
F finish_row
F flush
F initialize_construct
F initialize_reflow_height
F initialize_reflow_width
F next_row
F reflow_height
F reflow_width
F set_construct
F set_reflow_height
F set_reflow_width

unicode (extra lua)

ascii table

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

grapheme table

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

latin1 table

F byte
F char
F dump
F find
F format
F gfind
F gmatch
F gsub

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

toutf32string function

utf8 table

F byte
F char
F characters
F 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 utf32_to_utf8_le_t |
| F utf16_to_utf8_be | F utf32_to_utf8_t |
| F utf16_to_utf8_be_t | F utf8_to_utf16 |
| F utf16_to_utf8_le | F utf8_to_utf16_be |
| F utf16_to_utf8_le_t | F utf8_to_utf16_le |
| F utf16_to_utf8_t | F utf8_to_utf8_t |
| F utf32_to_utf8_be | F values |
| F utf32_to_utf8_be_t | F xstring |
| F utf32_to_utf8_le | |

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 readbytetable
- F readcardinal
- F readcardinal1
- F readcardinal2
- F readcardinal2le
- F readcardinal3
- F readcardinal3le
- F readcardinal4
- F readcardinal4le
- F readchar
- F readfixed2
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger2
- F readinteger2le
- F readinteger3
- F readinteger3le
- F readinteger4
- F readinteger4le
- F readsignedbyte
- F readstring
- F readtag
- F setposition
- F size
- F skip

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

formatters table

- F formatcolumns
- F list
- F stripzeros

garbagecollector table

- F check
- N criterium
- B enabled

lua table

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

packers table

- F hashed
- F new
- F pack
- F simplehashed

| | |
|---|--|
| F strip | B modern-light |
| F unpack | T modern-mono,modern-base-mono |
| N version | B modern-base-mono |
| parsers | B modern-mono |
| table | T modern-variable,latin-modern-variable-designsize,latin-modern-variable |
| F add_settings_to_array | B latin-modern-variable |
| F arguments_to_table | B latin-modern-variable-designsize |
| F array_to_string | B modern-variable |
| F csvsplitter | T modernvariable,modern-variable |
| F getparameters | B modern-variable |
| F groupedsplitat | B modernvariable |
| F hash_to_string | T modernvariablelight,modern-variable-light |
| T hashes | B modern-variable-light |
| T settings_to_set | B modernvariablelight |
| T max,fit,broad,auto | T serif,sans,mono |
| B auto | B mono |
| B broad | B sans |
| B fit | B serif |
| B max | T text,hidden,paper,page,leftpage,rightpage |
| T modern,latin-modern | B hidden |
| B latin-modern | B leftpage |
| B modern | T modern-condensed,latin-modern-condensed |
| 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-condensed,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 | | F list | |
| F settings_to_hash_strict | | F new | |
| F settings_to_hash_tolerant | | F register | |
| F settings_to_numbers | | F report | |
| F settings_to_set | | F reset | |
| F simple_hash_to_string | | F show | |
| F splitmethod | | stacker | table |
| F splitthousands | | F new | |
| F stepper | | storage | table |
| F stripped_settings_to_array | | F allocate | |
| F unittotex | | F checked | |
| F unittoxml | | F mark | |
| randomizer | table | F marked | |
| F get | | F setinitializer | |
| F getnumber | | F sparse | |
| F getseed | | streams | table |
| F popseed | | F close | |
| F pushseed | | F getposition | |
| F reuseseed | | F look | |
| F setseed | | F open | |
| F setseedi | | F read2dot14 | |
| report | function | F readbyte | |
| sequencers | table | F readbytes | |
| F appendaction | | F readbytetable | |
| F appendgroup | | F readcardinal | |
| F compile | | F readcardinal1 | |
| F disableaction | | F readcardinal2 | |
| F disablegroup | | F readcardinal3 | |
| F enableaction | | F readcardinal4 | |
| F enablegroup | | F readchar | |
| D functions | | F readfixed4 | |
| F localize | | F readinteger | |
| F new | | F readinteger1 | |
| F nodeprocessor | | F readinteger2 | |
| F prependaction | | F readinteger4 | |
| F prependgroup | | F readstring | |
| F removeaction | | F setposition | |
| F replaceaction | | F size | |
| F setkind | | F skip | |
| F tostring | | F skipbytes | |
| setters | table | F skiplong | |
| F disable | | F skipshort | |
| F enable | | strings | table |
| F initialize | | F collapseCrLf | |

T formatters

F add

F new

F newrepeater

F nice

T striplinepatterns

U collapse

U prune

U prune and collapse

U prune and no empty

U retain

U retain and collapse

U retain and no empty

F striplines

F striplong

F tabtospace

T tracers

tables

table

F accesstable

F definedtable

F definetable

F encapsulate

F insertaftervalue

F insertbeforevalue

F migratetable

F removevalue

F replacevalue

templates

table

F load

F replace

F replacer

F resolve

vf (context)

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

finalizers

F paragraphs
T tex
F all
F attribute
F chainattribute
F chainpath
F command
F concat
F concatrange
F context
F count
F ctxtext
F default
F first
F function
F index
F last
F lettered
F lower
F lowerall
F match
F name
F position
F reverse
F stripped
F tag
F tags
F text
F upper
F upperall
T xml
F all
F att
F attribute
F attributes
F cdata
F chainattribute
F count
F default
F elements
F empty
F first
F function

table

F index
F last
F lowerall
F match
F name
F position
F reverse
F table
F tag
F tags
F text
F texts
F upperall

| | |
|------------------------------|----------|
| first | function |
| found | function |
| functions | table |
| getbuffer | function |
| gethandlers | function |
| gethandlersfunction | function |
| helpers | table |
| F recursetext | |
| include | function |
| inclusion | function |
| inclusions | function |
| index | function |
| inheritedconvert | function |
| inject | function |
| inject_element | function |
| inject_element_after | function |
| inject_element_before | function |
| injectafter | function |
| injectbefore | function |
| insert | function |
| insert_element | function |
| insert_element_after | function |
| insert_element_before | function |
| insertafter | function |
| insertbefore | function |
| insertcdata | function |
| insertcomment | function |
| inspect | function |
| is_valid | function |
| kind | function |
| last | function |

| | | | |
|---------------------------|----------|----------------------------|----------|
| lastmatch | function | replace | function |
| load | function | replace_element | function |
| lpath | function | resetinjectors | function |
| lpathcached | function | resolvens | function |
| lpathcalls | function | root | function |
| lshow | function | save | function |
| makestandalone | function | selection | function |
| match | function | separate | function |
| name | function | serialize | function |
| newhandlers | function | setcdata | function |
| nodesettostring | function | setcomment | function |
| originalload | function | sethandlersfunction | function |
| package | function | setinjectors | function |
| parent | function | setProperty | function |
| parsedentitylpeg | userdata | settings | function |
| pihandlers | table | specialcodes | table |
| F injector | | S " | |
| F tex | | S # | |
| placeholders | table | S \$ | |
| F unknown_any_entity | | S % | |
| F unknown_dec_entity | | S & | |
| F unknown_hex_entity | | S ' | |
| popmatch | function | S < | |
| position | function | S > | |
| privatecodes | table | S \ | |
| privatetoken | function | S { | |
| process | function | S | |
| process_attributes | function | S } | |
| process_elements | function | S ~ | |
| processattributes | function | specialhandler | table |
| profiled | table | sprint | function |
| pushmatch | function | string | function |
| raw | function | strip | function |
| registerentity | function | strip_whitespace | function |
| 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 |

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

zip (extra lua)

| | | | |
|---------------------|---------------------|------------------------|----------|
| archives | table | openarchive | function |
| close | function | openfile | function |
| closearchive | function | registeredfiles | table |
| open | overloaded function | type | function |

zlib (extra lua)

| | |
|--------------------|----------|
| adler32 | function |
| compress | function |
| compressobj | function |
| crc32 | function |

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