

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

ConT_EXt MkIV

global (alias: _G)

| | | | |
|----------------|----------|--------------|----------|
| MP | table | file | table |
| _LUAVERSION | number | floats | table |
| _MAJORVERSION | number | font | table |
| _MINORVERSION | number | fontloader | table |
| arg | table | fonts | table |
| assert | function | frozen | boolean |
| attributes | table | functions | table |
| backends | table | gcinfo | function |
| beginpage | function | getfenv | function |
| bit | table | getmetatable | function |
| bit32 | table | getpos | function |
| blobs | table | getvpos | function |
| boolean | table | global | table |
| buffers | table | graphics | table |
| builders | table | gzip | table |
| caches | table | img | table |
| callback | table | inspect | function |
| callbacks | table | interactions | table |
| catcodes | table | interfaces | table |
| characters | table | io | table |
| chemistry | table | ipairs | function |
| collectgarbage | function | jit | table |
| commands | table | job | table |
| containers | table | l | number |
| context | function | lang | table |
| converters | table | languages | table |
| coroutine | table | layouts | table |
| ctxrunner | table | lfs | table |
| debug | table | libraries | table |
| dimen | function | lmx | table |
| dir | table | load | function |
| directives | table | loadfile | function |
| document | table | loadstring | function |
| documentdata | table | logs | table |
| dofile | function | lpdf | table |
| endpage | function | lpeg | table |
| environment | table | ltn12 | table |
| epdf | table | lua | table |
| error | function | luatex | table |
| experiments | table | lxml | table |
| figures | table | math | 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 | table | string | table |
| mplib | table | structures | table |
| newproxy | function | swiglib | function |
| newtoken | table | table | table |
| next | function | tex | table |
| noads | table | texconfig | table |
| node | table | texio | table |
| nodes | table | thirddata | table |
| number | table | toboolean | function |
| optionalrequire | function | tokens | table |
| os | table | tonumber | function |
| outputpagestree | function | tostring | function |
| package | table | tracers | table |
| pagebuilders | table | trackers | table |
| pairs | function | type | function |
| parametersets | table | typesetters | table |
| pcall | function | unicode | table |
| pdf | table | unpack | function |
| pdfscanner | table | url | table |
| physics | table | userdata | table |
| print | function | utf | table |
| profiler | table | utilities | table |
| publications | table | vf | table |
| rawequal | function | visualizers | table |
| rawget | function | xml | table |
| rawlen | function | xpcall | function |
| rawset | function | zip | table |
| regimes | table | zlib | table |
| require | function | | |
| resolvers | table | | |
| resolvestoredfunction | function | | |
| sandbox | table | | |
| scripts | table | | |
| select | function | | |
| set | table | | |
| setfenv | 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
- B couple
- D data
- N default
- F defineintermediatecolor
- F definemultitonecolor
- F defineprocesscolor
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- F forcedmodel
- F forcesupport
- F formatcolor
- F formatgray
- F getpagecolormodel
- F gray
- F graytohsb
- F handler
- F hsvtorgb
- F iccprofile
- F isblack
- N main
- S model
- D models
- F mpcolor
- F mpnamedcolor

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

define

effects

function

table

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

handlers

list

names

table

data table

data table

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

backends (context)

codeinjections table
current string
defaults table

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

install function
nodeinjections table

F restore
F save
F transform

nothing function
pdf table

T codeinjections
F addbookmarks
F attachmentid
F clonefield
F definefield
F definefieldset
F defineviewerlayer
F embedfile
F enabletags
F exportformdata
F getbookmarks
F getdefaultfieldvalue
F getfieldcategory
F getfieldset
F getformatoption
F gethpos
F getmatrix
F getoutputfilename
F getpos
F getpreviewfigure
F getvpos
F hasmatrix

F insertrenderingwindow
F mergebookmarks
F mergereferences
F mergeviewerlayers
F prerollreference
F presetsymbol
F presetsymbollist
F processrendering
F registerdocumentcloseaction
F registerdocumentopenaction
F registeredsymbol
F registerpagecloseaction
F registerpageopenaction
F registersymbol
F setfieldcalculationset
F setfigurealternative
F setfigurecolorspace
F setfiguremask
F setformat
F setformsmethod
F setpagetransition
F setupcanvas
F setupidentity
F setxmpfile
F startlayer
F stoplayer
F supportedformats
F unicodetoactualtext
F useviewerlayer
F validfield
F validfieldcategory
F validfieldset
S comment
T nodeinjections
F addtags
F annotation
F attachfile
F changestackedlayer
F cmykcolor
F comment
F destination

- F effect
- F graycolor
- F injectbitmap
- F insertmovie
- F insertsound
- F insertswf
- F insertu3d
- F knockout
- F negative
- F overprint
- F positive
- F reference
- F rgbcolor
- F spotcolor
- F startlayer
- F startstackedlayer
- F stoplayer
- F stopstackedlayer
- F transparency
- F typesetfield
- T registrations
 - F cmykindexcolor
 - F cmykspotcolor
 - F getspotcolorreference
 - F grayindexcolor
 - F grayspotcolor
 - F rgbindexcolor
 - F rgbspotcolor
 - F spotcolorname
 - F transparency
- T tables
 - D vfspecials

registrations table

tables table

bit (context)

| | |
|----------------|----------|
| arshift | function |
| band | function |
| bnot | function |
| bor | function |
| bswap | function |
| bxor | function |
| lshift | function |
| rol | function |
| ror | function |
| rshift | function |
| tobit | function |
| tohex | 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 |
| tohpackfast | function |
| tonodes | function |
| tovpack | function |
| tovpackfast | function |
| write | function |

boolean (context)

tocontext function

tonumber function

buffers (context)

| | |
|-----------------------|----------|
| append | function |
| assign | function |
| collectcontent | function |
| erase | function |
| exists | function |
| getcontent | function |
| getlines | function |
| loadcontent | function |
| parallel | table |
| F define | |
| F hassomecontent | |
| F next | |
| F place | |
| F reset | |
| F save | |
| prepend | function |
| raw | function |
| undent | function |

builders (context)

kernel table

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

paragraphs table

- T constructors
 - N attribute
 - F define
 - F disable
 - F enable
 - F handler
 - T methods
 - F basic
 - F default
 - F hpack
 - F oneline
 - D names
 - D numbers
 - F set
 - F start
 - F stop
- T expansion
 - F trace
- F kepttogether
- F registertogether
- T solutions
 - T splitters
 - F define
 - F optimize
 - T registered
 - F reset
 - F set
 - F split
 - F start
 - F stop
- F tag

profiling table

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

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

callback (basic tex)

| | |
|-----------------|---------------------|
| find | function |
| list | function |
| register | overloaded function |

callbacks (context)

| | |
|-----------------|------------|
| freeze | function |
| known | function |
| list | data table |
| pop | function |
| push | function |
| register | function |
| report | function |

catcodes (context)

names data table

numbers data table

register function

characters (context)

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

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

chemistry (context)

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

containers (context)

| | |
|-------------------|----------|
| cleannname | function |
| content | function |
| define | function |
| is_usable | function |
| is_valid | function |
| read | function |
| usecache | boolean |
| write | function |

converters (context)

| | | | |
|---------------------------|----------|--------------------------|------------|
| A | function | maxchrs | function |
| AK | function | minute | function |
| Alphabetic | function | month | function |
| Character | function | nicenumber | function |
| Characters | function | nofdays | function |
| Characters:es | function | number | function |
| I | function | numbers | function |
| KA | function | octnumber | function |
| KR | function | octstringtonumber | function |
| R | function | ordinal | function |
| RK | function | r | function |
| Romannumerals | function | rawcharacter | function |
| Sloviannumerals | function | romannumerals | function |
| Spanishnumerals | function | second | function |
| Word | function | sequences | data table |
| Words | function | sloviannumerals | function |
| a | function | spanishnumerals | function |
| abjadnodotnumerals | function | textime | function |
| abjadnumerals | function | toabjad | function |
| alphabetic | function | tochinese | function |
| character | function | toroman | function |
| characters | function | uchexnumber | function |
| characters:es | function | uchexnumbers | function |
| chineseallnumerals | function | upper | function |
| chinesecapnumerals | function | verbose | table |
| chinesenumerals | function | | |
| chr | function | D data | |
| chrs | function | F translate | |
| cn | function | weekday | function |
| cn-a | function | word | function |
| cn-c | function | words | function |
| convert | function | year | function |
| define | function | | |
| hexstringtonumber | function | | |
| hour | function | | |
| i | function | | |
| isleapyear | function | | |
| lchexnumber | function | | |
| lchexnumbers | function | | |
| leapyear | function | | |
| lower | function | | |

coroutine (basic lua)

| | |
|----------------|----------|
| create | function |
| resume | function |
| running | function |
| status | function |
| wrap | function |
| yield | function |

ctxrunner (context)

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

debug (basic lua)

| | |
|---------------------|----------|
| debug | function |
| getfenv | function |
| gethook | function |
| getinfo | function |
| getlocal | function |
| getmetatable | function |
| getregistry | function |
| getupvalue | function |
| getuservalue | function |
| setfenv | 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 |
| 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 |
| files | table |
| getargument | function |
| getfilename | function |
| options | table |
| T cmdline | |
| D environments | |
| D modes | |
| D modules | |
| T ctxfile | |
| D environments | |
| D modes | |
| D modules | |
| setargument | function |
| setcommandline | function |
| setdefaultargument | function |
| setenvironments | function |
| setfilename | function |
| setfilenames | function |
| setmodes | function |
| setmodules | function |
| variables | data table |

environment (context)

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

epdf (extra tex)

| | |
|----------------------------|---------------------|
| Array | function |
| Attribute | function |
| AttributeOwner_Type | function |
| Attribute_Type | function |
| Dict | function |
| Object | function |
| PDFRectangle | function |
| StructElement_Type | function |
| open | overloaded function |
| type | function |

experiments (context)

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

figures (context)

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

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 |
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floats (context)

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

fontloader (extra tex)

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| apply_afmfile | function |
| apply_featurefile | function |
| close | function |
| fields | function |
| fullinfo | function |
| info | overloaded function |
| open | overloaded function |
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| N blwf |
| N fina |
| N half |
| N init |
| N isol |
| N medi |
| N pref |
| N pstf |
| N rphf |
| D initializers |
| D methods |
| F setstate |
| T states |
| N blwf |
| N fina |
| N half |
| N init |
| N isol |
| N mark |
| N medi |
| N pref |
| N pstf |
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| T expansion | S finalized | |
| S auto | S fontname | |
| S shrink | S format | |
| S step | S fullname | |
| S stretch | S hasitalics | |
| S extendfactor | S hasmath | |
| S factor | S mathitalics | |
| S hfactor | S mode | |
| S mathsize | S name | |
| T protrusion | S noglyphnames | |
| S auto | S nostackmath | |
| S quad | S psname | |
| S scaledpoints | S textitalics | |
| S scriptpercentage | S virtualized | |
| S scriptscriptpercentage | D loadedfonts | |
| S size | S namemode | |
| S slantfactor | F newfeatures | |
| S slantperpoint | F newhandler | |
| T spacing | N noffontsloaded | |
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| N Checyrillic | |
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| N Dzecyrillic | |
| N Dzhecyrillic | |
| N Ecyrillic | |
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| N IAcyrillic |
| N IUcyrillic |
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| N Yericyrillic | N daletpatah |
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| N acutecmb | N daletqubutshebrew |
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| N afii00208 | N daletsegolhebrew |
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| N afii57700 | N dammaarabic |
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| N alefmaksurainitialarabic | N decimalseparatorarabic |
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| N asteriskaltonearabic | N doubleyodpatah |
| N ayin | N doubleyodpatahhebrew |
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| N blackleftpointingpointer | N etnahtafoukhhebrew |
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| N blacksmilingface | N fathaarabic |
| N blacksquare | N finalkaf |
| N blackuppointingtriangle | N finalkafdagesh |
| N bulletinverse | N finalkafhebrew |
| N cdot | N finalkafqamats |
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| N dagesh | N finalkafsheva |
| N dalet | N finalmem |
| N daletdagesh | N finalnun |
| N daletthatafpatah | N finalpe |
| N daletthatafpatahhebrew | N finaltsadi |
| N daletthatafsegol | N fivearabic |
| N daletthatafsegolhebrew | N forall |
| N dalethebrew | N fourarabic |
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| N hamzadammaarabic | N holamnarrowhebrew |
| N hamzadammatanarabic | N holamquarterhebrew |
| N hamzafathaarabic | N ilde |
| N hamzafathatanarabic | N integralbottom |
| N hamzalowarabic | N integraltop |
| N hamzalowkasraarabic | N kaf |
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| N hatafpatahnarrowhebrew | N lamedhebrew |
| N hatafpatahquarterhebrew | N lamedholam |
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| N hatafqamats1b | N lamedholamdageshhebrew |
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| N qamatsqatanhebrew | N reshhiqiq |
| N qamatsqatannarrowhebrew | N reshhiqiqhebrew |
| 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 |
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| N qofhatafsegolhebrew | N reshsegol |
| N qofhebrew | N reshsegolhebrew |
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| N qofhiriqhebrew | N reshshevahebrew |
| N qofholam | N reshtsere |
| N qofholamhebrew | N reviahebrew |
| N qofpatah | N samekh |
| N qofpatahhebrew | N samekhdagesh |
| N qofqamats | N segol |
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| N qofsegol | N segolhebrew |
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| N sheqel | N yerahbenyomohebrew | |
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|-----------------------------|--------------------------|
| F btxabbreviatedjournal | F btxsavejournallist |
| F btxaddentry | F btxsetdataset |
| F btxaddjournal | F btxsetentry |
| F btxauthor | F btxsetregister |
| F btxauthorfield | F btxsetspecification |
| F btxauthorstoregister | F btxsingularorplural |
| F btxcollectlistentries | F btxstoregister |
| F btxcurrentfirstnames | F btxusedataset |
| F btxcurrentinitials | F btxuservariable |
| F btxcurrentjuniors | F buildtextaccent |
| F btxcurrentsurnames | F character |
| F btxcurrentvons | F characters |
| F btxdetail | F chardescription |
| F btxdirect | F checkcountersetup |
| F btxdoif | F checkedconversion |
| F btxdoifelse | F checkedpagefloat |
| F btxdoifelsecombiinlist | F checkinjector |
| F btxdoifelsesameasprevious | F checkinterfacechain |
| F btxdoifelseuservariable | F checknextinjector |
| F btxdoifnot | F checkpreviousinjector |
| F btxexpandedjournal | F checktwopassdata |
| F btxfetchlistentries | F chemicalcomponent |
| F btxfield | F chinesenumerals |
| F btxfieldname | F cleanfontname |
| F btxfieldtype | F cleanupbox |
| F btxfirstofrange | F cleanuplayers |
| F btxflush | F clonefield |
| F btxflushlistcombi | F collectfloat |
| F btxflushlistentry | F collecthelp |
| F btxflushmarked | F colorcomponents |
| F btxflushpages | F concatcommalist |
| F btxfoundname | F consultfloat |
| F btxfoundtype | F convertbtxdatasettoxml |
| F btxhandlecite | F converteddimen |
| F btxhandlenocite | F converttmpstopdf |
| F btxlastofrange | F copyposition |
| F btxlistvariant | F cos |
| F btxloaddefinitionfile | F cosd |
| F btxloadjournallist | F countervalue |
| F btxloadreplacementfile | F counttwopassdata |
| F btxoneorrange | F currentcomponent |
| F btxpreparelistentries | F currentdate |
| F btxremapauthor | F currentdesignsize |
| F btxsavedataset | F currentenvironment |

| | |
|------------------------------|--------------------------------|
| F currentposthyphenchar | F defineprocesscolorglobal |
| F currentprehyphenchar | F defineprocesscolorlocal |
| F currentproduct | F defineprogram |
| F currentproject | F definereference |
| F currentreferenceorder | F defineregister |
| F currentsectiontolist | F definerule |
| F datasetvariable | F definesectionlevels |
| F dayname | F defineselectfont |
| F decrementcounter | F defineshift |
| F decrementedcounter | F definesnapmethod |
| F decrementsubcounter | F definespotcolorglobal |
| F defineaccents | F definestructureblock |
| F defineattribute | F definestructureset |
| F definebreakpoint | F definetransparency |
| F definebreakpoints | F definetwopasslist |
| F definecharacterspacing | F definetypeface |
| F definechemical | F defineviewerlayer |
| F defineconversion | F depthnumber |
| F definecounter | F digits_normal |
| F definedlayoutcomponent | F digits_reverse |
| F definefallbackfamily | F disableautofontscript |
| F definefield | F disabledirectives |
| F definefieldset | F disableexperiments |
| F definefilefallback | F disablejobsave |
| F definefilesynonym | F disableparbuilder |
| F definefont_one | F disableregime |
| F definefont_two | F disablespellchecking |
| F definefontfamily | F disablestatetriggering |
| F definefontfeature | F disablestream |
| F definefontsolution | F disabletrackers |
| F definehyphenationfeatures | F discardfromlist |
| F defineinsertion | F doanalyzeframedbox |
| F defineintermediatecolor | F doifcounter |
| F definelabels | F doifelseblack |
| F definelanguage | F doifelsebuffer |
| F definelinkedlist | F doifelsecharinfont |
| F definemarking | F doifelsecommon |
| F definemetafont | F doifelsecontinnewithfile |
| F definemultitonecolorglobal | F doifelseconverter |
| F definenamespace | F doifelsecounter |
| F definenote | F doifelsecurrentfontasfeature |
| F defineparallel | F doifelsedrawingblack |
| F defineparbuilder | F doifelsefieldcategory |
| F defineprocesscolordummy | F doifelsefiledefined |

| | |
|--------------------------------|---------------------------|
| F doifelsefileexist | F doifsame |
| F doifelsefirstchar | F doprocesstypescriptfile |
| F doifelsefontpresent | F doreshapeframedbox |
| F doifelseinelement | F dosaveposition |
| F doifelseinputfile | F dosavepositionplus |
| F doifelseinset | F dosavepositionwhd |
| F doifelseintwopassdata | F dosetposition |
| F doifelseleapyear | F dosetpositionbox |
| F doifelselisthasentry | F dosetpositionplus |
| F doifelselisthasnumber | F dosetpositionstrut |
| F doifelselisthaspage | F dosetpositionwhd |
| F doifelselisthastitle | F dostarttextfile |
| F doifelselocfile | F dostoptextfile |
| F doifelsemarking | F elapsedtime |
| F doifelsemessage | F enableasciimode |
| F doifelseobjectreferencefound | F enableautofontscript |
| F doifelseolderversion | F enablebackgroundalign |
| F doifelseoverlapping | F enablebackgroundboxes |
| F doifelseparallel | F enablecolor |
| F doifelseparentfile | F enablecolorintents |
| F doifelsepathexist | F enablecrlf |
| F doifelseposition | F enabledirectives |
| F doifelsepositiononpage | F enableexperiments |
| F doifelsepositionsonsamepage | F enablefontcolorschemas |
| F doifelsepositionsonthispage | F enableinteraction |
| F doifelsepositionsused | F enableparbuilder |
| F doifelserangeonpage | F enableregime |
| F doifelserreference | F enablerules |
| F doifelsesame | F enableshifts |
| F doifelsestackedfloats | F enablespellchecking |
| F doifelsesynonymshown | F enablestatetriggering |
| F doifelsesynonymused | F enablestream |
| F doifelseurldefined | F enabletrackers |
| F doifelseutfmathabove | F enabletransparency |
| F doifelseutfmathaccent | F enableutf |
| F doifelseutfmathbelow | F enhancelinkedlist |
| F doifelseutfmathfiller | F enhancelist |
| F doifelsevisualizer | F enhancereference |
| F doiffieldsetelse | F enhanceregister |
| F doifnotcounter | F eposcolumn |
| F doifnotecontent | F eposcolumnregistered |
| F doifnoteonsamepageasprevious | F erasebuffer |
| F doifnotsame | F execute |
| F doifposition | F expandcurrentreference |

| | |
|-----------------------------|---------------------------------|
| F exportformdata | F flushstream |
| F exportreferences | F flushstreamcopy |
| F extendregister | F fontchar |
| F extensiblecode | F fontcharbyindex |
| F featureattribute | F fontcollectionclone |
| F featurelist | F fontcollectiondefine |
| F feedback | F fontcollectionprepare |
| F fetchallmarks | F fontcollectionregister |
| F fetchmultipar | F fontcollectionreport |
| F fetchmultishape | F fontcollectionreset |
| F fetchonemark | F fontlookupgetkey |
| F fetchposboxes | F fontlookupgetkeyofindex |
| F fetchtwomarks | F fontlookupinitialize |
| F figure_check | F fontlookupnoffound |
| F figure_done | F forceendjob |
| F figure_dummy | F forcequitjob |
| F figure_identify | F formatcolor |
| F figure_include | F formatgray |
| F figure_mergegoodies | F from |
| F figure_pop | F getbidimode |
| F figure_push | F getbodyfontsizes |
| F figure_reset | F getbuffer |
| F figure_scale | F getbufferctxlua |
| F figurefilename | F getbuffermkvi |
| F figurefilepath | F getcheckedinterfaceparameters |
| F figurefiletype | F getcurrentprefixspec |
| F figurerequest | F getcurrentreferencemetadata |
| F figurestatus | F getdefaultfieldvalue |
| F figureused | F getdocumentargument |
| F filterdefaultreference | F getdocumentfilename |
| F filterreference | F getelementtag |
| F finalizebox | F getfieldcategory |
| F findtwopassdata | F getfile |
| F finishexport | F getfirstcharacter |
| F firstcountervalue | F getfirsttwopassdata |
| F firstinset | F getfloatvariable |
| F firstsubcountervalue | F getfullstructurenumber |
| F flushfloat | F getinternallistreference |
| F flushlabeledfloat | F getlasttwopassdata |
| F flushnotes | F getmarking |
| F flushpageinjectionsafter | F getmessage |
| F flushpageinjectionsbefore | F getmpextensions |
| F flushpostponedblocks | F getmprandomnumber |
| F flushpostponednotes | F getnotestate |

| | |
|------------------------------|------------------------------|
| F getprivatechar | F insertfield |
| F getprogram | F insertionnumber |
| F getrandomdimen | F insertrenderingwindow |
| F getrandomfloat | F installedlanguages |
| F getrandomnumber | F installtexdirective |
| F getrandomseed | F installtextracker |
| F getreadfilename | F jobfilename |
| F getsomefullstructurenumber | F jobfilesuffix |
| F getsomestructurenumber | F languagenumber |
| F getspecificstructuretitle | F lastcountervalue |
| F getstructurelevel | F lastsubcountervalue |
| F getstructurenumber | F lchexnumber |
| F getsubstring | F lchexnumbers |
| F gettexbuffer | F leapyear |
| F gettwopassdata | F linenumbersstageone |
| F gettwopassdatalist | F linenumbersstagetwo |
| F geturl | F listgroupindex |
| F getvisual | F listlabel |
| F hboxtovbox | F listlocation |
| F helpaction | F listnamespaces |
| F helpreference | F listprefixednumber |
| F hexstringtonumber | F listprefixedpage |
| F horizontalcode | F listrealpage |
| F hour | F listsize |
| F hyphenatedlist | F listtitle |
| F hyphenatedurl | F listuserdata |
| F immediatemessage | F loadexamodes |
| F incrementcounter | F loadfontgoodies |
| F incrementedcounter | F loadluamodule |
| F incrementsubcounter | F loadmapfile |
| F initializejob | F loadmapline |
| F initializestream | F loadspellchecklist |
| F initializetexdirectives | F loadtypescriptfile |
| F initializetextrackers | F loadvisualizer |
| F injectcurrentreference | F locatefilepath |
| F injectcurrentreferencehtdp | F locfilename |
| F injectreference | F lower |
| F inlinechemical | F lpdf_adddocumentcolorspace |
| F inputfilebarename | F lpdf_adddocumenttextgstate |
| F inputfilename | F lpdf_adddocumentpattern |
| F inputfilerealsuffix | F lpdf_adddocumentshade |
| F inputfilesuffix | F lpdf_addpageattributes |
| F insertattachment | F lpdf_addpageresources |
| F insertcomment | F lpdf_addpagesattributes |

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|---------------------------|------------------------------|
| F lpdf_addtocatalog | F mpsetoutercolor |
| F lpdf_addtoinfo | F mpsetsxsy |
| F lpdf_addtonames | F mpsettext |
| F lpdf_collectedresources | F mptexget |
| F lpdf_color | F mptexreset |
| F luascript | F mptexset |
| F luathread | F mptexsetfrombuffer |
| F lxmlid | F namedstructureuservariable |
| F markcontent | F namedstructurevariable |
| F markingnumber | F nbfs |
| F markingtitle | F nextcountervalue |
| F markinjector | F nextparallel |
| F markregionbox | F nextsubcountervalue |
| F markregionboxcorrected | F nofdays |
| F markregionboxtagged | F nofstackedfloats |
| F markvisualfonts | F notedeltapage |
| F mathfraction | F notelistindex |
| F mathrenderset | F notenumberpage |
| F message | F noteprefixednumber |
| F metapostescaped | F notesymbolpage |
| F metapostformatted | F notetitle |
| F metapostgraphformat | F ntimes |
| F minute | F number |
| F mixcleanup | F numbers |
| F mixfinalize | F objectnumber |
| F mixflushlist | F objectpage |
| F mixflushrest | F octnumber |
| F mixgetsplit | F octstringtonumber |
| F mixsetsplit | F operatingsystem |
| F mixstate | F ordinal |
| F molecule | F outputfilename |
| F month | F overloadbookmark |
| F monthmnem | F overloaderror |
| F monthname | F pagestaterealpage |
| F mpcolor | F parpos |
| F mpflushliteral | F pdfrotation |
| F mpflushreset | F pdfstartmatrix |
| F mpgettext | F pdfstartmirroring |
| F mpgraphic | F pdfstartrotation |
| F mpoptions | F pdfstartscaling |
| F mprunset | F pdfstopmatrix |
| F mpruntab | F pdfstopmirroring |
| F mprunvar | F pdfstoprotation |
| F mpsetclippath | F pdfstopscaling |

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|---------------------------|--------------------------------|
| F percentageof | F pushregime |
| F pgfxcolorspec | F pushsectionblock |
| F pickupbuffer | F pushstream |
| F pickupmarkedcontent | F rawcharacter |
| F pickuppunctuation | F rawcountervalue |
| F placeparallel | F rawdate |
| F popfloat | F rawsubcountervalue |
| F pophyphenation | F referencepagedetail |
| F popitaliccorrection | F referencepagestate |
| F poplist | F referencerealpage |
| F poppath | F registerattachment |
| F poprandomseed | F registerbackendsymbol |
| F popreferenceprefix | F registerbodyfontsize |
| F popregime | F registerbookmark |
| F popsectionblock | F registerbuttons |
| F postponeotes | F registercolorintent |
| F prefixedconverted | F registeredviewerlayer |
| F presetsymbollist | F registerfigurepattern |
| F presettabulate | F registerfiguresuffix |
| F prevcountervalue | F registerhelp |
| F previoussubcountervalue | F registerhyphenationexception |
| F processbodyfontsizes | F registerhyphenationpattern |
| F processbuffer | F registeritemgroup |
| F processcolorcomponents | F registerlanguagefeatures |
| F processedfile | F registerlinenumbering |
| F processedfiles | F registermaintextcolor |
| F processfile | F registermpyfile |
| F processfilemany | F registernamedlua |
| F processfilenone | F registernamespace |
| F processfileonce | F registerpostponedblock |
| F processjob | F registerrendering |
| F processlist | F registersection |
| F processregister | F registershownsynonym |
| F processsplit | F registerstructureprocessor |
| F processsynonyms | F registersynonym |
| F profilebox | F registerunit |
| F purefontname | F registerusedsynonym |
| F pushfloat | F registeruserdata |
| F pushhyphenation | F relatemarking |
| F pushitaliccorrection | F renderingvar |
| F pushlist | F replacefeature |
| F pushpath | F replacepospxywhd |
| F pushrandomseed | F reportstructure |
| F pushreferenceprefix | F resavefloat |

| | |
|----------------------------|------------------------------|
| F resetcharacteralign | F savenote |
| F resetcounter | F saveobject |
| F reseteffect | F savepagedata |
| F resetfeature | F savepageinjections |
| F resetfontfeature | F saveparallel |
| F resetfontsolution | F savespecificfloat |
| F resetinjector | F savestructureblock |
| F resetitaliccorrection | F savetaggedtwopassdata |
| F resetmapfiles | F savetwopassdata |
| F resetmarking | F savevariable |
| F resetmathattributes | F second |
| F resetmathitalics | F selectstructureblock |
| F resetnullfont | F setactivecatcodes |
| F resetparallel | F setbreakpoints |
| F resetpath | F setcharacteralign |
| F resetprevdepth | F setcharactercasing |
| F resetreference | F setcharactercleaning |
| F resetscript | F setcharacterkerning |
| F resetshownsynonyms | F setcharacterspacing |
| F resetstructureprocessor | F setcharacterstripping |
| F resetsubcounter | F setcloseddocumentaction |
| F resettimer | F setclosepageaction |
| F resettrackers | F setcolormodel |
| F resetusedsynonyms | F setcounter |
| F restartcounter | F setdataset |
| F restartsubcounter | F setdigitsmanipulation |
| F restorecounter | F setdirection |
| F restorecurrentattributes | F setdocumentargument |
| F restorenote | F setdocumentcommandline |
| F reuserandomseed | F setdocumentctxfile |
| F revivefeature | F setdocumentdefaultargument |
| F romannumerals | F setdocumentenvironments |
| F rounded | F setdocumentfilename |
| F runbuffer | F setdocumentfilenames |
| F runcontextjob | F setdocumentmodes |
| F safechar | F setdocumentmodules |
| F savebuffer | F seteffect |
| F savecounter | F setelementuserproperties |
| F savecurrentattributes | F setfigurelookuporder |
| F savedlistnumber | F setfigurepaths |
| F savedlistprefixednumber | F setfirstline |
| F savedlisttitle | F setfontfeature |
| F savefloat | F setfontofid |
| F savemargindata | F setfontsolution |

| | |
|------------------------------|---------------------------|
| F setformat | F setprofile |
| F setformsmethod | F setrandomseed |
| F sethyphenatedurlcharacters | F setrealign |
| F sethyphenationfeatures | F setrealspaces |
| F sethyphenationmethod | F setreferencearguments |
| F setinitial | F setreferenceattribute |
| F setinjector | F setreferenceoperation |
| F setinnerreferencemethod | F setregionbox |
| F setinsertionlocation | F setregionboxtagged |
| F setinterfaceconstant | F setregistermethod |
| F setinterfaceelement | F setreplacements |
| F setinterfacemessage | F setscript |
| F setinterfacemessages | F setsectionblock |
| F setinterfacevariable | F setsectionentry |
| F setinternalreference | F setstructureblockstate |
| F setitaliccorrection | F setstructurelevel |
| F setjavascriptpreamble | F setstructurenumber |
| F setjobcomment | F setsubcounter |
| F setlanguageexceptions | F settagaspect |
| F setlanguagesynonym | F settagcombination |
| F setlettercatcodes | F settagdescription |
| F setmarking | F settagdescriptionsymbol |
| F setmathalphabet | F settagfigure |
| F setmathalternate | F settaggedmetadata |
| F setmathattribute | F settaghighlight |
| F setmathdirection | F settagitem |
| F setmathitalics | F settagitemgroup |
| F setmathstyle | F settaglist |
| F setmpextensions | F settagproperty |
| F setnegative | F settagproperty_b |
| F setnextinternalreference | F settagproperty_n |
| F setnextreferenceorder | F settagregister |
| F setnotestate | F settagsorting |
| F setnotesymbolpage | F settagsynonym |
| F setobject | F settagtablecell |
| F setopendocumentaction | F settagtabulatecell |
| F setopenpageaction | F setupbookmarks |
| F setowncounter | F setupcanvas |
| F setownsubcounter | F setupcharacterspacing |
| F setpagecolormodel | F setupexport |
| F setpagestate | F setupfontexpansion |
| F setpagestaterealpageno | F setupfontprotrusion |
| F setpagetransition | F setupidentity |
| F setparbuilder | F setupinsertion |

| | |
|-------------------------|-----------------------------|
| F setupitaliccorrection | F starttext |
| F setuplinenumbering | F startviewerlayer |
| F setuserinterface | F stopactualtext |
| F setvalidinterfacekeys | F stopchemical |
| F setvisual | F stopcolorset |
| F setvisualfont | F stopcomponent |
| F setvisuallayer | F stopenvironment |
| F setxmpfile | F stopfontsolution |
| F showassignerror | F stopparbuilder |
| F showattributes | F stopproduct |
| F showcounter | F stopproject |
| F showdebuginfo | F stopregime |
| F showdirectives | F stopsectionlevel |
| F showdiscretionaries | F stopstream |
| F showexperiments | F stoptag |
| F showhyphenatedinlist | F stoptext |
| F showhyphenationtrace | F stopviewerlayer |
| F showinjector | F storejavascriptcode |
| F showjustification | F storejavascriptpreamble |
| F showlogcategories | F storenote |
| F showmessage | F storeregister |
| F showtrackers | F strdp |
| F sin | F strhd |
| F sind | F strht |
| F splitfilename | F strip |
| F spotcolorname | F structureautocatcodedget |
| F spotcolorparent | F structurecatcodedget |
| F spotcolorvalue | F structuregivencatcodedget |
| F startactualtext | F structurenumber |
| F startchemical | F structuretitle |
| F startcolorset | F structureuservariable |
| F startcomponent | F structurevariable |
| F startenvironment | F strwd |
| F startfontsolution | F subcountervalue |
| F startparbuilder | F subcountervalues |
| F startproduct | F subsubcountervalues |
| F startproject | F subtractfeature |
| F startregime | F synchronizemarking |
| F startsectionlevel | F synchronizestream |
| F startstream | F synonymmeaning |
| F starttag | F synonymname |
| F starttag_c | F systemlog |
| F starttag_d | F tagmfunctionlab |
| F starttag_u | F tagmfunctiontxt |

| | |
|--------------------------|-------------------------------------|
| F tan | F usetexfile |
| F tand | F usetexfileonce |
| F texdefinition_one | F useurl |
| F texdefinition_two | F usexmlfile |
| F textime | F usexmlfileonce |
| F thefirstcharacter | F usezipfile |
| F theremainingcharacters | F utfchar |
| F tochar | F utfmathclass |
| F transparencycomponents | F utfmathcommand |
| F truefilename | F utfmathcommandabove |
| F type | F utfmathcommandbelow |
| F typebuffer | F utfmathcommandfiller |
| F typefile | F utfmathfiller |
| F uchar | F utfmathstretch |
| F uchexnumber | F vboxlisttohbox |
| F uchexnumbers | F verbose |
| F undefinechemical | F vspacing |
| F unicodechar | F vspacingcollapse |
| F unihex | F vspacingcollapseonly |
| F unit_normal | F vspacingdefine |
| F unit_reverse | F vspacingsetamount |
| F unloadlanguage | F vspacingsnap |
| F upper | F way |
| F useMPLibrary | F weekday |
| F useanyfile | F weekdayname |
| F useanyfileonce | F writestatus |
| F usecldfilename | F x_table_c |
| F usecldfilenameonce | F x_table_cleanup |
| F usecolors | F x_table_construct |
| F usecomponent | F x_table_create |
| F useenvironment | F x_table_finish_row |
| F usefigurebase | F x_table_flush |
| F usefile | F x_table_init_construct |
| F usejavascriptpreamble | F x_table_init_reflow_height |
| F usejavascriptscripts | F x_table_init_reflow_height_option |
| F useluafilename | F x_table_init_reflow_width |
| F useluafilenameonce | F x_table_init_reflow_width_option |
| F useluamodule | F x_table_next_row |
| F usemodules | F x_table_next_row_option |
| F usepath | F x_table_r |
| F useproduct | F x_table_reflow_height |
| F useproject | F x_table_reflow_width |
| F usesubpath | F x_table_set_construct |
| F usesymbols | F x_table_set_reflow_height |

| | |
|----------------------------|---------------------------|
| F x_table_set_reflow_width | F xmlfirst |
| F xmladdindex | F xmlflush |
| F xmlafterdocumentsetup | F xmlflushcontext |
| F xmlaftersetup | F xmlflushdocumentsetups |
| F xmlall | F xmlflushlinewise |
| F xmlappenddocumentsetup | F xmlflushspacewise |
| F xmlappendsetup | F xmlfunction |
| F xmlapplyselectors | F xmlgetindex |
| F xmlatt | F xmlinclude |
| F xmlattdef | F xmlincludeoptions |
| F xmlattribute | F xmlinclusion |
| F xmlattributedef | F xmlinclusions |
| F xmlbadinclusions | F xmlindex |
| F xmlbeforedocumentsetup | F xmlinfo |
| F xmlbeforesetup | F xmlinlineverbatim |
| F xmlchainatt | F xmlinstalldirective |
| F xmlchainattdef | F xmllast |
| F xmlchecknamespace | F xmlload |
| F xmlcommand | F xmlloadbuffer |
| F xmlconcat | F xmlloadadda |
| F xmlconcatrange | F xmlloadaddirectives |
| F xmlcontext | F xmlloadregistered |
| F xmlcount | F xmlmain |
| F xmldelete | F xmlmatch |
| F xmldirect | F xmlname |
| F xmldirectives | F xmlnamespace |
| F xmldirectivesafter | F xmlnonospace |
| F xmldirectivesbefore | F xmlpos |
| F xmldisplayverbatim | F xmlprependdocumentsetup |
| F xmldoif | F xmlprependsetup |
| F xmldoifelse | F xmlraw |
| F xmldoifelseempty | F xmlrefatt |
| F xmldoifelseselfempty | F xmlregisterns |
| F xmldoifelsetext | F xmlremapname |
| F xmldoifempty | F xmlremapnamespace |
| F xmldoifnot | F xmlremovedocumentsetup |
| F xmldoifnotempty | F xmlremovesetup |
| F xmldoifnotselfempty | F xmlresetdocumentsetups |
| F xmldoifnottext | F xmlresetinjectors |
| F xmldoifselfempty | F xmlsave |
| F xmldoiftext | F xmlsetcommandtonone |
| F xmlelement | F xmlsetcommandtotext |
| F xmlfilter | F xmlsetentity |
| F xmlfilterlist | F xmlsetinjectors |

F xmlsetsetup
F xmlsnippet
F xmlstartraw
F xmlstarttiming
F xmlstopraw
F xmlstoptiming
F xmlstrip
F xmlstripanywhere
F xmlstripnolines
F xmlstripped
F xmlstrippednolines
F xmltag
F xmltexentity
F xmltext
F xmltobuffer
F xmltobufferverbose
F xmltofile
F xmltoparameters
F xmlverbatim
F xmlwithindex
F year

| | |
|-------------------------|------------|
| setconstant | function |
| setcount | function |
| setdimen | function |
| setelement | function |
| setformat | function |
| setmacro | function |
| setmessage | function |
| setmessages | function |
| settranslation | function |
| setuserinterface | function |
| setvalidkeys | function |
| setvariable | function |
| showmessage | function |
| storedscanners | data table |
| strings | table |
| syntax | data table |
| tolist | function |
| translations | data table |
| variables | data table |
| writestatus | function |

io (basic lua)

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

jit (context)

| | |
|--------------------|----------|
| arch | string |
| attach | function |
| flush | function |
| off | function |
| on | function |
| opt | table |
| F start | |
| os | string |
| status | function |
| util | table |
| F funcbc | |
| F funcinfo | |
| F funck | |
| F funcuvname | |
| F ircalladdr | |
| F traceexitstub | |
| F traceinfo | |
| F traceir | |
| F tracek | |
| F tracemc | |
| F tracesnap | |
| version | string |
| version_num | number |

job (context)

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

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

lang (basic tex)

| | |
|--------------------------|----------|
| clean | function |
| clear_hyphenation | function |
| clear_patterns | function |
| exceptions | function |
| hyphenate | function |
| hyphenation | function |
| id | function |
| new | function |
| patterns | function |
| postexhyphenchar | function |
| posthyphenchar | function |
| preexhyphenchar | function |
| prehyphenchar | function |

languages (context)

| | | | |
|-----------------------------|------------|---------------------------------|------------|
| associate | function | installed | function |
| associated | data table | labels | table |
| association | function | define | |
| counters | data table | split | |
| current | function | lefthyphenmin | function |
| data | data table | loadable | function |
| define | function | loadwords | function |
| expand | function | logger | table |
| expanders | table | report | |
| frequencies | table | numbers | data table |
| averagecharwidth | | postexhyphenchar | function |
| getdata | function | posthyphenchar | function |
| getnumber | function | preexhyphenchar | function |
| hyphenate | function | prehyphenchar | function |
| hyphenators | table | registered | data table |
| dictionaries | | replacements | table |
| featuresets | | add | |
| handler | | handler | |
| methods | | set | |
| expanded | | rightthyphenmin | function |
| none | | serializediscretionary | function |
| original | | setexceptions | function |
| tex | | setsynonym | function |
| traditional | | showdiscretionaries | function |
| optimize | | unload | function |
| popmethod | | version | number |
| pushmethod | | visualizediscretionaries | function |
| setmethod | | words | table |
| setup | | check | |
| showhyphenationtrace | | data | |
| traditional | | disable | |
| definefeatures | | enable | |
| gettrace | | enablers | |
| hyphenate | | enables | |
| injecthyphens | | found | |
| installmethod | | load | |
| lasttrace | | methods | |
| loadpatterns | | threshold | |
| registerexception | | | |
| registerpattern | | | |

layouts (context)

status table

F isleftpage

F leftorrightpagection

lfs (extra lua)

| | |
|--------------------------|---------------------|
| attributes | overloaded function |
| chdir | overloaded function |
| currentdir | function |
| dir | overloaded function |
| isdir | overloaded function |
| isfile | overloaded function |
| lock | function |
| lock_dir | overloaded function |
| mkdir | overloaded function |
| mkdirs | function |
| readlink | overloaded function |
| rmdir | overloaded function |
| setmode | overloaded function |
| shortname | overloaded function |
| symlinkattributes | overloaded function |
| touch | overloaded function |
| unlock | 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 | finalizepage | function |
| adddocumentcolorspace | function | finishtransparencycode | function |
| adddocumenttextgstate | function | flushobject | function |
| adddocumentpattern | function | flushstreamfileobject | function |
| adddocumentshade | function | flushstreamobject | function |
| addtocatalog | function | formats | data table |
| addtoinfo | function | frompdfdoc | function |
| addtonames | function | fromsixteen | function |
| addtopageattributes | function | gethpos | function |
| addtopageresources | function | getmatrix | function |
| addtopagesattributes | function | getpos | function |
| addxmpinfo | function | getvpos | function |
| annotationspecification | function | graycode | function |
| array | function | hasmatrix | function |
| boolean | function | id | function |
| border | function | injectxmpinfo | function |
| checkedkey | function | insertxmpinfo | function |
| checkedvalue | function | layerreference | function |
| circularshade | function | limited | function |
| cmykcode | function | linearshade | function |
| collectedresources | function | nametree | function |
| color | function | null | function |
| colorspace | function | number | function |
| colorspaceconstants | data table | pagedestinations | data table |
| colorspec | function | pagereference | function |
| colorvalue | function | pagereferences | data table |
| colorvalues | function | pdfcolor | function |
| constant | function | pdftimestamp | function |
| delayedobject | function | protectresources | boolean |
| destinationspecification | function | rectangle | function |
| dictionary | function | reference | function |
| docstring | function | registerannotation | function |
| epdf | table | registerdestination | function |
| F contenttotext | | registerdocumentfinalizer | function |
| F expand | | registerpagefinalizer | function |
| F expanded | | reserveobject | function |
| F getpagecontent | | rgbcode | function |
| F getstructure | | rotationcm | function |
| F load | | shareobject | function |
| F unload | | shareobjectreference | function |
| finalizeddocument | function | spotcode | function |

| | |
|---------------------------|----------|
| stream | function |
| string | function |
| timestamp | function |
| toeight | function |
| topdfdoc | function |
| tosixteen | function |
| transform | function |
| transparency | function |
| transparencycode | function |
| transparencygroups | table |
| B none | |
| transparencyvalue | function |
| unicode | function |
| verbose | function |

lpeg (basic lua)

| | | | |
|------------------------|------------|------------------------------|----------|
| B | function | setmaxstack | function |
| C | function | split | function |
| Carg | function | splitat | function |
| Cb | function | splitter | function |
| Cc | function | stripper | function |
| Cf | function | times | function |
| Cg | function | tsplitat | function |
| Cmt | function | tsplitter | function |
| Cp | function | type | function |
| Cs | function | utfchartabletopattern | function |
| Ct | function | version | function |
| P | function | | |
| R | function | | |
| S | function | | |
| UP | function | | |
| UR | function | | |
| US | function | | |
| V | function | | |
| afterprefix | function | | |
| anywhere | function | | |
| append | function | | |
| balancer | function | | |
| beforesuffix | function | | |
| checkedsplit | function | | |
| counter | function | | |
| endstripper | function | | |
| finder | function | | |
| firstofsplit | function | | |
| frontstripper | function | | |
| instringchecker | function | | |
| is_lpeg | function | | |
| keeper | function | | |
| locale | function | | |
| match | function | | |
| oneof | function | | |
| patterns | data table | | |
| pcode | function | | |
| print | function | | |
| ptree | function | | |
| replacer | function | | |
| secondofsplit | 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 |
| bytedata | data table |
| bytedone | table |
| collectgarbage | function |
| delay | function |
| finalize | function |
| firstbytecode | number |
| flush | function |
| flushdelayed | function |
| get_functions_table | function |
| getbytecode | function |
| getluaname | function |
| lastbytecode | number |
| mask | string |
| messages | data table |
| name | table |
| numbers | data table |
| registercode | function |
| registeredcodes | function |
| registerfinalizer | function |
| registername | function |
| setbytecode | function |
| setluaname | function |
| startupfile | string |
| version | string |

luatex (context)

| | |
|-----------------------------|----------|
| cleanuptempfiles | 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 | info | function |
| context | function | inlineverbatim | function |
| convert | function | installsetup | function |
| count | function | last | function |
| delete | function | load | function |
| direct | function | loadbuffer | function |
| directives | table | loaddata | function |
| F after | | loaded | table |
| F before | | loadregistered | function |
| F handle | | main | function |
| F load | | match | function |
| F setup | | name | function |
| displayverbatim | function | namespace | function |
| doif | function | nonspace | function |
| doifelse | function | pos | function |
| doifelseempty | function | position | function |
| doifsetext | function | raw | function |
| doifempty | function | rawroot | function |
| doifnot | function | refatt | function |
| doifnotempty | function | register | function |
| doifnottext | function | registerentity | function |
| doiftext | function | removesetup | function |
| element | function | resetcdata | function |
| elements | function | resetsetups | function |
| entities | data table | resolvedentity | function |
| filter | function | root | function |
| filterlist | function | save | function |
| first | function | serialize | function |

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

math (basic lua)

| | |
|-----------------------|----------|
| abs | function |
| acos | function |
| asin | function |
| atan | function |
| atan2 | function |
| ceil | function |
| ceiling | function |
| cos | function |
| cosd | function |
| cosh | function |
| deg | function |
| div | function |
| even | function |
| exp | function |
| floor | function |
| fmod | function |
| frexp | function |
| huge | number |
| initialseed | number |
| ldexp | function |
| log | function |
| log10 | function |
| max | function |
| min | function |
| mod | function |
| modf | function |
| odd | function |
| pi | number |
| pow | function |
| rad | function |
| random | function |
| randomseed | function |
| round | function |
| setrandomseedi | function |
| sin | function |
| sind | function |
| sinh | function |
| sqrt | function |
| tan | function |
| tand | function |
| tanh | function |

mathematics (context)

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

mbox (context)

| | |
|----------------------|----------|
| parse | function |
| parse_from | function |
| parse_header | function |
| parse_headers | function |
| parse_message | function |
| split_headers | function |
| split_mbox | function |
| split_message | function |

md5 (extra lua)

| | |
|----------------|----------|
| HEX | function |
| crypt | function |
| dec | function |
| decrypt | function |
| exor | function |
| hex | function |
| sum | function |
| sumhexa | function |

metapost (context)

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

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

| | |
|-------------------------|----------|
| F string | |
| get_outline_text | function |
| graphformat | function |
| n | function |
| numeric | function |
| pair | function |
| path | function |
| print | function |
| quadruple | function |
| quoted | function |
| report | function |
| size | function |
| triplet | function |
| tt_dimensions | function |
| tt_initialize | function |

mplib (extra tex)

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

newtoken (basic tex)

| | |
|---------------------|----------|
| create | function |
| get_next | function |
| is_token | function |
| scan_code | function |
| scan_dimen | function |
| scan_glue | function |
| scan_int | function |
| scan_keyword | function |
| scan_string | function |
| scan_token | function |
| scan_toks | function |
| scan_word | function |
| set_macro | function |
| type | function |

noads (context)

handlers table

- F alternates
- F autofences
- F classes
- F collapse
- F families
- F italics
- F relocate
- F render
- F resize
- F showtree
- F tags
- F unscript
- F variants

process function

processnested function

processors table

- T autofences
- T collapse
- F mlist_to_hlist
- T relocate
- T render
- T resize
- T unscript

processouter function

node (basic tex)

| | | | |
|--------------------------|----------|-------------------------------|----------|
| copy | function | F protect_glyphs | |
| copy_list | function | F protrusion_skippable | |
| count | function | F remove | |
| current_attr | function | F set_attribute | |
| dimensions | function | F set_properties_mode | |
| direct | table | F setbox | |
| F copy | | F setfield | |
| F copy_list | | F setproperty | |
| F count | | F slide | |
| F current_attr | | F tail | |
| F dimensions | | F todirect | |
| F do_ligature_n | | F tonode | |
| F end_of_math | | F toString | |
| F first_glyph | | F traverse | |
| F flush_list | | F traverse_id | |
| F flush_node | | F unprotect_glyphs | |
| F flush_properties_table | | F unset_attribute | |
| F free | | F usedlist | |
| F get_properties_table | | F vpack | |
| F getbox | | F write | |
| F getchar | | do_ligature_n | function |
| F getfield | | end_of_math | function |
| F getfont | | family_font | function |
| F getid | | fields | function |
| F getleader | | first_character | function |
| F getlist | | first_glyph | function |
| F getnext | | flush_list | function |
| F getprev | | flush_node | function |
| F getproperty | | flush_properties_table | function |
| F getsubtype | | free | function |
| F has_attribute | | get_properties_table | function |
| F has_field | | getchar | function |
| F has_glyph | | getfield | function |
| F hpack | | getfont | function |
| F insert_after | | getid | function |
| F insert_before | | getleader | function |
| F is_direct | | getlist | function |
| F is_node | | getnext | function |
| F last_node | | getprev | function |
| F length | | getproperty | function |
| F new | | getsubtype | function |

| | |
|-----------------------------|----------|
| has_attribute | function |
| has_field | function |
| has_glyph | function |
| hpack | function |
| id | function |
| insert_after | function |
| insert_before | function |
| is_node | function |
| kerning | function |
| last_node | function |
| length | function |
| ligaturing | function |
| mlist_to_hlist | function |
| new | function |
| next | function |
| prev | function |
| protect_glyphs | function |
| protrusion_skippable | function |
| remove | function |
| set_attribute | function |
| set_properties_mode | function |
| setfield | function |
| setProperty | function |
| slide | function |
| subtype | function |
| tail | function |
| tostring | function |
| traverse | function |
| traverse_id | function |
| type | function |
| types | function |
| unprotect_glyphs | function |
| unset_attribute | function |
| usedlist | function |
| vpack | function |
| whatsits | function |
| write | function |

nodes (context)

| | | | |
|---------------------------|------------|-------------------------------|------------|
| accentcodes | data table | free_spec | function |
| aligned | function | getattr | function |
| append | function | getattribute | function |
| astable | function | getbox | function |
| basepoints | function | getchar | function |
| builders | table | getfield | function |
| F buildpage_filter | | getfont | function |
| F vpack_filter | | getid | function |
| codes | data table | getleader | function |
| concat | function | getlist | function |
| copy | function | getnext | function |
| copy_list | function | getprev | function |
| copy_spec | function | getskip | function |
| count | function | getsubtype | function |
| current_attr | function | gluecodes | data table |
| delete | function | glyphcodes | data table |
| destinations | table | glyphdir_is_equal | data table |
| N attribute | | glyphdir_is_opposite | data table |
| T done | | glyphdir_is_orthogonal | data table |
| F handler | | gonuts | boolean |
| 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 | |
| do_ligature_n | function | F cleanupbox | |
| end_of_math | function | F cleanuppage | |
| fasthpack | function | F export | |
| fencecodes | data table | F finalize | |
| fields | function | F migrate | |
| fillcodes | data table | F protectglyphs | |
| first_character | function | F stripping | |
| first_glyph | function | F unprotectglyphs | |
| firstcharacter | function | has_attribute | function |
| firstcharinbox | function | has_field | function |
| firstglyph | function | has_glyph | function |
| flush_list | function | hpack | function |
| flush_node | function | idstoring | function |
| free | function | ignorablefields | data table |

| | | | |
|--------------------------------|------------|------------------------|------------|
| injections | table | listtablefields | data table |
| F copy | | listcodes | data table |
| F getligaindex | | listtutf | function |
| F handler | | load | function |
| F installnewkern | | locate | function |
| F keepcounts | | margincodes | data table |
| F reset | | markers | table |
| F resetcounts | | F get | |
| F setcursive | | mathcodes | data table |
| F setkern | | maxboxwidth | function |
| F setligaindex | | mlist_to_hlist | function |
| F setmark | | new | function |
| F setpair | | noadcodes | data table |
| insert_after | function | nodecodes | data table |
| insert_before | function | nopts | function |
| insert_list_after | function | nuts | table |
| installattributehandler | function | F append | |
| is_direct | function | F concat | |
| is_display_math | function | F copy | |
| is_mirrored | data table | F copy_list | |
| is_node | function | F copy_properties | |
| is_nut | function | F count | |
| is_rotated | data table | F current_attr | |
| kerncodes | data table | F delete | |
| kerning | function | F dimensions | |
| keys | table | F do_ligature_n | |
| T whatsit | | F end_of_math | |
| last_node | function | F fasthpack | |
| leftmarginwidth | function | F first_glyph | |
| ligaturing | function | F firstcharacter | |
| lines | table | F firstcharinbox | |
| T boxed | | F firstglyph | |
| F register | | F flush_list | |
| F setup | | F flush_node | |
| F stage_one | | F free | |
| F stage_two | | F getattr | |
| F stage_zero | | F getattribute | |
| D data | | F getbox | |
| F finalize | | F getchar | |
| F number | | F getfield | |
| N scratchbox | | F getfont | |
| link | function | F getid | |
| linked | function | F getleader | |
| list | function | F getlist | |

| | |
|---------------------|------------------------|
| F getnext | F pdfdestination |
| F getprev | F pdfdirect |
| F getprop | F pdfliteral |
| F getskip | F pdfrestore |
| F getsubtype | F pdfsave |
| F has_attribute | F pdfsetmatrix |
| F has_field | F penalty |
| F has_glyph | F register |
| F hpack | F rightmarginkern |
| F insert_after | F rightskip |
| F insert_before | F rule |
| F insert_list_after | F shrink |
| F is_direct | F special |
| F is_display_math | F stretch |
| F is_node | F temp |
| F is_nut | F textdir |
| F kerning | F usage |
| F last_node | T userids |
| F leftmarginwidth | N margins.inline |
| F ligaturing | N property |
| F link | N splitters.one |
| F linked | N splitters.two |
| F locate | F userlist |
| F mlist_to_hlist | F usernumber |
| F nestedtracedslide | F userstring |
| F new | F usertokens |
| T pool | F vlist |
| F baselineskip | F zeroglue |
| F cleanup | F prepend |
| F disc | F protect_glyphs |
| F fontkern | F protrusion_skippable |
| F glue | F reference |
| F gluespec | F remove |
| F glyph | F repackhlist |
| F hlist | F replace |
| F kern | F rightmarginwidth |
| F latelua | F set_attribute |
| F lateluafunction | F setattr |
| F leftmarginkern | F setattrtribute |
| F leftskip | F setattrtributes |
| F lineskip | F setbox |
| F negatedglue | F setfield |
| F noad | F setprop |
| F pdfannotation | F setunsetattributes |

| | | | |
|----------------------------|------------|-------------------------|----------|
| F slide | | T namespace | |
| F somepenalty | | N attribute | |
| F somespace | | D data | |
| F tail | | F enable | |
| F takebox | | F handler | |
| F theprop | | F register | |
| F tonode | | D registered | |
| F tonodes | | D values | |
| F tonut | | F processor | |
| F tosequence | | points | function |
| F tostring | | pool | table |
| F tracedslide | | F baselineskip | |
| F traverse | | F cleanup | |
| F traverse_id | | F glyph | |
| T typesetters | | F kern | |
| F fast_hpack | | F latelua | |
| F hpack | | F lateluafunction | |
| F tohpack | | F lineskip | |
| F tohpackfast | | F pdfdirect | |
| F tonodes | | F pdfliteral | |
| F tovpack | | F pdfrestore | |
| F tovpackfast | | F pdfsave | |
| F vpack | | F pdfsetmatrix | |
| F unprotect_glyphs | | F register | |
| F unset_attribute | | F rule | |
| F unsetattribute | | F special | |
| F unsetattributes | | F usage | |
| F untracedslide | | F usernumber | |
| F usedlist | | prepend | function |
| F vianodes | | print | function |
| F vianuts | | processors | table |
| F vpack | | B enabled | |
| F writable_spec | | F hpack_filter | |
| F write | | F post_linebreak_filter | |
| packlist | function | F pre_linebreak_filter | |
| pardir_is_equal | data table | F tracer | |
| pardir_is_opposite | data table | processwords | function |
| pardir_is_parallel | data table | properties | table |
| partextdir_is_equal | data table | T actions | |
| penaltycodes | data table | F delayed | |
| plugindata | table | F fdelayed | |
| F finalizer | | F immediate | |
| F initializer | | F attach | |
| S name | | T data | |

| | | | |
|-----------------------------|------------|-----------------------------|------------|
| F delayed | | F getsamples | |
| protect_glyphs | function | F resetsamples | |
| protrusion_skippable | function | F takesample | |
| pts | function | somepenalty | function |
| reference | function | somespace | function |
| references | table | stripdiscretionaries | function |
| N attribute | | stripping | table |
| T done | | T glyphs | |
| F handler | | F set | |
| T stack | | striprange | function |
| remove | function | tail | function |
| repackhlist | function | takebox | function |
| replace | function | tasks | table |
| report | function | F actions | |
| rightmarginwidth | function | F appendaction | |
| rules | table | F disableaction | |
| D data | | F disablegroup | |
| F define | | F enableaction | |
| F enable | | F enablegroup | |
| F handler | | F freeze | |
| save | function | F freezegroup | |
| serialize | function | F new | |
| serializebox | function | F prependaction | |
| set_attribute | function | F removeaction | |
| setattr | function | F replaceaction | |
| setattribute | function | F restart | |
| setattributes | function | F setaction | |
| setbox | function | F showactions | |
| setfield | function | F table | |
| setunsetattributes | function | textdir_is_equal | data table |
| shifts | table | textdir_is_is | data table |
| D data | | textdir_is_opposite | data table |
| F define | | textdir_is_parallel | data table |
| F enable | | tobasepoints | function |
| F handler | | tocentimeters | function |
| show | function | tociceros | function |
| showboxes | function | todidots | function |
| showcodes | function | todimen | function |
| showlist | function | toinches | function |
| showsimplelist | function | tomillimeters | function |
| skipcodes | data table | tonewciceros | function |
| slide | function | tonewdidots | function |
| snapshots | table | tonode | function |
| F getparameters | | tonodes | function |

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

number (context)

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

os (basic lua)

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

package (basic lua)

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

pagebuilders (context)

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)

| | |
|---------------------------|---------------------|
| getcatalog | function |
| gethpos | function |
| getinfo | function |
| getmatrix | function |
| getnames | function |
| getpageattributes | function |
| getpageresources | function |
| getpagesattributes | function |
| getpos | function |
| gettrailer | function |
| getvpos | function |
| hasmatrix | function |
| immediateobj | function |
| mapfile | function |
| mapline | function |
| maxobjnum | function |
| obj | function |
| objtype | function |
| pageref | function |
| print | function |
| refobj | function |
| registerannot | overloaded function |
| reserveobj | function |
| setcatalog | overloaded function |
| setinfo | overloaded function |
| setnames | overloaded function |
| setpageattributes | overloaded function |
| setpageresources | overloaded function |
| setpagesattributes | overloaded function |
| settrailer | overloaded function |

pdfscanner (context)

scan function

physics (context)

units table
F registerunit
D tables

profiler (extra lua)

pause function
resume function
start function
stop function

publications (context)

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

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

| | | | |
|----------------------------|----------|---------------------------|----------|
| F fetchentries | | okay | function |
| F filterall | | oneorange | function |
| F flushcombi | | parenttag | function |
| F flushentry | | permitted | function |
| T methods | | refman_to_btx | function |
| F dataset | | resolvedname | function |
| F force | | save | function |
| F global | | search | function |
| F local | | setcategory | function |
| F 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 | |
| F showhashedauthors | |
| F showtables | |
| F showvariants | |
| typesetters | table |
| F author | |
| F string | |
| usedataset | function |
| usedentries | function |
| writers | table |
| F author | |
| F keyword | |
| F pagenumber | |
| F range | |

regimes (context)

| | |
|-------------------|----------|
| cleanup | function |
| disable | function |
| enable | function |
| fromregime | function |
| pop | function |
| process | function |
| push | function |
| toregime | function |
| translate | function |

resolvers (context)

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

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

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

sandbox (context)

| | |
|--------------------------|----------|
| binaryhandler | function |
| disablerunners | function |
| enable | function |
| filehandlerone | function |
| filehandlertwo | function |
| finalizer | function |
| initializer | function |
| iohandler | function |
| logcalls | function |
| logfiles | function |
| original | function |
| overload | function |
| possiblepath | function |
| redefine | function |
| register | function |
| registerbinary | function |
| registerroot | function |
| registerrunner | function |
| report | function |
| run | function |
| runhandler | function |
| setfilenamelogger | function |
| setlogger | function |
| setreporter | function |
| settrace | function |
| validfilename | function |

scripts (context)

autofontfeature table

- F disable
- F enable
- F handler

categorytonumber data table

colors data table

decomposehangul function

defaults table

- N inter_char_half_shrink_factor
- N inter_char_half_stretch_factor
- N inter_char_hangul_penalty
- N inter_char_quarter_shrink_factor
- N inter_char_quarter_stretch_factor
- N inter_char_shrink_factor
- N inter_char_stretch_factor
- N inter_word_stretch_factor

handlers data table

hash table

injectors data table

installdataset function

installmethod function

numbertocategory data table

numbertodataset data table

numbertohandler data table

reset function

set function

splitters data table

set (context)

contains function

create function

tolist function

tonumber function

totable function

socket (extra lua)

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

F getaddrinfo
F gethostname
F getnameinfo
F tohostname
F toip

ftp table

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

gettime function

headers table

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

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

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

http table

N PORT
 N TIMEOUT
 S USERAGENT
 F open
 F request

newtry function
protect function
select function
sink function

sinkt table

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

skip function

sleep function

smtp table

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

source function

sourcet table

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

tcp function

tcp6 function

tp table

N TIMEOUT
 F connect

try function

udp function

udp6 function

url table

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

sorters (context)

basicsorter function

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitoffset

 N ignoredoffset

 N replacementoffset

 T validmethods

 B ch

 B mc

 B mm

 B pc

 B pm

 B uc

 B zc

 B zm

definitions data table

firstofsplit function

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

storage (context)

| | |
|------------------------|------------|
| allocate | function |
| data | table |
| mark | function |
| marked | function |
| max | number |
| min | number |
| nofmodules | number |
| noftables | number |
| register | function |
| shared | data table |
| storedfunctions | data table |
| strip | boolean |
| tofmodules | 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 | sub | function |
| autosingle | function | tformat | function |
| booleanstring | function | toHEX | function |
| byte | function | toboollean | function |
| bytepairs | function | tobytes | function |
| bytes | function | tocontext | function |
| char | function | todec | function |
| characterpairs | function | todimen | function |
| characters | function | tohex | function |
| checkedsplit | function | tonodes | function |
| collapsespaces | function | topattern | function |
| count | function | totable | function |
| dump | function | toutf | function |
| escapedpattern | function | tracedchar | function |
| explode | function | tracedchars | table |
| find | function | unquote | function |
| format | function | unquoted | function |
| formatter | function | upper | function |
| formatters | function | utfcharacters | function |
| fullstrip | function | utfvalues | function |
| gmatch | function | valid | function |
| gsub | function | | |
| is_boolean | function | | |
| is_empty | function | | |
| itself | function | | |
| len | function | | |
| limit | function | | |
| longtostring | function | | |
| lower | function | | |
| match | function | | |
| nspaces | table | | |
| optionalquoted | function | | |
| quote | function | | |
| quoted | function | | |
| rep | function | | |
| replacenewlines | function | | |
| reverse | function | | |
| split | function | | |
| splitlines | function | | |
| splitup | function | | |
| strip | 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 prefix |
| D data | | F prefixlastpage |
| F define | | F prefixpage |
| F first | | F simplify |
| F get | | F title |
| F last | | F touserdata |
| F next | | inserts table |
| F prev | | D data |

| | | | |
|-------------------|--------------|----------------------------|--------------|
| F define | | F savedlistprefixednumber | |
| F getdata | | F savedlisttitle | |
| F getlocation | | D sectionblocks | |
| F getname | | F sectionnumber | |
| F getnumber | | F size | |
| F setlocation | | F title | |
| F setup | | D tobesaved | |
| D stored | | F userdata | |
| | | F uservalue | |
| itemgroups | table | marks | table |
| lists | table | | |
| F addto | | D data | |
| F analyze | | F define | |
| B autoreorder | | F exists | |
| D cached | | F fetch | |
| D collected | | F fetchallmarks | |
| F discard | | F fetched | |
| F enhance | | F fetchonemark | |
| T enhancers | | F fetchtwomarks | |
| F filter | | F get | |
| F formulainumber | | F number | |
| F getresult | | F relate | |
| F groupindex | | F reset | |
| F hasnumberdata | | F set | |
| F haspagedata | | F show | |
| F hastitledata | | F synchronize | |
| F iscached | | F title | |
| D kinds | | T tracers | |
| F label | | F showtable | |
| F location | | notes | table |
| D names | | F checkpagechange | |
| F number | | F define | |
| D ordered | | F doifonsamepageasprevious | |
| F page | | F get | |
| F popnesting | | F getdeltapage | |
| F prefix | | F getn | |
| F prefixednumber | | F getnumberpage | |
| F prefixedpage | | F getstate | |
| F process | | F getsymbolpage | |
| D pushed | | F hascontent | |
| F pushnesting | | F internal | |
| F realpage | | F internalid | |
| F reordered | | F listindex | |
| T result | | F ordered | |
| F savedlistnumber | | F postpone | |

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

table

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

sections

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

table

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

table (basic lua)

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

tex (basic tex)

| | | | |
|-------------------------|------------|------------------------------|------------|
| attribute | table | isdefined | function |
| badness | function | isdimen | function |
| box | table | isskip | function |
| catcode | table | istoken | function |
| conditionals | data table | lccode | table |
| constants | data table | linebreak | function |
| count | table | lists | table |
| ctdcatcodes | number | lua_math_random | function |
| ctxcatcodes | number | lua_math_randomseed | function |
| definefont | function | luacatcodes | number |
| delcode | table | mathcode | table |
| dimen | table | modes | data table |
| directives | data table | nest | table |
| enableprimitives | function | nilcatcodes | number |
| error | function | normal_rand | function |
| extraprimitives | function | notcatcodes | number |
| finish | function | number | function |
| fontidentifier | function | pdffontname | function |
| fontname | function | pdffontobjnum | function |
| fprint | function | pdffontsize | function |
| get | function | pdfpageref | function |
| getattribute | function | pdfxformname | function |
| getbox | function | primitives | function |
| getcatcode | function | print | function |
| getcount | function | prtcatcodes | number |
| getdelcode | function | romannumeral | function |
| getdimen | function | round | function |
| getlccode | function | run | function |
| getlist | function | scale | function |
| getmath | function | set | function |
| getmathcode | function | set_experimental_code | function |
| getnest | function | setattribute | function |
| getsfcode | function | setbox | function |
| getskip | function | setcatcode | function |
| gettoks | function | setcount | function |
| getuccode | function | setdelcode | function |
| hashtokens | function | setdimen | function |
| ifs | data table | setlccode | function |
| inimatcodes | number | setlist | function |
| init_rand | function | setmath | function |
| iscount | function | setmathcode | function |

| | |
|-----------------------|------------|
| setnest | function |
| setsfcode | function |
| setskip | function |
| settoks | function |
| setuccode | function |
| sfcode | table |
| shipout | function |
| show_context | function |
| skip | table |
| sp | function |
| sprint | function |
| systemmodes | data table |
| takebox | function |
| texcatcodes | number |
| toks | table |
| tpacatcodes | number |
| tpbcacodes | number |
| tprint | function |
| trackers | data table |
| txtcatcodes | number |
| type | function |
| uccode | table |
| uniform_rand | function |
| uniformdeviate | function |
| uprint | function |
| vrbcacodes | number |
| write | function |

texconfig (basic tex)

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

texio (basic tex)

`write` function
`write_nl` function

tokens (context)

astable function
bgroup userdata
bits table

N active
N alignment
N begingroup
N character
N close
N comment
N endgroup
N 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
converters table

S toboolean
S todimen
S toglue
S tonumber
S tostring

egroup userdata

getters table

F box
F count
F dimen
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 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 macro

shortcuts table

T bits

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

F other
F pickup
F printlist
F scantable
T setters
 F box
 F count
 F dimen
 F macro
T shortcuts
 N close
 F inspect
 N open
 F report
 F scanboolean
 F scanclose
 F scancode
 F scanconditional
 F scandimen
 F scandimension
 F scaninteger
 F scankeyword
 F scanlist
 F scannumber
 F scanopen
 F scanstring
 F scanword
 F toboolean
 F todimen
 F tonumber
 F tostring
U vbox
U vtop
F tonumber
F tostring
vbox userdata
vtop userdata

tracers (context)

| | |
|------------------|----------|
| count | function |
| cs | function |
| dimen | function |
| knownlist | function |
| lists | table |

T context

T internals

T scratch

| | |
|------------------|----------|
| name | function |
| primitive | function |
| prnterror | function |
| showlines | function |
| strings | table |

S undefined

| | |
|-------------|----------|
| toks | function |
| type | function |

trackers (context)

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

typesetters (context)

alignments table

F handler
F set

breakpoints table

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

cases table

T actions
F handler
F register
F set

characteralign table

F handler
F resetcharacteralign
F setcharacteralign

characters table

F handler
T methods
F replacensp
F replacenspaces

checkers table

F handler
F reset
F set

cleaners table

F handler
F set

digits table

T actions
F handler
F set

directions table

F getfences
F getglobal
F getmethod
F handler

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

firstlines table

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

initials table

T actions
F default
F handler
F set

injectors table

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

italics table

F forcevariant
F handler
F reset
F set

kerns table

D factors
F handler
F keeppligature
B kepttogether
D mapping
F set

manipulators table

F apply
F applyspecification

| | | |
|----------------------|----------|----------------------------|
| T methods | | F cleanup |
| F Word | | F construct |
| F Words | | F create |
| F abbreviatedjournal | | F finish_row |
| F expandedjournal | | F flush |
| F lowercase | | F initialize_construct |
| F stripperperiod | | F initialize_reflow_height |
| F uppercase | | F initialize_reflow_width |
| T patterns | | F next_row |
| U list | | F reflow_height |
| U pair | | F reflow_width |
| F splitspecification | | F set_construct |
| margins | table | F set_reflow_height |
| F finalhandler | | F set_reflow_width |
| F globalhandler | | |
| F ha | | |
| F localhandler | | |
| F save | | |
| marksuspects | function | |
| processors | table | |
| F apply | | |
| F register | | |
| F reset | | |
| F split | | |
| F startapply | | |
| F stopapply | | |
| F stripped | | |
| F tostring | | |
| showsuspects | function | |
| spacings | table | |
| F define | | |
| F handler | | |
| D mapping | | |
| T numbers | | |
| T frenchpunctuation | | |
| T characters | | |
| S name | | |
| N number | | |
| F reset | | |
| F set | | |
| F setup | | |
| wrappers | table | |
| F handler | | |
| xtables | table | |

unicode (extra lua)

ascii table

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

grapheme table

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

latin1 table

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

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

utf8 table

F byte
F char
F characters
F chrln
F count
F dump
F filetype
F find
F format
F gfind
F gmatch
F gsub
F is_valid
F len
F length
F lower
F magic
F match
F remapper
F rep
F replacer
F reverse
F split
F splitlines
F sub
F substituter
F tocodes
F toeight
F toentities
F tostring
F totable
F upper
F ustring

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

url (context)

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

utilities (context)

| | | | |
|-------------------------|-------|--|---------------------------------|
| debugger | table | | B alwaysstripcode |
| F disable | | | F compile |
| F enable | | | F loadedluacode |
| F savestats | | | F loadstripped |
| F showstats | | | N nofstrippedbytes |
| F showtraceback | | | N nofstrippedchunks |
| files | table | | B stripcode |
| F close | | | T strippedchunks |
| F getposition | | | F strippedloadstring |
| F look | | | T suffixes |
| F open | | | S lua |
| F read2dot14 | | | S luc |
| F readbyte | | | S lui |
| F readbytes | | | S luj |
| F readcardinal | | | S luv |
| F readcardinal1 | | | S tma |
| F readcardinal2 | | | S tmc |
| F readcardinal3 | | | S tua |
| F readcardinal4 | | | S tuc |
| F readchar | | | |
| F readfixed4 | | | packers table |
| F readinteger | | | F hashed |
| F readinteger1 | | | F new |
| F readinteger2 | | | F pack |
| F readinteger4 | | | F simplehashed |
| F readstring | | | F strip |
| F readtag | | | F unpack |
| F setposition | | | N version |
| F size | | | parsers table |
| F skip | | | F add_settings_to_array |
| F skiplong | | | F arguments_to_table |
| F skipshort | | | F array_to_string |
| formatters | table | | F csvsplitter |
| F formatcolumns | | | F getparameters |
| F list | | | F groupedsplitat |
| F stripzeros | | | F hash_to_string |
| garbagecollector | table | | F iterator |
| F check | | | F keq_to_hash |
| N criterium | | | F listitem |
| B enabled | | | F make_settings_to_hash_pattern |
| lua | table | | F mergehashes |
| | | | F options_to_array |

| | | | |
|---------------------------------|----------|------------------|-------|
| F options_to_hash | | F enable | |
| T patterns | | F initialize | |
| U settings_to_array | | F list | |
| U settings_to_hash_a | | F new | |
| U settings_to_hash_b | | F register | |
| U settings_to_hash_c | | F report | |
| U unittotex | | F reset | |
| F process_stripped_settings | | F show | |
| F rfc4180splitter | | stacker | table |
| F runtime | | F new | |
| F settings_to_array | | storage | table |
| F settings_to_array_with_repeat | | F allocate | |
| F settings_to_hash | | F checked | |
| F settings_to_hash_strict | | F mark | |
| F settings_to_hash_tolerant | | F marked | |
| F settings_to_set | | F setinitializer | |
| F simple_hash_to_string | | F sparse | |
| F splitmethod | | streams | table |
| F splitthousands | | F close | |
| F stepper | | F getposition | |
| F stripped_settings_to_array | | F look | |
| F unittotex | | F open | |
| F unittotxml | | F read2dot14 | |
| report | function | F readbyte | |
| sequencers | table | F readbytes | |
| F appendaction | | F readcardinal | |
| F appendgroup | | F readcardinal1 | |
| F compile | | F readcardinal2 | |
| F disableaction | | F readcardinal3 | |
| F disablegroup | | F readcardinal4 | |
| F enableaction | | F readchar | |
| F enablegroup | | F readfixed4 | |
| D functions | | F readinteger | |
| F localize | | F readinteger1 | |
| F new | | F readinteger2 | |
| F nodeprocessor | | F readinteger4 | |
| F prependaction | | F readstring | |
| F prependgroup | | F setposition | |
| F removeaction | | F size | |
| F replaceaction | | F skip | |
| F setkind | | F skipbytes | |
| F tostring | | F skiplong | |
| setters | table | F skipshort | |
| F disable | | strings | table |

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

xml (context)

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

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

| | | | |
|---------------------------|----------|----------------------------|----------|
| makestandalone | function | setcomment | function |
| match | function | sethandlersfunction | function |
| name | function | setinjectors | function |
| newhandlers | function | setProperty | function |
| nodesettostring | function | settings | function |
| originalload | function | specialhandler | table |
| package | function | sprint | function |
| parent | function | string | function |
| parsedentitylpeg | userdata | strip | function |
| pihandlers | table | strip_whitespace | function |
| F injector | | stripelement | function |
| placeholders | table | stripleadingspaces | function |
| F unknown_any_entity | | table | function |
| F unknown_dec_entity | | text | function |
| F unknown_hex_entity | | textonly | function |
| position | function | texttocdata | function |
| privatecodes | table | tocdata | function |
| privatetoken | function | toelement | function |
| process | function | tostring | function |
| process_attributes | function | totable | function |
| process_elements | function | toxml | function |
| processattributes | function | tprint | function |
| profiled | table | traverse | function |
| raw | function | unescaped | function |
| registerentity | function | unprivatized | function |
| registers | function | withelement | function |
| reindex | function | withelements | function |
| remap_name | function | wrap | function |
| remap_namespace | function | xmlns | table |
| remap_tag | function | | |
| remapname | function | | |
| remapnamespace | function | | |
| remaptag | function | | |
| renamespace | function | | |
| replace | function | | |
| replace_element | function | | |
| resetinjectors | function | | |
| resolvens | function | | |
| root | function | | |
| save | function | | |
| selection | function | | |
| separate | function | | |
| serialize | function | | |
| setcdata | function | | |

zip (extra lua)

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

zlib (extra lua)

| | |
|----------------------|----------|
| adler32 | function |
| compress | function |
| compressobj | function |
| crc32 | function |
| decompress | function |
| decompressobj | function |
| version | function |