

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
gsubfeatures **gzip** **img** interactions
interfaces **io** jit job **lang** languages
layouts **lfs** libraries lmx logs lpdf **lpeg**
ltn12 **lua** luatex lxml **math** mathematics mbox
md5 metapost **mime** moduledata modules mp
mplib noads **node** nodes number objects **os**
package pagebuilders parametersets **pdf**
pdfscanner physics **profiler** publications
regimes resolvers sandbox scripts set
socket sorters statistics **status** storage
streams **string** structures **table** **tex**
texconfig **texio** thirddata tokens tracers
trackers typesetters **unicode** url userdata
utilities vf visualizers xml **zip** **zlib**

ConT_EXt MkIV

global (alias: _G)

| | | | |
|----------------------|----------|--------------|----------|
| MP | table | floats | table |
| _LUAVERSION | number | font | table |
| _MAJORVERSION | number | fontloader | table |
| _MINORVERSION | number | fonts | table |
| arg | table | frozen | boolean |
| assert | function | functions | table |
| attributes | table | gcinfo | function |
| backends | table | getfenv | function |
| bit | table | getmetatable | function |
| bit32 | table | getpos | function |
| blobs | table | getvpos | function |
| boolean | table | global | table |
| buffers | table | graphics | table |
| builders | table | gsubfeatures | table |
| caches | table | gzip | table |
| callback | table | img | table |
| callbacks | table | inspect | function |
| catcodes | table | interactions | table |
| chained_contextchain | function | interfaces | table |
| characters | table | io | table |
| chemistry | table | ipairs | function |
| collectgarbage | function | jit | table |
| commands | table | job | table |
| containers | table | lang | table |
| context | function | languages | table |
| converters | table | layouts | table |
| coroutine | table | lfs | table |
| ctxrunner | table | libraries | table |
| debug | table | lmx | table |
| dimen | function | load | function |
| dir | table | loadfile | function |
| directives | table | loadstring | function |
| document | table | logs | table |
| documentdata | table | lpdf | table |
| dofile | function | lpeg | table |
| environment | table | ltn12 | table |
| epdf | table | lua | table |
| error | function | luatex | table |
| experiments | table | lxml | table |
| figures | table | m | string |
| file | 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 |
| next | function | table | table |
| noads | table | tex | table |
| node | table | texconfig | table |
| nodes | table | texio | table |
| number | table | thirddata | table |
| objects | table | toboolean | function |
| oldtoken | number | tokens | table |
| optionalrequire | function | tonumber | function |
| os | table | 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 hstogray
- F hstorgb
- F iccprofile
- F isblack
- N main
- S model
- D models
- F mpcolor
- F mpnamedcolor

- F moptions
- 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

F boxresourcedimensions
F registerboxresource
F restoreboxresource

current string

defaults table

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

install function

nodeinjections table

F restore
F save
F transform

nothing function

pdf table

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

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

- F attachfile
- F changestackedlayer
- F cmykcolor
- F comment
- F destination
- F effect
- F graycolor
- F injectbitmap
- F insertmovie
- F insertsound
- F insertswf
- F insertu3d
- F knockout
- F negative
- F overprint
- F positive
- F reference
- F rgbcolor
- F spotcolor
- F startlayer
- F startstackedlayer
- F stoplayer
- F stopstackedlayer
- F transparency
- F typesetfield

- T registrations
 - F cmykindexcolor
 - F cmykspotcolor
 - F getspotcolorreference
 - F grayindexcolor
 - F grayspotcolor
 - F rgbindexcolor
 - F rgbspotcolor
 - F spotcolorname
 - F transparency

- T tables
 - D vfspecials

registrations table

tables table

bit (context)

| | |
|----------------|----------|
| arshift | function |
| 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 |
| tonodes | function |
| tovpack | 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 keptogether
- 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

caches (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 | lower | function |
| AK | function | maxchrs | function |
| Alphabetic | function | minute | function |
| Character | function | month | function |
| Characters | function | nicenumber | function |
| Characters:es | function | nofdays | function |
| I | function | number | function |
| KA | function | numbers | function |
| KR | function | octnumber | function |
| R | function | octstringtonumber | function |
| RK | function | ordinal | function |
| Romannumerals | function | r | function |
| Sloviannumerals | function | rawcharacter | function |
| Spanishnumerals | function | romannumerals | function |
| Word | function | second | function |
| Words | function | sequences | data table |
| a | function | sloviannumerals | function |
| abjadnodotnumerals | function | spanishnumerals | function |
| abjadnumerals | function | textime | function |
| alphabetic | function | toabjad | function |
| character | function | tochinese | function |
| characters | function | toroman | function |
| characters:es | function | uchexnumber | function |
| chineseallnumerals | function | uchexnumbers | function |
| chinesecapnumerals | function | upper | function |
| chinesenumerals | function | verbose | table |
| 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 |
| decimals | function | | |
| define | function | | |
| hexstringtonumber | function | | |
| hour | function | | |
| i | function | | |
| isleapyear | function | | |
| lchexnumber | function | | |
| lchexnumbers | function | | |
| leapyear | 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 |
| makedirs | 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 |
| definefileallback | 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 |
| openMemStream | function |
| type | function |

experiments (context)

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

figures (context)

| | | | |
|-------------------------|------------|-------------------------|------------|
| applyratio | function | F 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 | notprocessed | 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 | set | function |
| identifiers | data table | setlookups | function |
| identify | function | setorder | function |
| images | table | setpaths | function |
| F boxes | | suffixes | data table |
| F check | | used | data table |
| 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 |
| syncmtimes | function |

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 |
| stacked | function |

font (basic tex)

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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 | overloaded function |

fontloader (extra tex)

| | |
|--------------------------|---------------------|
| apply_afmfile | function |
| apply_featurefile | function |
| close | function |
| fields | function |
| fullinfo | function |
| info | overloaded function |
| open | overloaded function |
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| totable | function |

fonts (context)

analyzers table

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| T features |
| 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 |
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| N mark |
| N medi |
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| F clonevector |
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| F aftercopyingcharacters |
| F applymanipulators |
| F assignmathparameters |
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| F collectprocessors |
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| D designsizes |
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| F normal |
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| T expansion | S finalized | |
| S auto | S fontname | |
| S shrink | S format | |
| S step | S fullname | |
| S stretch | S hasitalics | |
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| S factor | S mathitalics | |
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| S mathsize | S name | |
| T protrusion | S noglyphnames | |
| S auto | S nostackmath | |
| S quad | S psname | |
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| T spacing | N noffontsloaded | |
| S extra | N nofsharedfonts | |
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| S width | N privateoffset | |
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| N Hardsigncyrillic |
| N IAcyrillic |
| N IUcyrillic |
| N Icyrillic |
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| N Yatcyrillic | N dalettholamhebrew |
| N Yericyrillic | N daletpatah |
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| N afii00208 | N daletsegolhebrew |
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| N daletthatafpatahhebrew | N finaltsadi |
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| N daletthatafsegolhebrew | N forall |
| N dalethebrew | N fourarabic |
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| N daletthiriqhebrew | N gdot |

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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 |
| N hamzalowkasratanarabic | N kafdagesh |
| N hatafpatah | N kashidaautoarabic |
| N hatafpatah16 | N kashidaautonosidebearingarabic |
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| N hatafpatahnarrowhebrew | N lamedhebrew |
| N hatafpatahquarterhebrew | N lamedholam |
| N hatafqamats | N lamedholamdagesh |
| N hatafqamats1b | N lamedholamdageshhebrew |
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| N hatafqamatshebrew | N lcedilla |
| N hatafqamatsnarrowhebrew | N logicalnotreversed |
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| N hiriq | N nun |
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| N qamatshebrew | N reshhatafsegolhebrew |
| N qamatsnarrowhebrew | N reshhebrew |
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| N qamatsqatannarrowhebrew | N reshhiqiqhebrew |
| N qamatsqatanquarterhebrew | N reshholam |
| N qamatsqatanwidehebrew | N reshholamhebrew |
| N qamatsquarterhebrew | N reshpatah |
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| N qofdagesh | N reshqamats |
| N qofhatafpatah | N reshqamatshebrew |
| N qofhatafpatahhebrew | N reshqubuts |
| N qofhatafsegol | N reshqubutshhebrew |
| N qofhatafsegolhebrew | N reshsegol |
| N qofhebrew | N reshsegolhebrew |
| N qofhiriqiq | N reshsheva |
| N qofhiriqiqhebrew | N reshshevahebrew |
| N qofholam | N reshtsere |
| N qofholamhebrew | N reviahebrew |
| N qofpatah | N samekh |
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| N qofqamatshebrew | N segol13 |
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| N qofsegol | N segolhebrew |
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| N qofsheva | N segolquarterhebrew |
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| defined | function | F MP _{xywhd} |
| doifelsemessage | function | F MP _y |
| elements | data table | F Romannumerals |
| formats | data table | F abjadnodotnumerals |
| getcheckedparameters | function | F abjadnumerals |
| getmessage | function | F addcounter |
| hashedsetups | data table | F addfeature |
| implement | function | F addgrapheme |
| interfacedcommand | function | F addlinklistelement |
| interfaces | table | F addreplacements |
| invalidkey | function | F addtocolumnset |
| message | function | F addtojavascriptpreamble |
| namespaces | table | F addtolist |
| F define | | F addvalidinterfacekeys |
| F list | | F allinputpaths |
| registernamespace | function | F alphabetic |
| scanners | table | F analyzefloatmethod |
| F Alphabetic | | F analyzeitemgroup |
| F Character | | F analyzelist |
| F Characters | | F analyzeregister |
| F MPLIBconvertoutlinetext | | F applytobox |
| F MP _c | | F applytofirstcharacter |
| F MP _d | | F assignbuffer |
| F MP _h | | F autofinishstructurelevels |
| F MP _{ll} | | F autonextspace |
| F MP _{lr} | | F autonextstructurelevel |
| F MP _{ls} | | F autosetups |
| F MP _n | | F autostarttext |
| F MP _p | | F autostoptext |
| F MP _{pardata} | | F averagecharwidth |
| F MP _{plus} | | F bitmapimage |
| F MP _{pos} | | F blockcolumnset |
| F MP _{posset} | | F boxtostring |

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|-----------------------------|--------------------------|
| F bposcolumn | F btxremapauthor |
| F bposcolumnregistered | F btxsavedataset |
| F btxabbreviatedjournal | F btxsavejournallist |
| F btxaddentry | F btxsetdataset |
| F btxaddjournal | F btxsetentry |
| F btxauthor | F btxsetregister |
| F btxauthorfield | F btxsetspecification |
| F btxauthortoregister | F btxsingularorplural |
| F btxcollectlistentries | F btxstoreregister |
| F btxcurrentfirstnames | F btxusedataset |
| F btxcurrentinitials | F btxuservariable |
| F btxcurrentjuniors | F buildtextaccent |
| F btxcurrentsurnames | F character |
| F btxcurrentvons | F characters |
| F btxdetail | F chardescription |
| F btxdirect | F checkcolumnset |
| F btxdoif | F checkcountersetup |
| F btxdoifelse | F checkedconversion |
| F btxdoifelsecombiinlist | F checkedpagefloat |
| F btxdoifelsesameasprevious | F checkinjector |
| F btxdoifelseuservariable | F checkinterfacechain |
| F btxdoifnot | F checktwopassdata |
| F btxexpandedjournal | F chemicalcomponent |
| F btxfetchlistentries | F chinesenumerals |
| F btxfield | F cleanfontname |
| F btxfieldname | F cleanupbox |
| F btxfieldtype | F cleanuplayers |
| F btxfirstofrange | F clonefield |
| F btxflush | F collectfloat |
| F btxflushlistcombi | F collecthelp |
| F btxflushlistentry | F colorcomponents |
| F btxflushmarked | F columnsetcurrentcolumn |
| F btxflushpages | F columnsetgoto |
| F btxfoundname | F columnsetnoto |
| F btxfoundtype | F concatcommalist |
| F btxhandlecite | F consultfloat |
| F btxhandlenocite | F convertbtxdatasettoxml |
| F btxlastofrange | F converteddimen |
| F btxlistvariant | F convertmpstopdf |
| F btxloaddefinitionfile | F copyposition |
| F btxloadjournallist | F cos |
| F btxloadreplacementfile | F cosd |
| F btxoneorrange | F countervalue |
| F btxpreparelistentries | F counttwopassdata |

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|-----------------------------|------------------------------|
| F currentcomponent | F definemultitonecolorglobal |
| F currentdate | F definenamespace |
| F currentdesignsize | F definenote |
| F currentenvironment | F defineparallel |
| F currentposthyphenchar | F defineparbuilder |
| F currentprehyphenchar | F defineprocesscolordummy |
| F currentproduct | F defineprocesscolorglobal |
| F currentproject | F defineprocesscolorlocal |
| F currentreferenceorder | F defineprogram |
| F currentsectiontolist | F definereference |
| F datasetvariable | F defineregister |
| F dayname | F definerule |
| F decimals | F definesectionlevels |
| F decrementcounter | F defineselectfont |
| F decrementedcounter | F defineshift |
| F decrementsubcounter | F definesnapmethod |
| F defineaccents | F definespotcolorglobal |
| F defineattribute | F definestructureblock |
| F definebreakpoint | F definestructureset |
| F definebreakpoints | F definetransparency |
| F definecharacterspacing | F definetwopasslist |
| F definechemical | F definetypeface |
| F definecolumnset | 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 doifcommon |
| F definelabels | F doifcounter |
| F definelanguage | F doifelseblack |
| F definelinkedlist | F doifelsebuffer |
| F definemarking | F doifelsecharinfont |
| F definemetafont | F doifelsecommon |

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|---------------------------------|--------------------------------|
| F doifelsecontinewithfile | F doifelseutfmathbelow |
| F doifelseconverter | F doifelseutfmathfiller |
| F doifelsecounter | F doifelsevisualizer |
| F doifelsecurrentfonthasfeature | F doiffieldsetelse |
| F doifelsedrawingblack | F doifinset |
| F doifelsefieldcategory | F doifnotcommon |
| F doifelsefiledefined | F doifnotcounter |
| F doifelsefileexist | F doifnotecontent |
| F doifelsefirstchar | F doifnoteonsamepageasprevious |
| F doifelsefontpresent | F doifnotinset |
| F doifelseinelement | F doifnotsame |
| F doifelseinputfile | F doifposition |
| F doifelseinset | F doifsame |
| F doifelseintwopassdata | F doprocesstypescriptfile |
| F doifelseleapyear | F doreshapeframedbox |
| F doifselisthasentry | F dosaveposition |
| F doifselisthasnumber | F dosavepositionplus |
| F doifselisthaspage | F dosavepositionwhd |
| F doifselisthastitle | F dosetposition |
| F doifselocfile | F dosetpositionbox |
| F doifselemarking | F dosetpositionplus |
| F doifselmessage | F dosetpositionstrut |
| F doifselobject | F dosetpositionwhd |
| F doifselobjectreference | F dostarttextfile |
| F doifselolderversion | F dostoptextfile |
| F doifseloverlapping | F elapsedtime |
| F doifselparallel | F enableasciimode |
| F doifselparentfile | F enableautofences |
| F doifselpathexist | F enableautofontscript |
| F doifselposition | F enablebackgroundalign |
| F doifselpositiononpage | F enablebackgroundboxes |
| F doifselpositiononsamepage | F enablecolor |
| F doifselpositionsonthispage | F enablecolorintents |
| F doifselpositionsused | F enablecrlf |
| F doifselrangeonpage | F enabledirectives |
| F doifselreference | F enableexperiments |
| F doifselrighttoleftinbox | F enablefontcolorchemes |
| F doifselesame | F enableinteraction |
| F doifselstackedfloats | F enableparbuilder |
| F doifselssynonymshown | F enableregime |
| F doifselssynonymused | F enablerules |
| F doifselseurldefined | F enableshifts |
| F doifselseutfmathabove | F enablespellchecking |
| F doifselseutfmathaccent | F enablestatetriggering |

F enablestream
F enabletrackers
F enabletransparency
F enableutf
F enhancelinkedlist
F enhancelist
F enhancereference
F enhanceregister
F eposcolumn
F eposcolumnregistered
F erasebuffer
F execute
F expandcurrentreference
F exportformdata
F exportreferences
F extendregister
F extensiblecode
F featureattribute
F featurelist
F feedback
F fetchallmarks
F fetchmultipar
F fetchmultishape
F fetchonemark
F fetchposboxes
F fetchtwomarks
F figure_check
F figure_done
F figure_dummy
F figure_identify
F figure_include
F figure_mergegoodies
F figure_pop
F figure_push
F figure_reset
F figure_scale
F figurefilename
F figurefilepath
F figurefiletype
F figurerequest
F figuresetdimensions
F figurestatus
F figureused
F filterdefaultreference

F filterreference
F finalizebox
F findtwopassdata
F finishcolumnsetflush
F finishexport
F firstcountervalue
F firstinset
F firstsubcountervalue
F flushcolumnsetareas
F flushcolumnsetcolumn
F flushcolumnsetrest
F flushfloat
F flushlabeledfloat
F flushnotes
F flushpageinjectionsafter
F flushpageinjectionsbefore
F flushpostponedblocks
F flushpostponednotes
F flushstream
F flushstreamcopy
F fontchar
F fontcharbyindex
F fontcollectionclone
F fontcollectiondefine
F fontcollectionprepare
F fontcollectionregister
F fontcollectionreport
F fontcollectionreset
F fontlookupgetkey
F fontlookupgetkeyofindex
F fontlookupinitialize
F fontlookupnoffound
F forceendjob
F forcequitjob
F formatcolor
F formatgray
F from
F getbidimode
F getbodyfontsizes
F getbuffer
F getbuffercxtlua
F getbuffermkvi
F getcheckedinterfaceparameters
F getcurrentprefixspec

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|-------------------------------|------------------------------|
| F getcurrentreferencemetadata | F helpreference |
| F getdefaultfieldvalue | F hexstringtonumber |
| F getdocumentargument | F horizontalcode |
| F getdocumentfilename | F hour |
| F getelementtag | F hyphenatedlist |
| F getfieldcategory | F hyphenatedurl |
| F getfile | F immediatemessage |
| F getfirstcharacter | F incrementcounter |
| F getfirsttwopassdata | F incrementedcounter |
| F getfloatvariable | F incrementsubcounter |
| F getfullstructurenumber | F initializejob |
| F getinternallistreference | F initializemathdomain |
| F getlasttwopassdata | F initializemathitalics |
| F getmarking | F initializestream |
| F getmathdomain | F initializetexdirectives |
| F getmathitalics | F initializetextrackers |
| F getmessage | F injectcurrentreference |
| F getmpextensions | F injectcurrentreferencehtdp |
| F getmprandomnumber | F injectreference |
| F getnaturaldimensions | F inlinechemical |
| F getnotestate | F inputfilebarename |
| F getobjectdimensions | F inputfilename |
| F getobjectreference | F inputfilerealsuffix |
| F getobjectreferencepage | F inputfilesuffix |
| F getprivatechar | F insertattachment |
| F getprogram | F insertcomment |
| F getrandomdimen | F insertfield |
| F getrandomfloat | F insertionnumber |
| F getrandomnumber | F insertrenderingwindow |
| F getrandomseed | F installedlanguages |
| F getreadfilename | F installtexdirective |
| F getsomefullstructurenumber | F installtextracker |
| F getsomestructurenumber | F jobfilename |
| F getspecificstructuretitle | F jobfilesuffix |
| F getstructurelevel | F languagenumber |
| F getstructurenumber | F lastcountervalue |
| F getsubstring | F lastsubcountervalue |
| F gettexbuffer | F lchexnumber |
| F gettwopassdata | F lchexnumbers |
| F gettwopassdatalist | F leapyear |
| F geturl | F linenumbersstageone |
| F getvisual | F linenumbersstagetwo |
| F hboxtovbox | F listgroupindex |
| F helpaction | F listlabel |

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|------------------------------|------------------------------|
| F listlocation | F message |
| F listnamespaces | F metapostescaped |
| F listprefixednumber | F metapostformatted |
| F listprefixedpage | F metapostgraphformat |
| F listrealpage | F minute |
| F listsize | F mixcleanup |
| F listtitle | F mixfinalize |
| F listuserdata | F mixflushlist |
| F loadexamodes | F mixflushrest |
| F loadfontgoodies | F mixgetsplit |
| F loadluamodule | F mixsetsplit |
| F loadmapfile | F mixstate |
| F loadmapline | F molecule |
| F loadspellchecklist | F month |
| F loadtypescriptfile | F monthnmn |
| F loadvisualizer | F monthname |
| F locatefilepath | F mpcolor |
| F locfilename | F mpflushliteral |
| F lower | F mpflushreset |
| F lpdf_adddocumentcolorspace | F mpgettext |
| F lpdf_adddocumenttextgstate | F mpgraphic |
| F lpdf_adddocumentpattern | F mpoptions |
| F lpdf_adddocumentshade | F mprunset |
| F lpdf_addtocatalog | F mpruntab |
| F lpdf_addtoinfo | F mprunvar |
| F lpdf_addtonames | F mpsetclippath |
| F lpdf_addtopageattributes | F mpsetoutercolor |
| F lpdf_addtopageresources | F mpsetsxsy |
| F lpdf_addtopagesattributes | 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 naturalwd |
| F markingtitle | F nbfs |
| F markinjector | F nextcountervalue |
| F markregionbox | F nextparallel |
| F markregionboxcorrected | F nextsubcountervalue |
| F markregionboxtagged | F nofdays |
| F markvisualfonts | F nofstackedfloats |
| F mathfraction | F notedeltapage |
| F mathrenderset | F notelistindex |

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|-------------------------|---------------------------|
| F notenumberpage | F presettabulate |
| F noteprefixednumber | F prevcountervalue |
| F notesymbolpage | F previoussubcountervalue |
| F notetitle | F processbodyfontsizes |
| F ntimes | F processbuffer |
| F number | F processcolorcomponents |
| F numbers | F processedfile |
| F octnumber | F processedfiles |
| F octstringtonumber | F processfile |
| F operatingsystem | F processfilemany |
| F ordinal | F processfilenone |
| F outputfilename | F processfileonce |
| F overloadbookmark | F processjob |
| F overloaderror | F processlist |
| F pagestaterealpage | F processregister |
| F parpos | F processsplit |
| F pdfrotation | F processsynonyms |
| F pdfstartmatrix | F profilebox |
| F pdfstartmirroring | F purefontname |
| F pdfstartrotation | F pushfloat |
| F pdfstartscaling | F pushhyphenation |
| F pdfstopmatrix | F pushitaliccorrection |
| F pdfstopmirroring | F pushlist |
| F pdfstoprotation | F pushpath |
| F pdfstopscaling | F pushrandomseed |
| F percentageof | F pushreferenceprefix |
| F pgfxcolorspec | F pushregime |
| F pickupbuffer | F pushsectionblock |
| F pickupmarkedcontent | F pushstream |
| F pickuppunctuation | F putincolumnset |
| F placeparallel | F rawcharacter |
| F popfloat | F rawcountervalue |
| F pophyphenation | F rawdate |
| F popitaliccorrection | F rawsubcountervalue |
| F poplist | F referencepagedetail |
| F poppath | F referencepagestate |
| F poprandomseed | F referencerealpage |
| F popreferenceprefix | F registerattachment |
| F popregime | F registerbackendsymbol |
| F popsectionblock | F registerbodyfontsize |
| F postponeotes | F registerbookmark |
| F prefixedconverted | F registerbuttons |
| F preparecolumnsetflush | F registercolorintent |
| F presetsymbollist | F registercolumnsetarea |

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|--------------------------------|----------------------------|
| F registeredviewerlayer | F resetparallel |
| F registerfigurepattern | F resetpath |
| F registerfiguresuffix | F resetprevdepth |
| F registerhelp | F resetreference |
| F registerhyphenationexception | F resetscript |
| F registerhyphenationpattern | F resetshownsynonyms |
| F registeritemgroup | F resetstructureprocessor |
| F registerlanguagefeatures | F resetsubcounter |
| F registerlinenumbering | F resettimer |
| F registermaintextcolor | F resettrackers |
| F registermpyfile | F resetusedsynonyms |
| F registernamedlua | F restartcounter |
| F registernamespace | F restartsubcounter |
| F registerobject | F restorecounter |
| F registerpostponedblock | F restorecurrentattributes |
| F registerreferencedobject | F restorenote |
| F registerrendering | F restoreobject |
| F registersection | F reuserandomseed |
| F registershownsynonym | F revivefeature |
| F registerstructureprocessor | F romannumerals |
| F registersynonym | F rounded |
| F registerunit | F runbuffer |
| F registerusedsynonym | F runcontextjob |
| F registeruserdata | F safechar |
| F relatemarking | F savebuffer |
| F renderingvar | F savecounter |
| F replacefeature | F savecurrentattributes |
| F replacepospxywhd | F savedlistnumber |
| F reportstructure | F savedlistprefixednumber |
| F resavefloat | F savedlisttitle |
| F resetcharacteralign | F savefloat |
| F resetcolumnset | F savemargindata |
| F resetcounter | F savenote |
| 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 |

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|------------------------------|----------------------------|
| F setbreakpoints | F setinitialsectionblock |
| F setcharacteralign | F setinjector |
| F setcharactercasing | F setinnerreferencemethod |
| F setcharactercleaning | F setinsertionlocation |
| F setcharacterkerning | F setinterfaceconstant |
| F setcharacterspacing | F setinterfaceelement |
| F setcharacterstripping | F setinterfacemessage |
| F setcloseddocumentaction | F setinterfacemessages |
| F setclosepageaction | F setinterfacevariable |
| F setcolormodel | F setinternalreference |
| F setcolumnsetarea | F setitaliccorrection |
| F setcolumnsetlines | F setjavascriptpreamble |
| F setcolumnsetproperties | F setjobcomment |
| F setcolumnsetstart | F setlanguageexceptions |
| F setcounter | F setlanguagesynonym |
| F setdataset | F setlettercatcodes |
| F setdigitsmanipulation | F setmarking |
| F setdirection | F setmathalphabet |
| F setdocumentargument | F setmathalternate |
| F setdocumentcommandline | F setmathattribute |
| F setdocumentctxfile | F setmathdirection |
| F setdocumentdefaultargument | F setmathdomain |
| F setdocumentenvironments | F setmathitalics |
| F setdocumentfilename | F setmathstyle |
| F setdocumentfilenames | F setmpextensions |
| F setdocumentmodes | F setnegative |
| F setdocumentmodules | F setnextinternalreference |
| F seteffect | F setnextreferenceorder |
| F setelementuserproperties | F setnotestate |
| F setfieldcalculationset | F setnotesymbolpage |
| F setfigurelookuporder | F setopendocumentaction |
| F setfigurepaths | F setopenpageaction |
| F setfirstline | F setowncounter |
| F setfontfeature | F setownsubcounter |
| F setfontofid | F setpagecolormodel |
| F setfontsolution | F setpagestate |
| F setformat | F setpagestaterealpageno |
| F setformsmethod | F setpagetransition |
| F sethsizecolumnset | F setparbuilder |
| F sethsizecolumnspan | F setprofile |
| F sethyphenatedurlcharacters | F setrandomseed |
| F sethyphenationfeatures | F setrealign |
| F sethyphenationmethod | F setrealspaces |
| F setinitial | F setreferencearguments |

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|--------------------------|-------------------------|
| F setreferenceattribute | F setvalidinterfacekeys |
| F setreferenceoperation | F setvisual |
| F setregionbox | F setvisualfont |
| F setregionboxtagged | F setvisualalllayer |
| F setregistermethod | F setvsizecolumnset |
| F setreplacements | F setxmpfile |
| F setscript | F showassignerror |
| F setsectionblock | F showattributes |
| F setsectionentry | F showcounter |
| F setstructureblockstate | F showdebuginfo |
| F setstructurelevel | F showdirectives |
| F setstructurenumber | F showdiscretionaries |
| F setsubcounter | F showexperiments |
| F settagaspect | F showhyphenatedinlist |
| F settagcombination | F showhyphenationtrace |
| F settagdelimitedsymbol | F showinjector |
| F settagfigure | F showjustification |
| F settaggedmetadata | F showlogcategories |
| F settaghighlight | F showmessage |
| F settagitem | F showtrackers |
| F settagitemgroup | F sin |
| F settaglist | F sind |
| F settagnotation | F splitfilename |
| F settagnotationsymbol | F spotcolorname |
| F settagproperty | F spotcolorparent |
| F settagproperty_b | F spotcolorvalue |
| F settagproperty_n | F startactualtext |
| F settagregister | F startchemical |
| F settagsorting | F startcolorset |
| F settagssentencesymbol | F startcomponent |
| F settagssynonym | F startenvironment |
| F settagtablecell | F startfontsolution |
| F settagtabulatecell | F startparbuilder |
| F setupbookmarks | F startproduct |
| F setupcanvas | F startproject |
| F setupcharacterspacing | F startregime |
| F setupexport | F startsectionlevel |
| F setupfontexpansion | F startstream |
| F setupfontprotrusion | F starttag |
| F setupidentity | F starttag_c |
| F setupinsertion | F starttag_d |
| F setupitaliccorrection | F starttag_u |
| F setuplinenumbers | F starttext |
| F setuserinterface | F startviewerlayer |

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|-----------------------------|--------------------------|
| F stopactualtext | F texdefinition_one |
| F stopchemical | F texdefinition_two |
| F stopcolorset | F textime |
| F stopcomponent | F thefirstcharacter |
| F stopenvironment | F themaxboxwidth |
| F stopfontsolution | F theremainingcharacters |
| F stopparbuilder | F tochar |
| F stopproduct | F transparencycomponents |
| F stopproject | F triggerpagebuilder |
| F stopregime | F truefilename |
| F stopsectionlevel | F type |
| F stopstream | F typebuffer |
| F stoptag | F typefile |
| F stoptext | F uchar |
| F stopviewerlayer | F uchexnumber |
| F storejavascriptcode | F uchexnumbers |
| F storejavascriptpreamble | F undefinechemical |
| F storenote | F unicodechar |
| F storeregister | F unihex |
| F strdp | F unit_normal |
| F strhd | F unit_reverse |
| F strht | F unloadlanguage |
| F strip | F upper |
| F structureautocatcodedget | F useMPLibrary |
| F structurecatcodedget | F useanyfile |
| F structuregivencatcodedget | F useanyfileonce |
| F structurenumber | F usecldfilename |
| F structuretitle | F usecldfilenameonce |
| F structureuservariable | F usecolors |
| F structurevariable | F usecomponent |
| F strwd | F useenvironment |
| F subcountervalue | F usefigurebase |
| F subcountervalues | F usefile |
| F subsubcountervalues | F usejavascriptpreamble |
| F subtractfeature | F usejavascriptscripts |
| F synchronizemarking | F useluafilename |
| F synchronizestream | F useluafilenameonce |
| F synonymmeaning | F useluamodule |
| F synonymname | F usemodules |
| F systemlog | F usepath |
| F tagmfunctionlab | F useproduct |
| F tagmfunctiontxt | F useproject |
| F tan | F usesubpath |
| F tand | F usesymbols |

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|-------------------------------------|----------------------------|
| F usetexfile | F x_table_set_reflow_width |
| F usetexfileonce | F xmladdindex |
| F useurl | F xmlaftersetup |
| F usexmlfile | F xmlall |
| F usexmlfileonce | F xmlappendsetup |
| F usezipfile | F xmlapplyselectors |
| F utfchar | F xmlatt |
| F utfmathclass | F xmlattdef |
| F utfmathcommand | F xmlattribute |
| F utfmathcommandabove | F xmlattributedef |
| F utfmathcommandbelow | F xmlbadinclusions |
| F utfmathcommandfiller | F xmlbeforesetup |
| F utfmathfiller | F xmlchainatt |
| F utfmathstretch | F xmlchainattdef |
| F vboxlisttohbox | F xmlchecknamespace |
| F verbose | F xmlcommand |
| F vspacing | F xmlconcat |
| F vspacingcollapse | F xmlconcatrange |
| F vspacingcollapseonly | F xmlcontext |
| F vspacingdefine | F xmlcount |
| F vspacingsetamount | F xmldelete |
| F vspacingsnap | F xmldirect |
| F way | F xmldirectives |
| F weekday | F xmldirectivesafter |
| F weekdayname | F xmldirectivesbefore |
| F writestatus | F xmldisplayverbatim |
| F x_table_c | F xmldoif |
| F x_table_cleanup | F xmldoifelse |
| F x_table_construct | F xmldoifelseempty |
| F x_table_create | F xmldoifelseselfempty |
| F x_table_finish_row | F xmldoifelsetext |
| F x_table_flush | F xmldoifempty |
| F x_table_init_construct | F xmldoifnot |
| F x_table_init_reflow_height | F xmldoifnotempty |
| F x_table_init_reflow_height_option | F xmldoifnotselfempty |
| F x_table_init_reflow_width | F xmldoifnottext |
| F x_table_init_reflow_width_option | F xmldoifselfempty |
| F x_table_next_row | F xmldoiftext |
| F x_table_next_row_option | F xmlelement |
| F x_table_r | F xmlfilter |
| F x_table_reflow_height | F xmlfilterlist |
| F x_table_reflow_width | F xmlfirst |
| F x_table_set_construct | F xmlflush |
| F x_table_set_reflow_height | F xmlflushcontext |

F xmlflushlinewise
 F xmlflushsetups
 F xmlflushspacewise
 F xmlfunction
 F xmlgetindex
 F xmlinclude
 F xmlincludeoptions
 F xmlinclusion
 F xmlinclusions
 F xmlindex
 F xmlinlineverbatim
 F xmlinstalldirective
 F xmllast
 F xmllastatt
 F xmllastmatch
 F xmlload
 F xmlloadbuffer
 F xmlloaddata
 F xmlloaddirectives
 F xmlloadentities
 F xmlmain
 F xmlmatch
 F xmlname
 F xmlnamespace
 F xmlnonspace
 F xmlpath
 F xmlpos
 F xmlprependsetup
 F xmlraw
 F xmlrawtex
 F xmlrefatt
 F xmlregisters
 F xmlreapname
 F xmlreapnamespace
 F xmlremovesetup
 F xmlresetinjectors
 F xmlresetsetups
 F xmlsave
 F xmlsetcommandtonone
 F xmlsetcommandtotext
 F xmlsetentity
 F xmlsetinjectors
 F xmlsetsetup
 F xmlsnippet

F xmlstartraw
 F xmlstarttiming
 F xmlstopraw
 F xmlstoptiming
 F xmlstrip
 F xmlstripanywhere
 F xmlstripnolines
 F xmlstripped
 F xmlstrippednolines
 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 |
| 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 |
| gethjcode | function |
| hyphenate | function |
| hyphenation | function |
| hyphenationmin | function |
| id | function |
| new | function |
| patterns | function |
| postexhyphenchar | function |
| posthyphenchar | function |
| preexhyphenchar | function |
| prehyphenchar | function |
| sethjcode | function |

languages (context)

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

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 | finalizedocument | function |
| adddocumentcolorspace | function | finalizepage | function |
| adddocumenttextgstate | function | finishtransparencycode | function |
| adddocumentpattern | function | flushobject | function |
| adddocumentshade | function | flushstreamfileobject | function |
| addtocatalog | function | flushstreamobject | function |
| addtoinfo | function | formats | data table |
| addtonames | function | frompdfdoc | function |
| addtopageattributes | function | fromsixteen | function |
| addtopageresources | function | gethpos | function |
| addtopagesattributes | function | getmatrix | function |
| addtxmpinfo | function | getpos | function |
| annotationspecification | function | getvpos | function |
| array | function | graycode | function |
| boolean | function | hasmatrix | function |
| border | function | id | function |
| checkedkey | function | injecttxmpinfo | function |
| checkedvalue | function | inserttxmpinfo | function |
| circularshade | function | layerreference | function |
| cmykcode | function | limited | function |
| collectedresources | function | linearshade | function |
| color | function | nametree | function |
| colorspace | function | null | function |
| colorspaceconstants | data table | number | function |
| colorspec | function | pagedestinations | data table |
| colorvalue | function | pagereference | function |
| colorvalues | function | pagereferences | data table |
| constant | function | pdfcolor | function |
| delayedobject | function | pdftimestamp | function |
| destinationspecification | function | protectresources | boolean |
| dictionary | function | rectangle | function |
| docstring | function | reference | function |
| epdf | table | registerannotation | function |
| F contenttotext | | registerdestination | function |
| F expand | | registerdocumentfinalizer | function |
| F expanded | | registerpagefinalizer | function |
| F getpagecontent | | reserveobject | function |
| F getstructure | | rgbcode | function |
| F load | | rotationcm | function |
| F unload | | shareobject | function |
| escaped | function | shareobjectreference | 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 |
| B page-cst | |
| 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 | inlineverbatimim | function |
| context | function | installsetup | function |
| convert | function | last | function |
| count | function | lastatt | function |
| delete | function | lastmatch | function |
| direct | function | load | function |
| directives | table | loadbuffer | function |
| F after | | loaddata | function |
| F before | | loaded | table |
| F handle | | main | function |
| F load | | match | function |
| F setup | | name | function |
| displayverbatimim | function | namespace | function |
| doif | function | nonspace | function |
| doifelse | function | path | function |
| doifelseempty | function | pos | function |
| doifelsetext | function | position | function |
| doifempty | function | raw | function |
| doifnot | function | rawroot | function |
| doifnotempty | function | rawtex | function |
| doifnottext | function | refatt | function |
| doiftext | function | register | function |
| element | function | registerentity | function |
| elements | function | removesetup | function |
| entities | data table | resetcdata | function |
| filter | function | resetsetups | function |
| filterlist | function | resolvedentity | function |
| first | function | root | function |

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

mbox (context)

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

md5 (extra lua)

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

metapost (context)

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

| | |
|----------------------|----------|
| setoutercolor | function |
| 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 |

noads (context)

handlers table

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

process function

processnested function

processors table

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

processouter function

node (basic tex)

| | | | |
|--------------------------|----------|------------------------|----------|
| copy | function | F is_direct | |
| copy_list | function | F is_node | |
| count | function | F kerning | |
| current_attr | function | F last_node | |
| dimensions | function | F length | |
| direct | table | F ligaturing | |
| F copy | | F new | |
| F copy_list | | F protect_glyph | |
| F count | | F protect_glyphs | |
| F current_attr | | F protrusion_skippable | |
| F dimensions | | F remove | |
| F do_ligature_n | | F set_attribute | |
| F effective_glue | | F set_properties_mode | |
| F end_of_math | | F setboth | |
| F first_glyph | | F setbox | |
| F flush_list | | F setchar | |
| F flush_node | | F setdisc | |
| F flush_properties_table | | F setfield | |
| F free | | F setleader | |
| F get_attribute | | F setlink | |
| F get_properties_table | | F setlist | |
| F getboth | | F setnext | |
| F getbox | | F setprev | |
| F getchar | | F setproperty | |
| F getdisc | | F setsubtype | |
| F getfield | | F slide | |
| F getfont | | F tail | |
| F getid | | F todirect | |
| F getleader | | F tonode | |
| F getlist | | F toString | |
| F getnext | | F traverse | |
| F getprev | | F traverse_char | |
| F getproperty | | F traverse_id | |
| F getsubtype | | F unprotect_glyphs | |
| F has_attribute | | F unset_attribute | |
| F has_field | | F usedlist | |
| F has_glyph | | F vpack | |
| F hpack | | F write | |
| F insert_after | | do_ligature_n | function |
| F insert_before | | effective_glue | function |
| F is_char | | end_of_math | function |

| | | | |
|-------------------------------|----------|-------------------------|----------|
| family_font | function | setfield | function |
| fields | function | setProperty | function |
| first_glyph | function | slide | function |
| flush_list | function | subtype | function |
| flush_node | function | subtypes | function |
| flush_properties_table | function | tail | function |
| free | function | tostring | function |
| get_attribute | function | traverse | function |
| get_properties_table | function | traverse_char | function |
| getboth | function | traverse_id | function |
| getchar | function | type | function |
| getdisc | function | types | function |
| getfield | function | unprotect_glyphs | function |
| getfont | function | unset_attribute | function |
| getid | function | usedlist | function |
| getleader | function | vpack | function |
| getlist | function | whatsits | function |
| getnext | function | write | function |
| getprev | function | | |
| getproperty | function | | |
| getsubtype | function | | |
| has_attribute | function | | |
| has_field | function | | |
| has_glyph | function | | |
| hpack | function | | |
| id | function | | |
| insert_after | function | | |
| insert_before | function | | |
| is_char | function | | |
| is_node | function | | |
| kerning | function | | |
| last_node | function | | |
| length | function | | |
| ligaturing | function | | |
| mlist_to_hlist | function | | |
| new | function | | |
| next | function | | |
| prev | function | | |
| protect_glyph | function | | |
| protect_glyphs | function | | |
| protrusion_skippable | function | | |
| remove | function | | |
| set_attribute | function | | |
| set_properties_mode | function | | |

nodes (context)

| | | | |
|---------------------------|------------|-------------------------------|------------|
| accentcodes | data table | free_spec | function |
| aligned | function | fullhpack | function |
| append | function | getattr | function |
| astable | function | getattribute | function |
| basepoints | function | getbox | function |
| builders | table | getchar | function |
| F buildpage_filter | | getfield | function |
| F vpack_filter | | getfont | function |
| codes | data table | getid | function |
| concat | function | getleader | function |
| copy | function | getlist | function |
| copy_list | function | getnext | function |
| copy_spec | function | getprev | function |
| count | function | getskip | function |
| current_attr | function | getsubtype | function |
| delete | function | gluecodes | data table |
| destinations | table | glyphcodes | data table |
| N attribute | | glyphdir_is_equal | data table |
| T done | | glyphdir_is_opposite | data table |
| F handler | | glyphdir_is_orthogonal | data table |
| T stack | | handlers | table |
| dimensionfields | data table | F accessibility | |
| dimensions | function | F alignbackgrounds | |
| dir_is_pop | data table | F backgrounds | |
| dir_negation | data table | F characters | |
| disccodes | data table | F checkforleaks | |
| discretionarycodes | data table | F checkglyphs | |
| do_ligature_n | function | F cleanupbox | |
| effective_glue | function | F cleanuppage | |
| end_of_math | function | F export | |
| fencecodes | data table | F finalize | |
| fields | function | F migrate | |
| fillcodes | data table | F protectglyphs | |
| first_glyph | function | F stripping | |
| firstcharacter | function | F unprotectglyphs | |
| firstcharinbox | function | has_attribute | function |
| firstdirinbox | 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 | | marginkerncodes | data table |
| F resetcounts | | markers | table |
| F setcursive | | F get | |
| F setkern | | mathcodes | data table |
| F setligaindex | | maxboxwidth | function |
| F setmark | | mlist_to_hlist | function |
| F setpair | | new | function |
| insert_after | function | noadcodes | data table |
| insert_before | function | nodecodes | data table |
| insert_list_after | function | nopts | function |
| installattributehandler | function | nuts | table |
| is_direct | function | F append | |
| is_display_math | function | F concat | |
| is_mirrored | data table | F copy | |
| is_node | function | F copy_list | |
| is_nut | function | F copy_properties | |
| is_rotated | data table | F count | |
| kerncodes | data table | F current_attr | |
| kerning | function | F delete | |
| keys | table | F dimensions | |
| T whatsit | | F do_ligature_n | |
| last_node | function | F effective_glue | |
| leadercodes | data table | F end_of_math | |
| 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 fullhpack | |
| D data | | F getattr | |
| F finalize | | F getattribute | |
| F number | | F getboth | |
| N scratchbox | | F getbox | |
| link | function | F getchar | |
| linked | function | F getdisc | |
| list | function | F getfield | |

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

F rightmarginwidth
 F set_attribute
 F setattr
 F setattribute
 F setattributes
 F setboth
 F setbox
 F setchar
 F setdisc
 F setfield
 F setleader
 F setlink
 F setlist
 F setnext
 F setprev
 F setprop
 F setsubtype
 F setunsetattributes
 F setvisual
 F slide
 F somepenalty
 F somespace
 F splitbox
 F tail
 F takebox
 F takelist
 F theprop
 F tonode
 F tonodes
 F tonut
 F tosequence
 F toString
 F tracedslide
 F traverse
 F traverse_char
 F traverse_id
 T typesetters
 F tohbox
 F tohpack
 F tonodes
 F tovbox
 F tovpack
 F unprotect_glyphs
 F unset_attribute

F unsetattribute
 F unsetattributes
 F untracedslide
 F usedlist
 F vianodes
 F vianuts
 F vpack
 F writetable_spec
 F write

packlist
pardir_is_equal
pardir_is_opposite
pardir_is_parallel
partextdir_is_equal
penaltycodes
plugindata

F finalizer
 F initializer
 S name
 T namespace
 N attribute
 D data
 F enable
 F handler
 F register
 D registered
 D values
 F processor

points
pool

F baselineskip
 F cleanup
 F glyph
 F kern
 F latelua
 F lateluafunction
 F lineskip
 F pdfdirect
 F pdfliteral
 F pdfrestore
 F pdfsave
 F pdfsetmatrix
 F register
 F rule

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

function
 table

| | | | |
|----------------------------|------------|-----------------------------|------------|
| F special | | serializebox | function |
| F usage | | set_attribute | function |
| F usernumber | | setattr | function |
| prepend | function | setattribute | function |
| print | function | setattributes | function |
| processors | table | setbox | function |
| B enabled | | setfield | function |
| F hpack_filter | | setunsetattributes | function |
| F post_linebreak_filter | | shifts | table |
| F pre_linebreak_filter | | D data | |
| F tracer | | F define | |
| processwords | function | F enable | |
| properties | table | F handler | |
| T actions | | show | function |
| F delayed | | showboxes | function |
| F fdelayed | | showcodes | function |
| F immediate | | showlist | function |
| F attach | | showsimplelist | function |
| T data | | skipcodes | data table |
| F delayed | | slide | function |
| protect_glyph | function | snapshots | table |
| protect_glyphs | function | F getparameters | |
| protrusion_skipable | function | F getsamples | |
| pts | function | F resetsamples | |
| radicalcodes | data table | F takesample | |
| reference | function | somepenalty | function |
| references | table | somespace | function |
| N attribute | | splitbox | function |
| T done | | stripdiscretionaries | function |
| F handler | | stripping | table |
| T stack | | T glyphs | |
| remove | function | F set | |
| repackhlist | function | striprange | function |
| replace | function | tail | function |
| report | function | takebox | function |
| rightmarginwidth | function | tasks | table |
| rulecodes | data table | F actions | |
| rules | table | F appendaction | |
| D data | | F disableaction | |
| F define | | F disablegroup | |
| F enable | | F enableaction | |
| F handler | | F enablegroup | |
| save | function | F freeze | |
| serialize | function | F freezegroup | |

| | | | |
|----------------------------|------------|-------------------------|----------|
| F new | | T frequencies | |
| F prependaction | | F register | |
| F removeaction | | T pool | |
| F replaceaction | | T nodes | |
| F restart | | F rule | |
| F setaction | | T nuts | |
| F showactions | | F rule | |
| F table | | F resetproperties | |
| texmdir_is_equal | data table | F rule | |
| texmdir_is_is | data table | F setlist | |
| texmdir_is_opposite | data table | F setproperties | |
| texmdir_is_parallel | data table | F start | |
| tobasepoints | function | T steppers | |
| tocentimeters | function | F check | |
| tociceros | function | F codes | |
| todidots | function | F features | |
| todimen | function | F font | |
| toinches | function | F glyphs | |
| tomillimeters | function | F message | |
| tonewciceros | function | F messages | |
| tonewdidots | function | F nofsteps | |
| tonode | function | F register | |
| tonodes | function | F reset | |
| 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_char | function |
| tracers | table | traverse_id | function |
| | | typesetters | table |
| T characters | | F hbox | |
| F collect | | F hpack | |
| F equal | | F tohbox | |
| F start | | F tohpack | |
| F string | | F tonodes | |
| F unicodes | | F to vbox | |
| T colors | | F to vpack | |
| F reset | | F vpack | |
| F set | | unprotect_glyphs | function |
| F setlist | | unset_attribute | function |
| F fontchar | | | |

| | |
|------------------------|------------|
| unsetattribute | function |
| unsetattributes | function |
| usedlist | function |
| vianodes | function |
| vianuts | function |
| visualizebox | function |
| visualizers | table |
| F box | |
| F handler | |
| F markfonts | |
| F setfont | |
| F setlayer | |
| F setvisual | |
| vpack | function |
| whatcodes | data table |
| whatsitcodes | data table |
| whatsitters | table |
| T getters | |
| T dimensions | |
| T width | |
| T setters | |
| T dimensions | |
| T width | |
| writable_spec | function |
| 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 |

objects (context)

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

columnsets table

- F add
- F block
- F check
- F currentcolumn
- F define
- F finishflush
- F flushareas
- F flushcolumn
- F flushrest
- F goto
- F noto
- F prepareflush
- F put
- F registerarea
- F reset
- F setarea
- F sethsize
- F sethspan
- F setlines
- F setproperties
- F setstart
- F setvsize

injections table

- F flushafter
- F flushbefore
- F save

mixedcolumns table

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

pdf (basic tex)

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

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set (context)

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create function

tolist function

tonumber function

totable function

socket (extra lua)

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

F getaddrinfo
F gethostname
F getnameinfo
F tohostname
F toip

ftp table

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

gettime function

headers table

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

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

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

http table

N PORT
 N TIMEOUT
 S USERAGENT
 F open
 F request

newtry function
protect function
select function
sink function

sinkt table

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

skip function

sleep function

smtp table

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

source function

sourcet table

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

tcp function

tcp6 function

tp table

N TIMEOUT
 F connect

try function

udp function

udp6 function

url table

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

sorters (context)

basicsorter function

comparers table

F basic

constants table

S defaultdigits

S defaultlanguage

S defaultmethod

N digitmaximum

N digitoffset

N ignoredoffset

N replacementoffset

T validmethods

B ch

B mc

B mm

B pc

B pm

B uc

B zc

B zm

definitions data table

firstofsplit function

packch function

packuc function

setlanguage function

sort function

splitters table

F utf

strip function

tracers data table

update function

statistics (context)

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

status (basic tex)

list function
resetmessages function

storage (context)

| | |
|------------------------|------------|
| allocate | function |
| 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 tobесaved | |
| D stored | | F userdata | |
| | | F uservalue | |
| itemgroups | table | marks | table |
| lists | table | | |
| F addto | | D data | |
| F analyze | | F define | |
| B autoreorder | | F exists | |
| D cached | | F fetch | |
| D collected | | F fetchallmarks | |
| F discard | | F fetched | |
| F enhance | | F fetchonemark | |
| T enhancers | | F fetchtwomarks | |
| F filter | | F get | |
| F formulainumber | | F number | |
| F getresult | | F relate | |
| F groupindex | | F reset | |
| F hasnumberdata | | F set | |
| F haspagedata | | F show | |
| F hastitledata | | F synchronize | |
| F iscached | | F title | |
| D kinds | | T tracers | |
| F label | | F showtable | |
| F location | | notes | table |
| D names | | F checkpagechange | |
| F number | | F define | |
| D ordered | | F doifonsamepageasprevious | |
| F page | | F get | |
| F popnesting | | F getdeltapage | |
| F prefix | | F 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 setinitialblock

table

| | | |
|-----------------|--------------|----------------------------|
| F setlevel | | D labels |
| 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 setattributefield |
| F getall | | F setcombination |
| D setlist | | F setfigure |
| specials | table | F sethighlight |
| D collected | | F setitem |
| F retrieve | | F setitemgroup |
| F store | | F setlist |
| D tobesaved | | F setnotation |
| synonyms | table | F setnotationsymbol |
| F analyzed | | F setproperty |
| D collected | | F setregister |
| F compare | | F setsorting |
| F define | | F setsynonym |
| F filter | | F settablecell |
| F finalize | | F settabulatecell |
| F flush | | F settagdelimitedsymbol |
| F isshown | | F settagssubsentencesymbol |
| F isused | | F setupexport |
| F meaning | | F setuserproperties |
| F prepare | | D specifications |
| F process | | F start |
| F register | | F stop |
| F registershown | | F strip |
| F registerused | | D taglist |
| F resetshown | | T usewithcare |
| F resetused | | T images |
| F sort | | |
| F synonym | | |
| D tobesaved | | |
| tags | table | |
| F elementtag | | |
| F finishexport | | |
| F getid | | |
| F handler | | |

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 |
| imerged | 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 | ifs | data table |
| badness | function | inimatcodes | number |
| box | table | init_rand | function |
| catcode | table | isattribute | function |
| conditionals | data table | isbox | function |
| constants | data table | iscount | overloaded function |
| count | table | isdefined | function |
| ctdcatcodes | number | isdimen | overloaded function |
| ctxcatcodes | number | ismuskip | overloaded function |
| definefont | function | isskip | overloaded function |
| delcode | table | istoken | function |
| dimen | table | istoks | function |
| directives | data table | lccode | table |
| enableprimitives | function | linebreak | function |
| error | function | lists | table |
| extraprimitives | function | lua_math_random | function |
| finish | function | lua_math_randomseed | function |
| fontidentifier | function | luacatcodes | number |
| fontname | function | mathcode | table |
| fprint | function | modes | data table |
| get | function | muskip | table |
| getattribute | function | nest | table |
| getbox | function | nilcatcodes | number |
| getboxresourcedimensions | function | normal_rand | function |
| getcatcode | function | notcatcodes | number |
| getcount | function | number | function |
| getdelcode | function | primitives | function |
| getdelcodes | function | print | function |
| getdimen | function | prtcacodes | number |
| getlccode | function | romannumeral | function |
| getlist | function | round | function |
| getmath | function | run | function |
| getmathcode | function | saveboxresource | function |
| getmathcodes | function | scale | function |
| getmuskip | function | scantoks | function |
| getnest | function | set | function |
| getsfcode | function | setattribute | function |
| getskip | function | setbox | function |
| gettoks | function | setcatcode | function |
| getuccode | function | setcount | function |
| hashtokens | function | setdelcode | function |

| | |
|-------------------------|------------|
| setdimen | function |
| setlccode | function |
| setlist | function |
| setmath | function |
| setmathcode | function |
| setmuskip | function |
| setnest | function |
| setsfcode | function |
| setskip | function |
| settoks | function |
| setuccode | function |
| sfcode | table |
| shipout | function |
| show_context | function |
| skip | table |
| sp | function |
| splitbox | function |
| sprint | function |
| systemmodes | data table |
| takebox | function |
| texcatcodes | number |
| toks | table |
| tpacatcodes | number |
| tpbcacodes | number |
| tprint | function |
| trackers | data table |
| triggerbuildpage | function |
| txtcatcodes | number |
| type | function |
| uccode | table |
| uniform_rand | function |
| uniformdeviate | function |
| uprint | function |
| useboxresource | 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)

```
setescape  function  
write      function  
write_nl   function
```


tokens (context)

astable function
bgroup userdata
bits table

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

collectors table

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

compile function
constant function
converters table

S toboolean
S todimen
S toglue
S tonumber
S tostring

defined function
egroup userdata
getters table

F box
F count
F dimen
F token

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

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

scantable function
setters table

F box
F count
F dimen

F macro
shortcuts table

T bits

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

N close

F inspect

N open

F report

F scanboolean

F scanclose

F scancode

F scanconditional

F scanscsname

F scandimen

F scandimension

F scaninteger

F scankeyword

F scanlist

T scanners

F boolean

F code

F conditional

F count

F csname

F dimen

F dimension

F glue

F integer

F keyword

F list

F lxmldid

F number

F scanclose

F scanopen

F skip

F string

F token

F tokens

F toks

F word

F scannumber

F scanopen

F scanstring

F scanword

F toboolean

F todimen

T tokens

F astable

U bgroup

T collectors

F defaultwords

F dowithwords

F flush

F install

F register

F show

F test

F compile

F constant

T converters

S toboolean

S todimen

S toglue

S tonumber

S toString

F defined

U egroup

T getters

F box

| | | |
|-------------------|-------------|----------|
| F count | vbox | userdata |
| F dimen | vtop | userdata |
| F token | | |
| U hbox | | |
| F istoken | | |
| F letter | | |
| 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 scanscname | | |
| 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 | | |

tracers (context)

| | |
|---------------------|----------|
| count | function |
| cs | function |
| dimen | function |
| knownlist | function |
| lists | table |
| T context | |
| T internals | |
| T scratch | |
| name | function |
| primitive | function |
| printerror | function |
| printwarning | 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 addanchortoline
F addtoline
F calculatedelta
F checkline
F handler
F moveinline
F normalize
F set

injectors table

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

italics table

F forcevariant
F handler
F reset
F set

kerns table

D factors
F handler
F keepligature

B keepetogether
 D mapping
 F set
manipulators table

F apply
 F applyspecification
 T methods
 F Word
 F Words
 F abbreviatedjournal
 F expandedjournal
 F lowercase
 F stripperperiod
 F uppercase
 T patterns
 U list
 U pair
 F splitspecification

margins table

F finalhandler
 F globalhandler
 F ha
 F localhandler
 F save

marksuspects function
paragraphs table

F addanchortoline
 F addtoline
 F calculatedelta
 F checkline
 F handler
 F moveinline
 F normalize
 F set

processors table

F apply
 F register
 F reset
 F split
 F startapply
 F stopapply
 F stripped
 F toString

showsuspects function

spacings table

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

wrappers table

F handler

xtables table

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

unicode (extra lua)

ascii table

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

grapheme table

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

latin1 table

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

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

utf8 table

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

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

url (context)

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

utilities (context)

| | | |
|-------------------------|-------|-------------------------|
| debugger | table | |
| F disable | | B alwaysstripcode |
| F enable | | F compile |
| F savestats | | F loadedluacode |
| F showstats | | F loadstripped |
| F showtraceback | | N nofstrippedbytes |
| | | 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 | T hashes |
| F check | | T settings_to_set |
| N criterium | | T max,fit,broad,auto |
| B enabled | | B auto |
| lua | table | B broad |
| | | B fit |

- B max
- T text,hidden,paper,page,leftpage,rightpage
- B hidden
- B leftpage
- B page
- B paper
- B rightpage
- B text
- F iterator
- F keq_to_hash
- F listitem
- F make_settings_to_hash_pattern
- F mergehashes
- F options_to_array
- F options_to_hash
- T patterns
- U settings_to_array
- U settings_to_hash_a
- U settings_to_hash_b
- U settings_to_hash_c
- U unittotex
- F process_stripped_settings
- F rfc4180splitter
- F runtime
- F settings_to_array
- F settings_to_array_with_repeat
- F settings_to_hash
- F settings_to_hash_strict
- F settings_to_hash_tolerant
- F settings_to_set
- F simple_hash_to_string
- F splitmethod
- F splitthousands
- F stepper
- F stripped_settings_to_array
- F unittotex
- F unittotxml

report function

sequencers table

- F appendaction
- F appendgroup
- F compile
- F disableaction
- F disablegroup

- F enableaction
- F enablegroup
- D functions
- F localize
- F new
- F nodeprocessor
- F prependaction
- F prependgroup
- F removeaction
- F replaceaction
- F setkind
- F tostring

setters table

- F disable
- F enable
- F initialize
- F list
- F new
- F register
- F report
- F reset
- F show

stacker table

- F new

storage table

- F allocate
- F checked
- F mark
- F marked
- F setinitializer
- F sparse

streams table

- F close
- F getposition
- F look
- F open
- F read2dot14
- F readbyte
- F readbytes
- F readcardinal
- F readcardinal1
- F readcardinal2
- F readcardinal3
- F readcardinal4

| | |
|----------------|------------|
| F readchar | F replace |
| F readfixed4 | F replacer |
| F readinteger | F resolve |
| F readinteger1 | |
| F readinteger2 | |
| F readinteger4 | |
| F readstring | |
| F setposition | |
| F size | |
| F skip | |
| F skipbytes | |
| F skiplong | |
| F skipshort | |

strings table

| |
|-----------------------|
| F collapsecrlf |
| T formatters |
| F add |
| F new |
| F newrepeater |
| F nice |
| T striplinepatterns |
| U collapse |
| U prune |
| U prune and collapse |
| U prune and no empty |
| U retain |
| U retain and collapse |
| U retain and no empty |
| F striplines |
| F striplong |
| F tabtospace |
| T tracers |

tables table

| |
|---------------------|
| F accesstable |
| F definedtable |
| F definetable |
| F encapsulate |
| F insertaftervalue |
| F insertbeforevalue |
| F migratetable |
| F removevalue |
| F replacevalue |

templates table

| |
|--------|
| F load |
|--------|

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

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

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

| | |
|---------------------------|----------|
| <code>withElement</code> | function |
| <code>withElements</code> | function |
| <code>wrap</code> | function |
| <code>xmlns</code> | table |

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 |