

MP attributes backends **bit32** blobs boolean
buffers builders caches **callback** callbacks
catcodes characters chemistry commands
containers context converters **coroutine**
ctxrunner **debug** dir dircodes directives
document documentdata environment **epdf**
experiments ffi figures **file** **fio** floats **font**
fonts functions global graphics **gzip** **img**
interactions interfaces **io** job **lang** languages
layouts **lfs** libraries lmx logs lpdf **lpeg** **ltn12**
lua luatex lxml **math** mathematics **md5** metapost
mime moduledata modules mp **mplib** noads **node**
nodes number objects **os** **package** pagebuilders
parametersets **pdf** pdfscanner physics
publications regimes resolvers sandbox scripts
set sio **socket** sorters statistics **status**
storage streams **string** structures **table** **tex**
texconditionals **texconfig** texconstants texifs
texio texitdefined texmodes texsystemmodes
thirddata **token** tokens tracers trackers
typesetters **unicode** url userdata utf8
utilities vf visualizers xml **zip** **zlib**

ConT_EXt MkIV

global (alias: _G)

| | | | |
|---------------------|------------|-----------------------------|----------|
| FFISUPPORTED | function | documentdata | table |
| INITEXMODE | boolean | dofile | function |
| LUAMAJORVERSION | number | done | boolean |
| LUAMINORVERSION | number | environment | table |
| LUATEXCOREVERSION | number | epdf | table |
| LUATEXENGINE | string | error | function |
| LUATEXFUNCTIONALITY | number | experiments | table |
| LUATEXVERSION | number | ffi | table |
| LUAVERSION | number | ffilib | function |
| MP | table | figures | table |
| _LUAVERSION | number | file | table |
| arg | table | fio | table |
| assert | function | floats | table |
| attributes | table | font | table |
| backends | table | fonts | table |
| bit32 | table | frozen | boolean |
| blobs | table | functions | table |
| blockrequire | function | getmetatable | function |
| boolean | table | getpos | function |
| buffers | table | getvpos | function |
| builders | table | global | table |
| caches | table | grammar_parsed_text_one_nop | userdata |
| callback | table | grammar_parsed_text_one_yes | userdata |
| callbacks | table | grammar_parsed_text_two_nop | userdata |
| catcodes | table | grammar_parsed_text_two_yes | userdata |
| characters | table | grammar_unparsed_text_nop | userdata |
| checkimage | function | grammar_unparsed_text_yes | userdata |
| chemistry | table | graphics | table |
| collectgarbage | function | gregorian_to_jalali | function |
| commands | table | gzip | table |
| containers | table | img | table |
| context | function | inspect | function |
| converters | table | interactions | table |
| coroutine | table | interfaces | table |
| ctxrunner | table | io | table |
| debug | table | ipairs | function |
| dimen | function | jalali_to_gregorian | function |
| dir | table | job | table |
| dircodes | data table | lang | table |
| directives | table | languages | table |
| document | table | last | number |

| | | | |
|-----------------|----------|-----------------|------------|
| layouts | table | rawlen | function |
| lfs | table | rawset | function |
| libraries | table | regimes | table |
| lmx | table | require | function |
| load | function | required | function |
| loadfile | function | requireswiglib | function |
| loadstring | function | resolvers | table |
| logs | table | ruledspace | function |
| lpdf | table | sandbox | table |
| lpeg | table | scripts | table |
| ltn12 | table | select | function |
| lua | table | set | table |
| luatex | table | setinspector | function |
| lxml | table | setmetatable | function |
| math | table | sio | table |
| mathematics | table | socket | table |
| md5 | table | sorters | table |
| metapost | table | statistics | table |
| mime | table | status | table |
| module | function | storage | table |
| moduledata | table | streams | table |
| modules | table | string | table |
| mp | function | structures | table |
| mplib | table | swiglib | function |
| next | function | table | table |
| noads | table | tex | table |
| node | table | texconditionals | data table |
| nodes | table | texconfig | table |
| number | table | texconstants | data table |
| objects | table | texifs | data table |
| optionalrequire | function | texio | table |
| os | table | texisdefined | function |
| package | table | texmodes | data table |
| pagebuilders | table | texsystemmodes | data table |
| pairs | function | thirddata | table |
| parametersets | table | toboolean | function |
| pcall | function | token | table |
| pdf | table | tokens | table |
| pdfscanner | table | tonumber | function |
| physics | table | tostring | function |
| print | function | tracers | table |
| publications | table | trackers | table |
| rawequal | function | type | function |
| rawget | function | typesetters | table |

| | | | |
|------------------|----------|--------------------|----------|
| unicode | table | v | number |
| unpack | function | vf | table |
| url | table | visualizers | table |
| userdata | table | xml | table |
| utf | table | xpcall | function |
| utf8 | table | zip | table |
| utilities | table | zlib | table |

attributes (context)

applyoverloads function

colorintents table

 N attribute

 D data

 F enable

 F handler

 F register

 D registered

colors table

 N attribute

 F cmyk

 F cmyktogray

 F cmyktorgb

 F colorcomponents

 D counts

 B couple

 F currentmodel

 F currentnamedmodel

 D data

 N default

 F defineintermediatecolor

 F definemultitonecolor

 F defineprocesscolor

 F definesimplegray

 F definespotcolor

 F definetransparency

 F enable

 F filter

 F forcedmodel

 F forcesupport

 F formatcolor

 F formatgray

 F getpagecolormodel

 F gray

 F graytohsv

 F handler

 F hsvtorgb

 F iccprofile

 F isblack

 N main

 S model

 D models

 F mpcolor

 F mpnamedcolor

 F mpoptions

 F namedcolorattributes

 N none

 F popset

 F processcolorcomponents

 F pushset

 F register

 D registered

 F registerspotcolor

 F rgb

 F rgbtocmyk

 F rgbtorgray

 F rgbtohsv

 N selector

 F setlist

 F setmodel

 F setpagecolormodel

 D sets

 F spec

 F spot

 F spotcolorname

 F spotcolorparent

 F spotcolorvalue

 B supported

 F toattributes

 F transparencycomponents

 B triggering

 F usecolors

 D valid

 F value

 D values

 B weightgray

define function

effects table

 N attribute

 D data

 F enable

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

B supported

D values

backends (context)

codeinjections table

F boxresourcedimensions
F registerboxresource
F restoreboxresource

current string

defaults table

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

included table

B context
B date
B id
B metadata
B pdf

install function

nodeinjections table

F restore
F save
F transform

nothing function

pdf table

T codeinjections
F addbookmarks
F analyzenormalsymbol
F analyzesymbol
F attachmentid
F clonefield
F definefield
F definefieldset
F defineviewerlayer
F embedfile
F enabletags
F exportformdata
F fieldsurrounding

F getbookmarks
F getdefaultfieldvalue
F getfieldcategory
F getfieldset
F getformatoption
F gethpos
F getinfo
F getmatrix
F getoutputfilename
F getpos
F getpreviewfigure
F getvpos
F hasmatrix
F insertrenderingwindow
F mergebookmarks
F mergecomments
F mergefields
F mergereferences
F mergeviewerlayers
F prerollreference
F presetsymbol
F presetsymbollist
F processrendering
F registerdocumentcloseaction
F registerdocumentopenaction
F registeredsymbol
F registerpagecloseaction
F registerpageopenaction
F registersymbol
F setfieldcalculationset
F setfigurealternative
F setfigurecolorspace
F setfiguremask
F setformat
F setformsmethod
F setpagetransition
F setupcanvas
F setupidentity
F setxmpfile
F startlayer
F startunicodetoactualtext

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

bit32 (basic lua)

arshift function

band function

bnot function

bor function

btest function

bxor function

extract function

lrotate function

lshift function

replace function

rrotate function

rshift function

blobs (context)

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

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

boolean (context)

tocontext function

tonumber function

buffers (context)

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

builders (context)

kernel table

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

paragraphs table

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

- F reset

- F set

- F split

- F start

- F stop

- F tag

profiling table

- F add

- F distance

- F fixedprofile

- F get

- F list

- F pagehandler

- F profilebox

- F set

vspacing table

- F analyze

- D categories

- F collapsevbox

- T data

- D map

- D skip

- D snapmethods

- F definesnapmethod

- B fixed

- F forcestrutdepth

- F pagehandler

- F setmap

- F setskip

- F snapbox

- F synchronizepage

- F tocategories

- F tocategory

- F vboxhandler

caches (context)

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

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

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

catcodes (context)

names data table

numbers data table

register function

characters (context)

| | | | |
|----------------------|------------|------------------------------|------------|
| activeoffset | number | T anudatta | |
| adobename | function | T before_half | |
| bidirectional | data table | T before_main | |
| blockrange | function | T before_postscript | |
| blocks | data table | T before_subscript | |
| casemap | table | T below_mark | |
| categories | data table | T consonant | |
| category | function | T dependent_vowel | |
| categorytags | data table | T halant | |
| classifiers | table | T independent_vowel | |
| collapsed | data table | T nukta | |
| contextname | function | T post_mark | |
| csletters | data table | T pre_mark | |
| data | data table | T ra | |
| decomposed | data table | T stress_tone_mark | |
| description | function | T twopart_mark | |
| descriptions | data table | T vowel_modifier | |
| detailltags | data table | initialize | function |
| directions | table | is_character | data table |
| emoji | table | is_command | data table |
| F compact | | is_letter | data table |
| F known | | is_mark | data table |
| F resolve | | is_punctuation | data table |
| emojized | function | is_spacing | data table |
| encodes | data table | lcchars | data table |
| entities | data table | lccode | function |
| fallbacks | data table | lccodes | data table |
| filters | data table | lettered | function |
| fractions | table | lhash | data table |
| fromnumber | function | linebreaks | data table |
| fschars | data table | lower | function |
| fscodes | data table | mathlists | data table |
| getrange | function | mirrors | table |
| graphemes | data table | otfscripts | data table |
| hangul | data table | private | table |
| indicgroups | table | ranges | data table |
| T above_mark | | registerentities | function |
| T after_half | | remap_hangul_syllable | function |
| T after_main | | setactivecatcodes | function |
| T after_postscript | | setlettercatcodes | function |
| T after_subscript | | shape | function |

| | | | |
|---------------------|------------|--------------------|------------|
| shaped | function | D accentmapping | |
| shash | data table | D commandmapping | |
| shchars | data table | F defineaccents | |
| shcodes | data table | F safechar | |
| showstring | function | F toutf | |
| specialchars | data table | F toutfpattern | |
| specials | data table | textclasses | table |
| splits | table | tonumber | function |
| T char | | ucchars | data table |
| T compat | | uccode | function |
| subscripts | table | uccodes | data table |
| superscripts | table | uhash | data table |
| synonyms | data table | unicodechar | function |
| tex | table | upper | function |

chemistry (context)

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

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

containers (context)

cleanname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

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

verbose

D data

F translate

weekday

table

function

word

words

year

function

function

function

coroutine (basic lua)

| | |
|--------------------|----------|
| create | function |
| isyieldable | function |
| resume | function |
| running | function |

| | |
|---------------|----------|
| status | function |
| wrap | function |
| yield | function |

ctxrunner (context)

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

debug (basic lua)

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

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

dir (context)

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

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

directives (context)

| | |
|----------------|------------|
| data | data table |
| default | function |
| disable | function |
| done | table |
| enable | function |
| list | function |

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

document (context)

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

environment (context)

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

epdf (extra tex)

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

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 |
| withinbase | function |

fio (extra lua)

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

floats (context)

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

font (basic tex)

| | | | |
|----------------------|---------------------|---------------------|----------|
| addcharacters | function | id | function |
| current | function | max | function |
| define | function | nextid | function |
| each | function | read_tfm | function |
| fonts | table | read_vf | function |
| frozen | function | setexpansion | function |
| getfont | overloaded function | setfont | function |

fonts (context)

| | | |
|---------------------------|-------|-------------------------|
| analyzers | table | |
| D features | | F currentfonthasfeature |
| D initializers | | D designsizes |
| D methods | | D dontembed |
| F setstate | | F enhanceparameters |
| D states | | T enhancers |
| B useunicodemarks | | T afm |
| | | F apply |
| checkers | table | F patch |
| F getmissing | | T patches |
| F missing | | F register |
| F placeholder | | F report |
| cid | table | F register |
| F getmap | | F report |
| F loadfile | | T otf |
| collections | table | F addfeature |
| F checkenabled | | F apply |
| F clonevector | | F enhance |
| F define | | F patch |
| T definitions | | T patches |
| F found | | F register |
| F prepare | | F report |
| F process | | F register |
| F registermain | | F report |
| F report | | T tfm |
| F reset | | F apply |
| T vectors | | F patch |
| constructors | table | T patches |
| F addcharacters | | F register |
| F addcoreunicodes | | F report |
| F aftercopyingcharacters | | F register |
| F applymanipulators | | F report |
| F assignmathparameters | | N factor |
| B autocleanup | | T features |
| F beforecopyingcharacters | | D afm |
| D cache | | D otf |
| B cacheintex | | D tfm |
| F calculatescale | | F finalize |
| F checkedfeatures | | F getfeatureaction |
| F checkedfilename | | F getprivate |
| F cleanupable | | T handlers |
| F collectprocessors | | T afm |

| | |
|----------------------------|---|
| B autoprefixed | F getalternate |
| D cache | F getgsub |
| D features | F getkern |
| F getkern | F getmultiple |
| T helpdata | F getsubstitution |
| D bothkerned | T handlers |
| D leftkerned | F devanagari_remove_joiners |
| D ligatures | F devanagari_reorder_matras |
| D rightkerned | F devanagari_reorder_pre_base_reordering_consonants |
| D texligatures | F devanagari_reorder_reph |
| F load | F gpos_context |
| T readers | F gpos_contextchain |
| F getinfo | F gpos_cursive |
| F loadfont | F gpos_mark2base |
| F loadshapes | F gpos_mark2ligature |
| F setfeatures | F gpos_mark2mark |
| B syncspace | F gpos_pair |
| N version | F gpos_single |
| T otf | F gsub_alternate |
| F addfeature | F gsub_context |
| F basemodeinitializer | F gsub_contextchain |
| D cache | F gsub_ligature |
| F collectlookups | F gsub_multiple |
| T coverup | F gsub_reversecontextchain |
| T actions | F gsub_single |
| F alternate | F trigger_space_kerns |
| F chainposition | T helpers |
| F chainsubstitution | F blockligatures |
| F kern | F pardirstate |
| F ligature | F txtfirststate |
| F multiple | F load |
| F pair | F loadoutlinedata |
| F single | F loadstreamdata |
| F substitution | F modeinitializer |
| F register | D pdfcache |
| S stepkey | F plugininitializer |
| F dataset | F pluginprocessor |
| F datasetpositionprocessor | T plugins |
| S defaultbasealternate | T readers |
| S defaultnodealternate | F addunicodetable |
| D features | F avar |
| F featuresinitializer | F cbdt |
| F featuresprocessor | F cblc |
| F getactualtext | F cff |

| | |
|-------------------------------|------------------------|
| F cff2 | F getfactors |
| F cffcheck | F getscales |
| F checkhash | F gotodatatable |
| F cmap | F normalizedaxis |
| F colr | T normalizedaxisishash |
| F compact | F readvariationdata |
| F cpal | F reportskippedtable |
| F ebdt | F setvariabledata |
| F eblc | F hhea |
| F ebsc | F hmtx |
| F expand | F hvar |
| F extend | F kern |
| F fvar | F loadfont |
| F gdef | F loadshapes |
| F getcomponents | F loca |
| F getinfo | F math |
| F glyf | F maxp |
| F gpos | F mvar |
| T gpshandlers | F name |
| F chainedcontext | F os/2 |
| F context | F pack |
| F cursive | F parsecharstrings |
| F extension | F post |
| F marktobase | F registerextender |
| F marktoligature | F rehash |
| F marktomark | F sbix |
| F pair | F stat |
| F single | T streamreader |
| F gsub | F close |
| T gsubhandlers | F getposition |
| F alternate | F getsizes |
| F chainedcontext | F look |
| F context | F open |
| F extension | F read2dot14 |
| F ligature | F readbyte |
| F multiple | F readbytes |
| F reversechainedcontextsingle | F readbytetable |
| F single | F readcardinal |
| F gvar | F readcardinal1 |
| F head | F readcardinal2 |
| T helpers | F readcardinal2le |
| F axistofactors | F readcardinal3 |
| F cleannames | F readcardinal3le |
| F getaxissscale | F readcardinal4 |

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

| | | |
|--------------------------|-----------------------|----------|
| T parameters | S mathitalics | |
| S ascender | S mode | |
| S descender | S name | |
| S designsize | S noglyphnames | |
| T expansion | S nostackmath | |
| S auto | S psname | |
| S shrink | S textitalics | |
| S step | S virtualized | |
| S stretch | D loadedfonts | |
| S extendfactor | S namemode | |
| S factor | N noffontsloaded | |
| S hfactor | N nofsharedfonts | |
| S mathsize | N nofsharedhashes | |
| S mode | N nofsharedvectors | |
| T protrusion | N privateoffset | |
| S auto | D privateslots | |
| S quad | F readanddefine | |
| S scaledpoints | F registerfeature | |
| S scriptpercentage | F resetfeature | |
| S scriptscriptpercentage | B resolvevirtualtoo | |
| S size | F scale | |
| S slantfactor | F scaled | |
| S slantperpoint | F setfactor | |
| T spacing | F setfeature | |
| S extra | F setname | |
| S shrink | B sharefonts | |
| S stretch | F trytosharefont | |
| S width | N version | |
| S units | current | function |
| S vfactor | currentid | function |
| S width | definers | table |
| S xheight | F addlookup | |
| T properties | F analyze | |
| S autoitalicamount | F applypostprocessors | |
| S cidinfo | F checkedmode | |
| S embedding | F checkedscript | |
| S encodingbytes | F current | |
| S filename | S defaultlookup | |
| S finalized | F define | |
| S fontname | F getspecification | |
| S format | F internal | |
| S fullname | F loadfont | |
| S hasitalics | F makespecification | |
| S hasmath | T methods | |

| | | | |
|------------------------|------------|-------------------------|-------|
| F install | | goodies | table |
| D variants | | D colorschemes | |
| F read | | T data | |
| F register | | T dejavu-math | |
| F registered | | S author | |
| F registersplit | | S comment | |
| F resetnullfont | | S copyright | |
| F resolve | | B initialized | |
| T resolvers | | T mathematics | |
| F file | | T alternates | |
| F name | | T dotless | |
| F spec | | S comment | |
| definetypface | function | S feature | |
| encodings | table | N value | |
| T agl | | T kerns | |
| D ctxcodes | | S name | |
| D extras | | S version | |
| D names | | D designsizes | |
| D synonyms | | D filenames | |
| D unicodes | | F getcompositions | |
| D cache | | T list | |
| F is_known | | F load | |
| D known | | F prepare_features | |
| F load | | F register | |
| F make_unicode_vector | | F registerpostprocessor | |
| D math | | F report | |
| N version | | T suffixes | |
| enhanceid | function | handlers | table |
| expansions | data table | hashes | table |
| formats | data table | D characters | |
| getalternate | function | D classes | |
| getkern | function | D csnames | |
| getmultiple | function | D descriptions | |
| getsubstitution | function | D dynamics | |
| getters | table | D emwidths | |
| T alternate | | D exheights | |
| F opentype | | D extensibles | |
| T kern | | D features | |
| F opentype | | D identifiers | |
| F type1 | | D italics | |
| T multiple | | D lastmathids | |
| F opentype | | D marks | |
| T substitution | | D modes | |
| F opentype | | D originals | |

| | | | |
|------------------------|-----------------|---------------------------|-------------------|
| D parameters | | F add_placeholders | |
| T processes | | D category_to_placeholder | |
| D properties | | F format | |
| D quads | | F onetimemessage | |
| D resources | | F register | |
| T setdynamics | | F reportdefinedfonts | |
| T shapes | | F reportusedfeatures | |
| D spaces | | mappings | table |
| D spacings | | F addtounicode | |
| T streams | | F fromunicode16 | |
| D unicodes | | F loadfile | |
| D variants | | F loadline | |
| D xheights | | F makenameparser | |
| helpers | table | D overloads | |
| F addextraprivate | | F reset | |
| F addprivate | | F tounicode | |
| F checkflags | | F tounicode16 | |
| F checkmerge | | F tounicode16sequence | |
| F checksteps | | metapost | table |
| F descriptiontoslot | | F boundingbox | |
| F dimenfactor | | F boxtomp | |
| F expandglyph | | F draw | |
| F fontpatternhassize | | F fill | |
| F getcoloredglyphs | | F maxbounds | |
| F getdigitwidth | | F output | |
| F getinstancespec | | F paths | |
| F getparameters | | F widthline | |
| F getprivatecharornode | | F zeroline | |
| F getprivatenode | | mp | table |
| F getprivates | | D cache | |
| F getprivateslot | | B inline | |
| F hasprivate | | N version | |
| F indextoslot | | names | data table |
| F name | | nulldata | data table |
| F nametoslot | | protrusions | data table |
| F setdigitwidth | | readers | table |
| F splitfontpattern | | F afm | |
| F tochar | | F check_lua | |
| infofont | function | F check_tfm | |
| iterators | table | F lua | |
| F characters | | F ofm | |
| F descriptions | | F opentype | |
| F glyphs | | F otf | |
| loggers | table | F pfb | |

| | | | |
|---------------------------|----------|-------------------|-------|
| D sequence | | F userdata | |
| F tfm | | specifiers | table |
| F ttc | | D contextmerged | |
| F ttf | | F contextnumber | |
| F woff | | D contextnumbers | |
| reserveid | function | D contextsetups | |
| select | table | F contexttstring | |
| D alternatives | | F definecontext | |
| F bodyfont | | F mergecontext | |
| D data | | F presetcontext | |
| F default | | F registercontext | |
| D defaults | | F showcontext | |
| F definefallbackfamily | | F splitcontext | |
| F definefontfamily | | D synonyms | |
| F definefontfamilypreset | | D variants | |
| D extras | | symbols | table |
| F fallback | | T emoji | |
| D fallbacks | | F checked | |
| F features | | F resolved | |
| F filefallback | | F uselibrary | |
| F fontdata | | tables | table |
| F fontfallback | | D data | |
| F fontsynonym | | F savefont | |
| F goodies | | F saveoriginal | |
| F mathfallback | | tracers | table |
| D methods | | treatments | table |
| D presets | | F applyfixes | |
| F registerfallback | | D data | |
| F registerfiles | | S filename | |
| F registerfontalternative | | F ignoredfile | |
| F registerfontfamily | | F report | |
| F textfallback | | F trace | |
| F typeface | | typefaces | table |
| F typescript | | | |

functions (context)

dummy function

graphics (context)

backgrounds table

F fetchmultipar

F pair

F path

F point

gzip (extra lua)

close function
lines function
load function

open function
save function
suffix function

img (basic tex)

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

interactions (context)

attachments data table

fields table

- F clone
- F define
- F defineset
- F insert

general table

- F getidentity
- F setupidentity

help table

- F collect
- F reference
- F register

javascripts table

- F addtopreamble
- F code
- D codes
- F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedslists data table

pages table

- F setpagetransition
- F setupcanvas

references table

- F setcloseddocument
- F setclosepage
- F setopendocument
- F setopenpage

renderings data table

soundclips data table

interfaces (context)

| | |
|-----------------------------|------------|
| addvalidkeys | function |
| cachedsetups | data table |
| cachesetup | function |
| checkedspecification | function |
| complete | data table |
| constants | data table |
| corenamespaces | data table |
| currentinterface | string |
| currentresponse | string |
| definecommand | function |
| defined | function |
| doifelsemessage | function |
| elements | data table |
| formats | data table |
| getcheckedparameters | function |
| getmessage | function |
| getnamespace | function |
| getsetupstring | function |
| hashedsetups | data table |
| implement | function |
| interfacedcommand | function |
| interfaces | table |
| invalidkey | function |
| message | function |
| namespaces | table |

F define

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

io (basic lua)

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

job (context)

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

F n
F onsamepage
F overlapping
F p
T page
F paragraph
F parindent
F position
F r
F region
F replace
F rightskip
F set
F setall
F setregionbox
D tobesaved
F upperleft
F upperright
S used
F whd
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 | loadable | function |
| define | function | loadwords | function |
| explicitthyphen | function | logger | table |
| flatten | function | F report | |
| frequencies | table | nofflatten | function |
| F averagecharwidth | | numbers | data table |
| F getdata | | postexhyphenchar | function |
| getdata | function | posthyphenchar | function |
| getnumber | function | preexhyphenchar | function |
| hjcounts | table | prehyphenchar | function |
| hyphenate | function | registered | data table |
| hyphenators | table | replacements | table |
| T dictionaries | | F add | |
| D featuresets | | F addlist | |
| F handler | | F handler | |
| T methods | | F set | |
| F expanded | | serializediscretionary | function |
| B none | | setexceptions | function |
| F original | | setsynonym | function |
| F tex | | showdiscretionaries | function |
| F traditional | | unload | function |
| F popmethod | | urls | table |
| F pushmethod | | D characters | |
| F setmethod | | N lefthyphenmin | |
| F setup | | D mapping | |
| F showhyphenationtrace | | B packslashes | |
| T traditional | | N righthyphenmin | |
| F definefeatures | | F setcharacters | |
| F gettrace | | version | number |
| F hyphenate | | visualizediscretionaries | function |
| F injecthyphens | | words | table |
| F installmethod | | F check | |
| F lasttrace | | T data | |
| F loadpatterns | | F disable | |
| F registerexception | | F enable | |

T enablers

F load

B enables

T methods

F found

N threshold

layouts (context)

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

lfs (extra lua)

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

libraries (context)

basiclua data table

basictex data table

builtin data table

extralua data table

extratex data table

functions data table

globals data table

lmx (context)

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

| | |
|---------------------------|----------|
| loadedfile | function |
| make | function |
| new | function |
| overloaderror | function |
| popupfile | function |
| print | function |
| pv | function |
| report | function |
| reset | function |
| result | function |
| set | function |
| show | function |
| showdebuginfo | function |
| showerror | function |
| stripcss | function |
| tv | function |
| type | function |
| urlescape | function |
| variable | function |
| variables | table |
| S color-background-blue | |
| S color-background-body | |
| S color-background-green | |
| S color-background-main | |
| S color-background-purple | |
| S color-background-yellow | |
| S title-default | |

logs (context)

| | | | |
|-----------------------------|----------|--------------------------|----------|
| application | function | setformats | function |
| categories | function | setformatters | function |
| direct | function | setlogfile | function |
| disable | function | setmessenger | function |
| enable | function | setprocessor | function |
| exporters | table | setprogram | function |
| extendbanner | function | settarget | function |
| finalactions | function | settimedlog | function |
| flush | function | settranslations | function |
| help | function | show | function |
| loggingerrors | function | show_close | function |
| messenger | function | show_load | function |
| new | function | show_open | function |
| newline | function | simple | function |
| poptarget | function | simpleline | function |
| pushtarget | function | simplelines | function |
| registerfinalactions | function | start_page_number | function |
| report | function | starterrorlogging | function |
| reportbanner | function | startfilelogging | function |
| reporter | function | status | function |
| reporters | table | stop_page_number | function |
| F banner | | stoperrorlogging | function |
| F export | | stopfilelogging | function |
| F help | | subdirect | function |
| F info | | subreport | function |
| F lines | | system | function |
| F version | | texerrormessage | function |
| reportline | function | writer | function |
| reportlines | function | | |

lpdf (context)

| | |
|---------------------------------|------------|
| action | function |
| adddocumentcolorspace | function |
| adddocumenttextgstate | function |
| adddocumentpattern | function |
| adddocumentshade | function |
| addtocatalog | function |
| addtoinfo | function |
| addtonames | function |
| addtopageattributes | function |
| addtopageresources | function |
| addtopagesattributes | function |
| addxmpinfo | function |
| annotationspecification | function |
| array | function |
| boolean | function |
| border | function |
| checkedkey | function |
| checkedvalue | function |
| circularshade | function |
| cmykcode | function |
| collectedresources | function |
| color | function |
| colorspace | function |
| colorspaceconstants | data table |
| colorspec | function |
| colorvalue | function |
| colorvalues | function |
| compresslevel | function |
| constant | function |
| copyarray | function |
| copyboolean | function |
| copyconstant | function |
| copydictionary | function |
| copyfloat | function |
| copyinteger | function |
| copynumber | function |
| copystring | function |
| copyunicode | function |
| delayedobject | function |
| destinationspecification | function |
| dictionary | function |

| | |
|------------------|----------|
| docstring | function |
| epdf | table |

- F contenttotext
- F expand
- F expanded
- F getpagecontent
- F getstructure
- F load
- F unload

| | |
|-------------------------------|----------|
| escaped | function |
| finalizeddocument | function |
| finalizepage | function |
| finishtransparencycode | function |
| flags | table |

- T annotations
- N AutoView
- N Hidden
- N Invisible
- N Locked
- N LockedContents
- N NoRotate
- N NoView
- N NoZoom
- N Print
- N Printable
- N ReadOnly
- N ToggleNoView
- N auto
- N hidden
- N printable
- T widgets
- N Comb
- N CommitOnSelChange
- N DoNotScroll
- N DoNotSpellCheck
- N Edit
- N FileSelect
- N MultiLine
- N NoExport
- N NoToggleToOff
- N Password

| | | | |
|------------------------------|------------|----------------------------------|----------|
| N PopUp | | null | function |
| N PushButton | | number | function |
| N Radio | | objectcompresslevel | function |
| N RadiosInUnison | | pagereference | function |
| N ReadOnly | | patternstream | function |
| N Required | | pdfcolor | function |
| N RichText | | pdftimestamp | function |
| N Sort | | permitdetail | function |
| N file | | protectresources | boolean |
| N fixed | | rectangle | function |
| N nocheck | | reference | function |
| N protected | | registerannotation | function |
| N readonly | | registerdestination | function |
| N required | | registerdocumentfinalizer | function |
| N sorted | | registerpagefinalizer | function |
| N unavailable | | registerpattern | function |
| flushobject | function | reserveobject | function |
| flushstreamfileobject | function | rgbcode | function |
| flushstreamobject | function | rotationcm | function |
| formats | data table | setcompression | function |
| frompdfdoc | function | setdates | function |
| fromsixteen | function | settime | function |
| getcompression | function | settrailerid | function |
| gethpos | function | setversion | function |
| getmatrix | function | shareobject | function |
| getmetadata | function | shareobjectreference | function |
| getpos | function | spotcode | function |
| getversion | function | stream | function |
| getvpos | function | string | function |
| graycode | function | toeight | function |
| hasmatrix | function | topdfdoc | function |
| id | function | tosixteen | function |
| injectxmpinfo | function | transform | function |
| insertxmpinfo | function | transparency | function |
| layerreference | function | transparencycode | function |
| limited | function | transparencygroups | table |
| linearshade | function | B none | |
| majorversion | function | transparencyvalue | function |
| minorversion | function | unicode | function |
| nametree | function | verbose | function |

lpeg (basic lua)

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

luatex (context)

| | | |
|-----------------------------|----------|--------------------|
| cleanuptempfiles | function | F enable |
| currentfile | function | F finish |
| registerdumpactions | function | F pause |
| registerpageactions | function | F registerdisabler |
| registerstartactions | function | F registerenabler |
| registerstopactions | function | F resetfilename |
| registertempfile | function | F resume |
| starttime | number | F setfilename |
| synctex | table | F setup |
| F blockfilename | | F start |
| F collect | | F stop |
| F disable | | F wrapup |

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 | lastpar | function |
| directives | table | load | function |
| F after | | loadbuffer | function |
| F before | | loaddata | function |
| F handle | | loaded | table |
| F load | | main | function |
| F setup | | match | function |
| displayverbatimim | function | name | function |
| doif | function | namespace | function |
| doifelse | function | nonspace | function |
| doifelseempty | function | par | function |
| doifelsetext | function | param | function |
| doifempty | function | parameter | function |
| doifnot | function | path | function |
| doifnotempty | function | popmatch | function |
| doifnottext | function | pos | function |
| doiftext | function | position | function |
| element | function | pure | function |
| elements | function | pushmatch | function |
| entities | data table | raw | function |
| filter | function | rawroot | function |
| filterlist | function | rawtex | function |
| first | function | refatt | function |

| | |
|-------------------------|----------|
| register | function |
| registerentity | function |
| removesetup | function |
| resetcdata | function |
| resetsetups | function |
| resolvedentity | function |
| root | function |
| save | function |
| serialize | function |
| setaction | function |
| setatt | function |
| setattribute | function |
| setcdata | function |
| setcommandtonone | function |
| setcommandtotext | function |
| setpar | function |
| setparam | function |
| setparameter | function |
| setsetup | function |
| snippet | function |
| sorters | table |

F add

| | |
|----------------------|------------|
| F compare | |
| F flush | |
| F reset | |
| F show | |
| F sort | |
| splitid | function |
| startraw | function |
| startunesaped | function |
| stopraw | function |
| stopunesaped | 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 | maxinteger | number |
| acos | function | min | function |
| asin | function | mininteger | number |
| atan | function | mod | function |
| atan2 | function | modf | function |
| ceil | function | odd | function |
| ceiling | function | pi | number |
| cos | function | pow | function |
| cosd | function | rad | function |
| cosh | function | random | overloaded function |
| deg | function | randomseed | function |
| div | function | round | function |
| even | function | setrandomseedi | function |
| exp | function | sin | function |
| floor | function | sind | function |
| fmod | function | sinh | function |
| frexp | function | sqrt | function |
| huge | number | tan | function |
| initialseed | number | tand | function |
| ldexp | function | tanh | function |
| log | function | tointeger | function |
| log10 | function | type | function |
| max | function | ult | function |

mathematics (context)

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

md5 (extra lua)

| | |
|----------------|----------|
| HEX | function |
| crypt | function |
| dec | function |
| decrypt | function |
| exor | function |

| | |
|----------------|---------------------|
| hex | function |
| sum | function |
| sumHEXA | overloaded function |
| sumhexa | overloaded function |

metapost (context)

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

| | | | |
|----------------------|----------|----------------------|----------|
| resetlastlog | function | F get | |
| resetplugins | function | F reset | |
| runscript | function | F set | |
| scripterror | function | F setfrombuffer | |
| setextensions | function | texerrors | boolean |
| setoutercolor | function | texexp | function |
| settext | function | texttextsdata | function |
| setvariable | function | theclippath | function |
| showlog | boolean | tographic | function |
| simple | function | totable | function |
| startgraphic | function | unload | function |
| stopgraphic | function | untagvariable | function |
| svformat | function | variables | table |
| tex | 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 | OuterMarginDistance | function |
| BaselineSkip | function | OuterMarginWidth | function |
| BodyFontSize | function | OverlayDepth | function |
| BottomDistance | function | OverlayHeight | function |
| BottomHeight | function | OverlayLineWidth | function |
| BottomSpace | function | OverlayOffset | function |
| CurrentColumn | function | OverlayWidth | function |
| CurrentHeight | function | PageDepth | function |
| CurrentWidth | function | PageFraction | function |
| CutSpace | function | PageNumber | function |
| EmWidth | function | PageOffset | function |
| ExHeight | function | PaperBleed | function |
| FooterDistance | function | PaperHeight | function |
| FooterHeight | function | PaperWidth | function |
| HSize | function | PrintPaperHeight | function |
| HeaderDistance | function | PrintPaperWidth | function |
| HeaderHeight | function | RealPageNumber | function |
| InPageBody | function | RightEdgeDistance | function |
| InnerEdgeDistance | function | RightEdgeWidth | function |
| InnerEdgeWidth | function | RightMarginDistance | function |
| InnerMarginDistance | function | RightMarginWidth | function |
| InnerMarginWidth | function | SpineWidth | function |
| LastPageNumber | function | StrutDepth | function |
| LayoutColumnDistance | function | StrutHeight | function |
| LayoutColumnWidth | function | SubPageNumber | function |
| LayoutColumns | function | TextHeight | function |
| LeftEdgeDistance | function | TextWidth | function |
| LeftEdgeWidth | function | TopDistance | function |
| LeftMarginDistance | function | TopHeight | function |
| LeftMarginWidth | function | TopSkip | function |
| LineHeight | function | TopSpace | function |
| MakeupHeight | function | VSize | function |
| MakeupWidth | function | _f_ | function |
| NofColumns | function | _get_count_ | function |
| NofPages | function | _get_dimen_ | function |
| NofSubPages | function | _get_toks_ | function |
| NamedColor | function | _set_count_ | function |
| OnOddPage | function | _set_dimen_ | function |
| OnRightPage | function | _set_toks_ | function |
| OuterEdgeDistance | function | boolean | function |
| OuterEdgeWidth | function | dataset | function |

| | | | |
|---------------------------|----------|--------------------------|----------|
| datasets | table | positionbox | function |
| F load | | positioncurve | function |
| defaultcolormodel | function | positionpage | function |
| dimension | function | positionpath | function |
| disposehash | function | positionpxy | function |
| disposestore | function | positionregion | function |
| finish_saving_data | function | positionwhd | function |
| format | function | positionxy | function |
| formatted | function | prefix | function |
| fprint | function | print | function |
| fromstore | function | processingmode | function |
| get | table | quadruple | function |
| F boolean | | quoted | function |
| F number | | report | function |
| F numeric | | save_data | function |
| F string | | setcount | function |
| get_outline_text | function | setdimen | function |
| getcount | function | settoks | function |
| getdimen | function | size | function |
| gettoks | function | start_saving_data | function |
| graphformat | function | stop_saving_data | function |
| inhash | function | systemmode | function |
| integer | function | tb_dimensions | function |
| isarray | function | texstr | function |
| mode | function | texvar | function |
| n | function | tohash | function |
| newhash | function | tostore | function |
| newstore | function | triplet | function |
| numeric | function | tt_dimensions | function |
| pair | function | tt_initialize | function |
| path | function | vprint | function |
| positionanchor | function | | |

mplib (extra tex)

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

noads (context)

| | | | |
|-----------------|-------|----------------------|------------------|
| handlers | table | | F render |
| F align | | | F resize |
| F alternates | | | F showtree |
| F autofences | | | F tags |
| F classes | | | F unscript |
| F collapse | | | F variants |
| F domains | | process | function |
| F families | | processnested | function |
| F fixscripts | | processors | table |
| F italics | | | F mlist_to_hlist |
| F kernpairs | | | T unscript |
| F makeup | | processouter | function |
| F relocate | | | |

node (basic tex)

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

- F check_discretionaries
- F check_discretionary
- F copy
- F copy_list
- F count
- F current_attr
- F dimensions
- F effective_glue
- F end_of_math
- F find_attribute
- F first_glyph
- F flatten_discretionaries
- F flush_list
- F flush_node
- F flush_properties_table
- F free
- F get_attribute
- F get_properties_table
- F get_synctex_fields
- F getattributelist
- F getboth
- F getbox
- F getchar
- F getcomponents
- F getdepth
- F getdir
- F getdirection
- F getdisc
- F getfam
- F getfield
- F getfont
- F getglue
- F getheight

- F getid
- F getkern
- F getlang
- F getleader
- F getlist
- F getnext
- F getnucleus
- F getoffsets
- F getpenalty
- F getprev
- F getproperty
- F getshift
- F getsub
- F getsubtype
- F getsup
- F getwhd
- F getwidth
- F has_attribute
- F has_field
- F has_glyph
- F hpack
- F insert_after
- F insert_before
- F is_char
- F is_direct
- F is_glyph
- F is_node
- F is_zero_glue
- F kerning
- F last_node
- F length
- F ligaturing
- F new
- F protect_glyph
- F protect_glyphs
- F protrusion_skippable
- F rangedimensions
- F remove
- F set_attribute
- F set_properties_mode
- F set_synctex_fields

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

| | | | |
|-----------------------------|----------|-------------------------|----------|
| length | function | subtype | function |
| ligaturing | function | subtypes | function |
| mlist_to_hlist | function | tail | function |
| new | function | tostring | function |
| next | function | traverse | function |
| prev | function | traverse_char | function |
| protect_glyph | function | traverse_id | function |
| protect_glyphs | function | type | function |
| protrusion_skippable | function | types | function |
| rangedimensions | function | unprotect_glyph | function |
| remove | function | unprotect_glyphs | function |
| set_attribute | function | unset_attribute | function |
| set_properties_mode | function | usedlist | function |
| setfield | function | uses_font | function |
| setglue | function | values | function |
| setproperty | function | vpack | function |
| setwhd | function | whatsits | function |
| slide | function | write | function |

nodes (context)

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

| | | | |
|--------------------------------|------------|------------------------|------------|
| F alignbackgrounds | | is_char | function |
| F backgrounds | | is_direct | function |
| F characters | | is_display_math | function |
| F checkforleaks | | is_glyph | function |
| F checkglyphs | | is_mirrored | data table |
| F cleanupbox | | is_node | function |
| F cleanuppage | | is_nut | function |
| F export | | is_rotated | data table |
| F finalize | | is_zero_glue | function |
| F flatten | | ischar | function |
| F flattenline | | isglyph | function |
| F migrate | | kerncodes | data table |
| F protectglyphs | | kerning | function |
| F stripping | | keys | table |
| F textbackgrounds | | T whatsit | |
| F unprotectglyphs | | last_node | function |
| has_attribute | function | leadercodes | data table |
| has_field | function | leftmarginwidth | function |
| has_glyph | function | length | function |
| hpack | function | ligaturing | function |
| idstostring | function | linefillers | table |
| ignorablefields | data table | D data | |
| injections | table | F define | |
| F copy | | F enable | |
| F getligaindex | | F handler | |
| F getthreshold | | lines | table |
| F handler | | T boxed | |
| F installgetspaceboth | | F register | |
| F installnewkern | | F setup | |
| F isspace | | F stage_one | |
| F keepcounts | | F stage_two | |
| F reset | | D data | |
| F resetcounts | | F finalize | |
| F setcursive | | F number | |
| F setkern | | N scratchbox | |
| F setligaindex | | link | function |
| F setmark | | linked | function |
| F setmove | | list | function |
| F setposition | | listablefields | data table |
| F setspacekerns | | listcodes | data table |
| insert_after | function | listtoutf | function |
| insert_before | function | literalvalues | data table |
| insert_list_after | function | load | function |
| installattributehandler | function | locate | function |

| | | |
|-------------------------|------------|----------------------|
| margincodes | data table | F firstcharacter |
| marginkerncodes | data table | F firstcharinbox |
| markers | table | F firstglyph |
| F get | | F flush |
| mathcodes | data table | F flush_list |
| maxboxwidth | function | F flush_node |
| mlist_to_hlist | function | F free |
| new | function | F fullhpack |
| noadcodes | data table | F get_components |
| noadoptions | table | F get_synctex_fields |
| N axis | | F getattr |
| N exact | | F getattribute |
| N left | | F getattributelist |
| N middle | | F getattrlist |
| N no_axis | | F getboth |
| N right | | F getbox |
| N set | | F getboxglue |
| N unused_1 | | F getchar |
| N unused_2 | | F getcomponents |
| nodecodes | data table | F getdepth |
| nopts | function | F getdir |
| nuts | table | F getdirection |
| F append | | F getdisc |
| F apply | | F getdiscretionary |
| F applyvisuals | | F getfam |
| F check_discretionaries | | F getfield |
| F concat | | F getfont |
| F copy | | F getglue |
| F copy_list | | F getheight |
| F copy_no_components | | F getid |
| F copy_node | | F getkern |
| F copy_only_glyphs | | F getlang |
| F copy_properties | | F getlanguage |
| F copyvisual | | F getleader |
| F count | | F getlist |
| F count_components | | F getnext |
| F countall | | F getnucleus |
| F current_attr | | F getoffsets |
| F delete | | F getpenalty |
| F dimensions | | F getprev |
| F effective_glue | | F getprop |
| F end_of_math | | F getshift |
| F find_attribute | | F getsub |
| F first_glyph | | F getsubtype |

| | |
|---------------------|--------------------|
| F getsup | F fraction |
| F getsurround | F glue |
| F getwhd | F gluespec |
| F getwidth | F glyph |
| F has_attribute | F hlist |
| F has_field | F italicern |
| F has_glyph | F kern |
| F hpack | F latelua |
| F insert_after | F lateluafunction |
| F insert_before | F leader |
| F insert_list_after | F leftmarginkern |
| F is_char | F leftskip |
| F is_direct | F lineskip |
| F is_display_math | F mathchar |
| F is_glyph | F mathtextchar |
| F is_node | F negatedglue |
| F is_nut | F noad |
| F is_zero_glue | F pdfannotation |
| F ischar | F pdfdestination |
| F isglyph | F pdfdirectliteral |
| F kerning | F pdfliteral |
| F last_node | F pdforiginliteral |
| F leftmarginwidth | F pdfpageliteral |
| F length | F pdfrawliteral |
| F ligaturing | F pdfrestore |
| F link | F pdfsave |
| F linked | F pdfsetmatrix |
| F locate | F penalty |
| F mlist_to_hlist | F radical |
| F nestedtracedslide | F register |
| F new | F rightmarginkern |
| T pool | F rightskip |
| F accent | F rule |
| F baselineskip | F shrink |
| F boundary | F special |
| F choice | F stretch |
| F cleanup | F subbox |
| F delim | F sublist |
| F delimiter | F temp |
| F direction | F textdir |
| F disc | F usage |
| F emptyrule | F userattributes |
| F fence | T userids |
| F fontkern | N margins.inline |

| | |
|------------------------|----------------------|
| N property | F setfield |
| N splitters.one | F setfont |
| N splitters.two | F setglue |
| F userlist | F setheight |
| F userlua | F setkern |
| F usernumber | F setlang |
| F userrule | F setlanguage |
| F userstring | F setleader |
| F usertokens | F setlink |
| F vlist | F setlist |
| F wordboundary | F setnext |
| F prepend | F setnucleus |
| F protect_glyph | F setoffsets |
| F protect_glyphs | F setpenalty |
| F protrusion_skippable | F setprev |
| F rangedimensions | F setprop |
| F rawprop | F setshift |
| F reference | F setsplit |
| F rehpack | F setsub |
| F remove | F setsubtype |
| F repackhlist | F setup |
| F replace | F setsurround |
| F rightmarginwidth | F setunsetattributes |
| T rules | F setvisual |
| F userrule | F setvisuals |
| F set_attribute | F setwhd |
| F set_components | F setwidth |
| F set_synctex_fields | F slide |
| F setattr | F somepenalty |
| F setattribute | F somespace |
| F setattributelist | F splitbox |
| F setattributes | F tail |
| F setattrlist | F take_components |
| F setboth | F takeattr |
| F setbox | F takebox |
| F setboxglue | F takelist |
| F setchar | F theprop |
| F setcomponents | F tonode |
| F setdepth | F tonodes |
| F setdir | F tonut |
| F setdirection | F tosequence |
| F setdisc | F toString |
| F setdiscretionary | F tracedslide |
| F setfam | F traverse |

| | | | |
|----------------------------|------------|-----------------------------|------------|
| F traverse_char | | F cleanup | |
| F traverse_id | | F glyph | |
| T typesetters | | F hlist | |
| F tohbox | | F kern | |
| F tohpack | | F latelua | |
| F tonodes | | F lineskip | |
| F tovbox | | F pdfdirectliteral | |
| F tovpack | | F pdforiginliteral | |
| F unprotect_glyph | | F pdfrestore | |
| F unprotect_glyphs | | F pdfsave | |
| F unset_attribute | | F pdfsetmatrix | |
| F unsetattribute | | F register | |
| F unsetattributes | | F rule | |
| F untracedslide | | F special | |
| F use_components | | F usage | |
| F usedlist | | F usernumber | |
| F uses_font | | F vlist | |
| F vianodes | | prepend | function |
| F vianuts | | print | function |
| F vpack | | processors | table |
| F write | | F contribute_filter | |
| packlist | function | B enabled | |
| pardir_is_equal | data table | F hpack_filter | |
| pardir_is_opposite | data table | F post_linebreak_filter | |
| pardir_is_parallel | data table | F pre_linebreak_filter | |
| partextdir_is_equal | data table | F tracer | |
| pdfliteralvalues | data table | processranges | function |
| penaltycodes | data table | processwords | function |
| plugindata | table | properties | table |
| F finalizer | | T actions | |
| F initializer | | F delayed | |
| S name | | F fdelayed | |
| T namespace | | F immediate | |
| N attribute | | F attach | |
| D data | | T data | |
| F enable | | F delayed | |
| F handler | | protect_glyph | function |
| F register | | protect_glyphs | function |
| D registered | | protrusion_skippable | function |
| D values | | pts | function |
| F processor | | radicalcodes | data table |
| points | function | rangedimensions | function |
| pool | table | reference | function |
| F baselineskip | | references | table |

| | |
|---------------------------|------------|
| N attribute | |
| T done | |
| F handler | |
| T stack | |
| reheap | function |
| remove | function |
| repackhlist | function |
| replace | function |
| report | function |
| rightmarginwidth | function |
| rulecodes | data table |
| rules | table |
| D data | |
| F define | |
| F enable | |
| F handler | |
| T ruleactions | |
| F box | |
| F draw | |
| F fill | |
| F mp | |
| F stroke | |
| F userrule | |
| save | function |
| serialize | function |
| serializebox | function |
| set_attribute | function |
| setattr | function |
| setattribute | function |
| setattributes | function |
| setboth | function |
| setbox | function |
| setboxtonaturalwd | function |
| setfield | function |
| setglue | function |
| setlink | function |
| setlist | function |
| setnext | function |
| setprev | function |
| setunsetattributes | function |
| setwhd | function |
| shifts | table |
| D data | |
| F define | |

| | |
|-----------------------------|------------|
| F enable | |
| F handler | |
| show | function |
| showboxes | function |
| showcodes | function |
| showlist | function |
| showsimplelist | function |
| skipcodes | data table |
| skipvalues | data table |
| slide | function |
| snapshots | table |
| F getparameters | |
| F getsamples | |
| F resetsamples | |
| F takesample | |
| somepenalty | function |
| somespace | function |
| splitbox | function |
| stripdiscretionaries | function |
| stripping | table |
| T glyphs | |
| F set | |
| striprange | function |
| tail | function |
| takeattr | function |
| takebox | function |
| tasks | table |
| F actions | |
| F appendaction | |
| F disableaction | |
| F disablegroup | |
| F enableaction | |
| F enablegroup | |
| F freeze | |
| F freezegroup | |
| F new | |
| F prependaction | |
| F removeaction | |
| F replaceaction | |
| F restart | |
| F setaction | |
| F showactions | |
| F table | |
| texmdir_is_equal | data table |

| | | | |
|----------------------------|------------|-------------------------|------------|
| 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_glyph | function |
| F setlist | | unprotect_glyphs | function |
| F fontchar | | unset_attribute | function |
| T frequencies | | unsetattribute | function |
| F register | | unsetattributes | function |
| T pool | | usedlist | function |
| T nodes | | usercodes | data table |
| F rule | | vianodes | function |
| T nuts | | vianuts | function |
| F rule | | visualizebox | function |
| F resetproperties | | visualizers | table |
| F rule | | | |

F attribute
T attributes
F box
F handler
F markfonts
F setfont
F setlayer

F setruledglyph
F setvisual
vpack
whatcodes
whatsitcodes
write

function
data table
data table
function

number (context)

| | |
|-----------------------|------------|
| | function |
| basepoints | function |
| bytetodecimal | function |
| compactfloat | function |
| decimaltobyte | function |
| dimenfactors | data table |
| formatted | function |
| formattedfloat | function |
| maxdimen | number |
| nopts | function |
| percent | function |
| points | function |
| pts | function |
| signed | function |
| sparseexponent | function |
| splitdimen | function |
| tobasepoints | function |
| tobitstring | function |

| | |
|-----------------------|----------|
| tocentimeters | function |
| tociceros | function |
| tocontext | function |
| todidots | function |
| todimen | function |
| toevenhex | function |
| toinches | function |
| tomillimeters | function |
| tonewciceros | function |
| tonewdidots | function |
| tonumberf | function |
| tonumberg | function |
| topicas | function |
| topoints | function |
| toscaled | function |
| toscaledpoints | function |
| valid | function |

objects (context)

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

os (basic lua)

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

package (basic lua)

| | | | |
|----------------------|----------|--------------------|-------------------|
| config | string | luapaths | function |
| cpath | string | path | overloaded string |
| extralibpath | function | poplibpath | function |
| extralibpaths | function | popluapath | function |
| extralupath | function | preload | table |
| extralupaths | function | pushlibpath | function |
| helpers | table | pushluapath | function |
| libpaths | function | searchers | table |
| loaded | table | searchpath | function |
| loaders | table | seeall | function |
| loadlib | 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 sethspace
- F setlines
- F setproperties
- F setstart
- F setvsize

injections table

- F flushafter
- F flushbefore
- F save

mixedcolumns table

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

pdf (basic tex)

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

setxformresources

function

xformname

function

pdfscanner (context)

scan function

physics (context)

units table

F registerunit

D tables

publications (context)

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

| | | |
|----------------|------------------------|------------|
| T sets | S pages | |
| T author | S volume | |
| T editionset | S version | |
| T virtual | D 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 | |

| | | | |
|---------------------------|----------|----------------------------|----------|
| lastofrange | function | F refman | |
| lists | table | F registercleaner | |
| | | F xml | |
| F collectentries | | loadreplacementfile | function |
| F combiinlist | | new | function |
| F fetchentries | | okay | function |
| F filterall | | oneorange | function |
| F flushcombi | | parenttag | function |
| F flushentry | | permitted | function |
| F flushtag | | refman_to_btx | function |
| T methods | | resolvedname | function |
| F dataset | | save | function |
| F force | | search | function |
| F global | | setcategory | function |
| F local | | setspecification | function |
| F nofregistered | | singularorplural | function |
| F prepareentries | | sortedentries | function |
| F register | | sortmethods | table |
| F sameasprevious | | | |
| 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 short | | N nofdatasets | |
| F tag | | N nofdefinitions | |
| load | function | N nofshortcuts | |
| loadbibdata | function | tables | table |
| loaddefinitionfile | function | D implicits | |
| loaders | table | D origins | |
| F bbl | | D privates | |
| F bib | | D sets | |
| F buffer | | D specials | |
| F endnote | | D types | |
| F json | | D virtuals | |
| F lua | | tags | function |

tracers

table

F showdatasetauthors
F showdatasetcompleteness
F showdatasetfields
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)

| | |
|--------------------|------------|
| backmapping | data table |
| cleanup | function |
| disable | function |
| enable | function |
| fromregime | function |
| list | function |

| | |
|------------------|------------|
| mapping | data table |
| pop | function |
| process | function |
| push | function |
| toregime | function |
| translate | function |

resolvers (context)

| | | | |
|-------------------------------------|------------|--------------------------------|------------|
| allprefixes | function | findpath | function |
| appendhash | function | findtexfile | function |
| automount | function | findwildcardfile | function |
| automounted | table | findwildcardfiles | function |
| booleanvariable | function | formatofsuffix | function |
| cacheversion | string | formatofvariable | function |
| checkedvariable | function | formats | data table |
| cleanedpathlist | function | foundintree | function |
| cleanpath | function | foundintrees | function |
| cleanpathlist | function | generators | data table |
| concatinators | data table | get_from_content | function |
| configbanner | string | getenv | function |
| configurationfiles | function | getextrapaths | function |
| criticalvars | data table | getfilehashes | function |
| dangerous | data table | gethashes | function |
| datastate | function | getownpath | function |
| defaultsuffixes | table | getreadfilename | function |
| dowithfilesandreport | function | hashers | data table |
| dowithfilesintree | function | homedir | string |
| dowithpath | function | initialized | function |
| dowithvariable | function | inputstack | table |
| env | function | installinputfilehandler | function |
| executers | table | installinputlinehandler | function |
| expandbraces | function | jobpath | function |
| expandedpathfromlist | function | jobs | table |
| expandedpathlist | function | F currentcomponent | |
| expandedpathlistfromvariable | function | F currentenvironment | |
| expandpath | function | F currentproduct | |
| expandpathfromvariable | function | F currentproject | |
| expansion | function | F justacomponent | |
| extendtexmfvariable | function | D processors | |
| filtered_from_content | function | F productcomponent | |
| find_file | function | F usefile | |
| find_files | function | joinpath | function |
| findbinfile | function | knownvariables | function |
| findctxfile | function | load | function |
| finders | data table | loadbinfile | function |
| findfile | function | loaders | data table |
| findfiles | function | loadlua lib | function |
| findgivenfile | function | loadtexfile | function |
| findgivenfiles | function | loadtime | function |

| | | | |
|--------------------------|------------|---------------------------------|------------|
| locateformat | function | savers | data table |
| locators | data table | scandata | function |
| luacnffallback | string | scanfiles | function |
| luacnfname | string | schemes | table |
| luacnfspec | string | T cleaners | |
| luacnfstate | string | F md5 | |
| macros | table | F none | |
| F convertfile | | F strip | |
| F decodecomment | | F cleanname | |
| F enablecomment | | F fetchstring | |
| F encodecomment | | F fetchtable | |
| F preprocessed | | F install | |
| F processmk | | setdynamic | function |
| F processmkvi | | setenv | function |
| F version | | setmemstream | function |
| maxreadlevel | number | showpath | function |
| methodhandler | function | simplescanfiles | function |
| openbinfile | function | splitconfigurationpath | function |
| openers | data table | splitexpansions | function |
| openfile | function | splitmethod | function |
| opentexfile | function | splitpath | function |
| ownpath | string | stackpath | function |
| popextrapath | function | starttiming | function |
| poppath | function | stoptiming | function |
| prefixes | data table | suffixes | data table |
| prependhash | function | suffixmap | data table |
| pushextrapath | function | suffixofformat | function |
| pushpath | function | texdatablob | function |
| registerextrapath | function | toppath | function |
| registerfile | function | unexpandedpath | function |
| registerfilehash | function | unexpandedpathlist | function |
| registerintrees | function | unresolve | function |
| registermethod | function | updaterelations | function |
| registerzipfile | function | updatescript | function |
| relations | data table | uselibrary | function |
| renew | function | usertypes | data table |
| renewcache | function | usezipfile | function |
| repath | function | validatedpath | function |
| reset | function | variable | function |
| resetextrapaths | function | variableofformat | function |
| resetmemstream | function | variableofformatorsuffix | function |
| resetresolve | function | wildcardpattern | function |
| resolve | function | | |

sandbox (context)

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

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

scripts (context)

| | | |
|-------------------------------------|------------|------------------------------------|
| autofontfeature | table | N inter_char_stretch_factor |
| F disable | | N inter_word_stretch_factor |
| F enable | | |
| 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 | | |
| | | handlers data table |
| | | hash table |
| | | injectors data table |
| | | installdataset function |
| | | installmethod function |
| | | numbertocategory data table |
| | | numbertodataset data table |
| | | numbertohandler data table |
| | | reset function |
| | | set function |
| | | splitters data table |

set (context)

contains function

create function

tolist function

tonumber function

totable function

sio (context)

| | |
|----------------------|----------|
| read2dot14 | function |
| readbytes | function |
| readbytetable | function |
| readcardinal1 | function |
| readcardinal2 | function |
| readcardinal3 | function |
| readcardinal4 | function |

| | |
|---------------------|----------|
| readfixed2 | function |
| readfixed4 | function |
| readinteger1 | function |
| readinteger2 | function |
| readinteger3 | function |
| readinteger4 | function |

socket (extra lua)

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

| | | |
|-------------------------|--------------------|----------|
| S proxy-authenticate | F b64 | |
| S proxy-authorization | F decode | |
| S range | T decodet | |
| S received | F base64 | |
| S received-from-mta | F quoted-printable | |
| S references | F dot | |
| S referer | F encode | |
| S remote-mta | T encodet | |
| S reply-to | F base64 | |
| S reporting-mta | F quoted-printable | |
| S resent-bcc | F eol | |
| S resent-cc | F normalize | |
| S resent-date | F qp | |
| S resent-from | F qpwrp | |
| S resent-message-id | F stuff | |
| S resent-reply-to | F unb64 | |
| S resent-sender | F unqp | |
| S resent-to | F wrap | |
| S retry-after | T wrapt | |
| S return-path | F base64 | |
| S sender | F default | |
| S server | F quoted-printable | |
| S smtp-remote-recipient | F text | |
| S status | F wrp | |
| S subject | newtry | function |
| S te | protect | function |
| S to | select | function |
| S trailer | sink | function |
| S transfer-encoding | sinkt | table |
| S upgrade | F close-when-done | |
| S user-agent | F default | |
| S vary | F http-chunked | |
| S via | F keep-open | |
| S warning | skip | function |
| S will-retry-until | sleep | function |
| S www-authenticate | smtp | table |
| S x-mailer | S DOMAIN | |
| http | N PORT | |
| N TIMEOUT | S SERVER | |
| S USERAGENT | N TIMEOUT | |
| F genericform | S ZONE | |
| F open | F message | |
| F request | F open | |
| mime | F send | |
| table | | |

| | | | |
|----------------|----------|--------------|----------|
| source | function | try | function |
| sourcet | table | udp | function |
| F by-length | | udp4 | function |
| F default | | udp6 | function |
| F http-chunked | | url | table |
| F until-closed | | F absolute | |
| tcp | function | F build | |
| tcp4 | function | F build_path | |
| tcp6 | function | F escape | |
| tp | table | F parse | |
| N TIMEOUT | | F parse_path | |
| F connect | | F unescape | |

sorters (context)

| | | | |
|---------------------|----------|------------------------|------------|
| basicsorter | function | | B pm |
| comparers | table | | B uc |
| F basic | | | B zc |
| constants | table | | B zm |
| S defaultdigits | | definitions | data table |
| S defaultlanguage | | firstofsplit | function |
| S defaultmethod | | packch | function |
| N digitmaximum | | packuc | function |
| N digitoffset | | replacementlist | function |
| N ignoredoffset | | setlanguage | function |
| N replacementoffset | | sort | function |
| T validmethods | | splitters | table |
| B ch | | F utf | |
| B mc | | strip | function |
| B mm | | tracers | data table |
| B pc | | update | function |

statistics (context)

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

status (basic tex)

list function

resetmessages function

setexitcode function

storage (context)

| | | | |
|-------------------|----------|------------------------|------------|
| allocate | function | noftables | number |
| data | table | register | function |
| mark | function | shared | data table |
| marked | function | storedfunctions | data table |
| max | number | strip | boolean |
| min | number | tofmodules | number |
| nofmodules | number | toftables | number |

streams (context)

| | |
|-------------------|----------|
| collect | function |
| disable | function |
| enable | function |
| flush | function |
| initialize | function |

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

string (basic lua)

| | | | |
|-----------------------|----------|------------------------|----------|
| autodouble | function | quote | function |
| autosingle | function | quoted | function |
| booleanstring | function | rep | function |
| byte | function | replacenewlines | function |
| bytepairs | function | reverse | function |
| bytes | function | split | function |
| bytetable | function | splitlines | function |
| char | function | splitup | function |
| characterpairs | function | strip | function |
| characters | function | sub | function |
| checkedsplit | function | tformat | function |
| collapsespaces | function | toHEX | function |
| count | function | toboollean | function |
| dump | function | tobytes | function |
| escapedpattern | function | tocontext | function |
| explode | function | todec | function |
| find | function | todimen | function |
| format | function | tohex | function |
| formatter | function | tonodes | function |
| formatters | function | topattern | function |
| fullstrip | function | totable | function |
| gmatch | function | toutf | function |
| gsub | function | tracedchar | function |
| is_boolean | function | tracedchars | table |
| is_empty | function | unpack | function |
| itself | function | unquote | function |
| len | function | unquoted | function |
| limit | function | upper | function |
| longtostring | function | utfcharacter | function |
| lower | function | utfcharacters | function |
| match | function | utflength | function |
| nospaces | function | utfpadd | function |
| nspaces | table | utfpadding | function |
| optionalquoted | function | utfvalue | function |
| pack | function | utfvalues | function |
| packsize | function | valid | function |

structures (context)

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

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

| | |
|---------------------|----------------------------------|
| F ordered | F define |
| F postpone | F found |
| F resetpostponed | F get |
| F restore | F filter |
| F save | F filterdefault |
| F setstate | D filters |
| D states | D flaginternals |
| F store | F from |
| pages | D functions |
| | F get |
| F allmarked | F getcurrentmetadata |
| F analyze | F getcurrentprefixspec |
| D collected | F getinnermethod |
| F in_body | F getinternalcachedlistreference |
| F is_odd | F getinternallistreference |
| F mark | F getinternalreference |
| F marked | F getoutermethod |
| N nopages | D handlers |
| F number | F identify |
| F on_right | F import |
| F save | F inject |
| D tobesaved | F injectcurrentset |
| F toranges | S innermethod |
| references | D internals |
| | F load |
| F analyze | F loadpresets |
| F checkedfile | F mark |
| F checkedfileorurl | S outermethod |
| F checkedprogram | D pages |
| F checkedrealpage | U prefixsplitter |
| F checkedurl | D productdata |
| D collected | T programs |
| U componentsplitter | T data |
| F currentmetadata | F define |
| F currentorder | F get |
| D currentset | F realpageofpage |
| F define | U referencesplitter |
| D defined | D referred |
| D derived | F referredpage |
| F enableinteraction | F registerfinalizer |
| F enhance | F registerinitializer |
| D executers | F registerpage |
| F expandcurrent | F reset |
| F export | D runners |
| T files | |
| T data | |

- F set
- F setandgetattribute
- F setcomponent
- F setinternalreference
- F setlinkmethod
- F setnextinternal
- F setnextorder
- F setreferencerealpage
- D specials
- F splitcomponent
- F splitprefix
- F splitreference
- F synchronizepage
- T testrunners
 - F inner
 - F special
 - F special operation
 - F special operation with arguments
- T testspecials
 - F deltapage
 - F i
 - F internal
 - F page
 - F realpage
 - F section
 - F userpage
- D tobereferred
- D tobesaved
- D tracedpages
- T urls
 - T data
 - F define
 - F found
 - F get
 - F untex
- D usedinternals
- D usedviews
- F valid

registers

- F analyze
- D collected
- F compare
- F define
- F enhance

table

- F extend
- F filter
- F filtercollected
- F finalize
- F findinternal
- F flush
- F get
- F prepare
- F process
- F setmethod
- F sort
- F store
- D tobesaved
- F unique
- F userdata

sections

- 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

table

| | | | |
|--------------------|--------------|---------------------------|--------------|
| F save | | F resetused | |
| T sectionblockdata | | F sort | |
| T bodypart | | F synonym | |
| S bookmark | | D tobesaved | |
| F set | | tags | table |
| F setblock | | F elementtag | |
| F setchecker | | F finishexport | |
| F setentry | | F getid | |
| F setinitialblock | | F getmetadata | |
| F setlevel | | F handler | |
| F setnumber | | F initializeexport | |
| F structuredata | | D labels | |
| F title | | F last | |
| D tobesaved | | F lastinchain | |
| F typesetnumber | | F locatedtag | |
| F userdata | | T patterns | |
| B verbose | | U splitter | |
| sets | table | D properties | |
| F define | | F registermetadata | |
| F get | | F restart | |
| F getall | | F setaspect | |
| D setlist | | F setattributefield | |
| specials | table | F setcombination | |
| D collected | | F setconstruct | |
| F retrieve | | F setfigure | |
| F store | | F setfloat | |
| D tobesaved | | F sethighlight | |
| synonyms | table | F setitem | |
| F analyzed | | F setitemgroup | |
| D collected | | F setlist | |
| F compare | | F setnotation | |
| F define | | F setnotationsymbol | |
| F filter | | F setproperty | |
| F finalize | | F setregister | |
| F flush | | F setsorting | |
| F isshown | | F setsynonym | |
| F isused | | F settablecell | |
| F meaning | | F settabletecell | |
| F prepare | | F settagdelimitedsymbol | |
| F process | | F settagsubsentencesymbol | |
| F register | | F setupexport | |
| F registershown | | F setuserproperties | |
| F registerused | | D specifications | |
| F resetshown | | F start | |

F stop

T usewithcare

F strip

T images

D taglist

table (basic lua)

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

tex (basic tex)

| | | | |
|---------------------------------|------------|----------------------------|---------------------|
| attribute | table | getmuglue | function |
| badness | function | getmuskip | function |
| box | table | getnest | function |
| catcode | table | getpagestate | function |
| conditionals | data table | getsfcode | function |
| constants | data table | getskip | function |
| count | table | gettoks | function |
| cprint | function | getuccode | function |
| ctdcatcodes | number | glue | table |
| ctxcatcodes | number | hashtokens | function |
| definefont | function | ifs | data table |
| delcode | table | inimatcodes | number |
| dimen | table | init_rand | function |
| directives | data table | isattribute | function |
| enableprimitives | function | isbox | function |
| error | function | iscount | overloaded function |
| extraprimitives | function | isdefined | function |
| finish | function | isdimen | overloaded function |
| fontidentifier | function | ismuskip | overloaded function |
| fontname | function | isskip | overloaded function |
| force_synctex_line | function | istoken | function |
| force_synctex_tag | function | istoks | function |
| fprint | function | lccode | table |
| get | function | linebreak | function |
| get_synctex_line | function | lists | table |
| get_synctex_mode | function | lua_math_random | function |
| get_synctex_tag | function | lua_math_randomseed | function |
| getattribute | function | luacatcodes | number |
| getbox | function | mathcode | table |
| getboxresourcedimensions | function | modes | data table |
| getcatcode | function | muglue | table |
| getcount | function | muskip | table |
| getdelcode | function | nest | table |
| getdelcodes | function | nilcatcodes | number |
| getdimen | function | normal_rand | function |
| getglue | function | notcatcodes | number |
| getlccode | function | number | function |
| getlist | function | primitives | function |
| getmath | function | print | function |
| getmathcode | function | prtcacodes | number |
| getmathcodes | function | resetparagraph | function |

| | | | |
|-----------------------------|----------|-------------------------|------------|
| romannumeral | function | settoks | function |
| round | function | setuccode | function |
| run | function | sfcode | table |
| saveboxresource | function | shipout | function |
| scale | function | show_context | function |
| scantoks | function | skip | table |
| set | function | sp | function |
| set_synctex_line | function | splitbox | function |
| set_synctex_mode | function | sprint | function |
| set_synctex_no_files | function | systemmodes | data table |
| set_synctex_tag | function | takebox | function |
| setattribute | function | texcatcodes | number |
| setbox | function | toks | table |
| setcatcode | function | tpacatcodes | number |
| setcount | function | tpbcatcodes | number |
| setdelcode | function | tprint | function |
| setdimen | function | trackers | data table |
| setglue | function | triggerbuildpage | function |
| setlccode | function | txtcatcodes | number |
| setlist | function | type | function |
| setmath | function | uccode | table |
| setmathcode | function | uniform_rand | function |
| setmuglue | function | uniformdeviate | function |
| setmuskip | function | uprint | function |
| setnest | function | useboxresource | function |
| setsfcode | function | vrbcacodes | number |
| setskip | function | write | function |

texconfig (basic tex)

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

texio (basic tex)

closeinput function

setescape function

write function

write_nl function

token (basic tex)

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

tokens (context)

astable function
bgroup userdata
bits table

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

collectors table

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

compile function
constant function
converters table

S toboolean
S todimen
S toglue
S tonumber
S tostring

defined function
egroup userdata
getters table

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

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

F boolean
F code
F conditional
F count
F csname
F dimen
F dimension
F glue
F integer
F keyword
F keywordcs
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 char

F count

F dimen

F glue

F macro

F skip

shortcuts table

T bits

N active

N alignment

N begingroup

N character

N close

N comment

N endgroup

N endoffline

N escape

N ignore

N invalid

N letter

N mathshift

N open

N other

N parameter

N space

N subscript

N superscript

N whitespace

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 scankeywordcs

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 keywordcs

F list

F lxmlid

F number

F scanclose

F scanopen

F skip

F string

F token

F tokens

F toks

F word

F scannumber

F scanopen

F scanstring

F scanword

F toboolean

F todimen

T tokens

F astable

U bgroup

T collectors

F defaultwords

F dowithwords

F flush

F install

F register

F show

F test

F compile

F constant

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

tracers (context)

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

trackers (context)

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

typesetters (context)

alignments table

F handler
F set

breakpoints table

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

cases table

T actions
F handler
F register
F set

characteralign table

F handler
F resetcharacteralign
F setcharacteralign

characters table

F handler
T methods
F replacensp
F replacenspaces

checkers table

F handler
F reset
F set

cleaners table

F handler
F set

digits table

T actions
F handler
F set

directions table

F getfences
F getglobal
F getmethod
F handler

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

firstlines table

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

fontkerns table

F handler

initials table

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

injectors table

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

italics table

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

kerns table

D factors
F handler
F keepligature
B keptogether
D mapping
F set

manipulators table

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

margins table

F finalhandler
F globalhandler
F localhandler
F save

marksuspects function

paragraphs table

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

periodkerns table

D factors
F handler
D mapping
F set

processors table

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

rubies table

F attach
F check

showsuspects function

spacings table

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

F reset
F set
F setup

wrappers table

F handler

xtables table

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

unicode (extra lua)

ascii table

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

grapheme table

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

latin1 table

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

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

toutf32string function

utf8 table

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

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

url (context)

| | |
|------------------|----------|
| addscheme | function |
| barepath | function |
| construct | function |
| decode | function |
| encode | function |
| escape | function |
| filename | function |

| | |
|--------------------|----------|
| hashed | function |
| hasscheme | function |
| query | function |
| split | function |
| toquery | function |
| unescape | function |
| unescapeget | function |

utf8 (context)

| | |
|--------------------|----------|
| char | function |
| charpattern | string |
| codepoint | function |

| | |
|---------------|----------|
| codes | function |
| len | function |
| offset | function |

utilities (context)

debugger table

- F disable
- F enable
- F savestats
- F showstats
- F showtraceback

files table

- F close
- F getposition
- F getsize
- F look
- F open
- F read2dot14
- F readbyte
- F readbytes
- F readbytetable
- F readcardinal
- F readcardinal1
- F readcardinal2
- F readcardinal2le
- F readcardinal3
- F readcardinal3le
- F readcardinal4
- F readcardinal4le
- F readchar
- F readfixed2
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger2
- F readinteger2le
- F readinteger3
- F readinteger3le
- F readinteger4
- F readinteger4le
- F readsignedbyte
- F readstring
- F readtag
- F setposition
- F size
- F skip

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

formatters table

- F formatcolumns
- F list
- F stripzeros

garbagecollector table

- F check
- N criterium
- B enabled

lua table

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

packers table

- F hashed
- F new

- F pack
- F simplehashed
- F strip
- F unpack
- N version

parsers **table**

- F add_settings_to_array
- F arguments_to_table
- F array_to_string
- F csvsplitter
- F getparameters
- F groupedsplitat
- F hash_to_string
- T hashes
- T settings_to_set
 - T min,max,fit,broad,auto
 - B auto
 - B broad
 - B fit
 - B max
 - B min
 - 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_obey_fences
- F settings_to_array_with_repeat
- F settings_to_hash
- F settings_to_hash_strict
- F settings_to_hash_tolerant
- F settings_to_numbers
- F settings_to_set
- F simple_hash_to_string
- F splitmethod
- F splitthousands
- F stepper
- F stripped_settings_to_array
- F unittotex
- F unittoxml

randomizer **table**

- F get
- F getnumber
- F getseed
- F popseed
- F pushseed
- F reuseseed
- F setseed
- F setseedi

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 readinteger4 | |
| F enable | | F readinteger4le | |
| F initialize | | F readsignedbyte | |
| F list | | F readstring | |
| F new | | F setposition | |
| F register | | F size | |
| F report | | F skip | |
| F reset | | F skipbytes | |
| F show | | F skiplong | |
| stacker | table | F skipshort | |
| F new | | strings | table |
| storage | table | F collapsecrlf | |
| F allocate | | T formatters | |
| F checked | | F add | |
| F mark | | F new | |
| F marked | | F newcollector | |
| F setinitializer | | F newrepeater | |
| F sparse | | F nice | |
| streams | table | T striplinepatterns | |
| F close | | U collapse | |
| F getposition | | U prune | |
| F look | | U prune and collapse | |
| F open | | U prune and no empty | |
| F read2dot14 | | U retain | |
| F read2dot4 | | U retain and collapse | |
| F readbyte | | U retain and no empty | |
| F readbytes | | F striplines | |
| F readbytetable | | F striplong | |
| F readcardinal | | F tabtospace | |
| F readcardinal1 | | T tracers | |
| F readcardinal2 | | tables | table |
| F readcardinal2LE | | F accesstable | |
| F readcardinal3 | | F definedtable | |
| F readcardinal3le | | F definetable | |
| F readcardinal4 | | F encapsulate | |
| F readchar | | F insertaftervalue | |
| F readfixed2 | | F insertbeforevalue | |
| F readfixed4 | | F migratetable | |
| F readinteger | | F removevalue | |
| F readinteger1 | | F replacevalue | |
| F readinteger2 | | templates | table |
| F readinteger2le | | F load | |
| F readinteger3 | | F replace | |
| F readinteger3le | | | |

F replacer

F resolve

vf (context)

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

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

visualizers (context)

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

xml (context)

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

| | | | |
|-------------------|----------|------------------------------|----------|
| fillin | function | F default | |
| filter | function | F elements | |
| finalizers | table | F empty | |
| F paragraphs | | F first | |
| T tex | | F function | |
| F all | | F index | |
| F attribute | | F last | |
| F chainattribute | | F lowerall | |
| F chainpath | | F match | |
| F command | | F name | |
| F concat | | F position | |
| F concatrange | | F reverse | |
| F context | | F table | |
| F count | | F tag | |
| F ctxtext | | F tags | |
| F default | | F text | |
| F first | | F texts | |
| F function | | F upperall | |
| F index | | first | function |
| F last | | found | function |
| F lettered | | functions | table |
| F lower | | getbuffer | function |
| F lowerall | | gethandlers | function |
| F match | | gethandlersfunction | function |
| F name | | helpers | table |
| F param | | F recursetext | |
| F parameter | | include | function |
| F position | | inclusion | function |
| F reverse | | inclusions | function |
| F stripped | | index | function |
| F tag | | inheritedconvert | function |
| F tags | | inject | function |
| F text | | inject_element | function |
| F upper | | inject_element_after | function |
| F upperall | | inject_element_before | function |
| F xml | | 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 |

| | | | |
|---------------------------|----------|----------------------------|----------|
| insertcomment | function | remapname | function |
| inspect | function | remapnamespace | function |
| is_valid | function | remaptag | function |
| kind | function | rename | function |
| last | function | renamespace | function |
| lastmatch | function | reparsedentitylpeg | userdata |
| load | function | replace | function |
| lpath | function | replace_element | function |
| lpathcached | function | resetinjectors | function |
| lpathcalls | function | resolvns | function |
| lshow | function | root | function |
| makestandalone | function | save | function |
| match | function | selection | function |
| name | function | separate | function |
| newhandlers | function | serialize | function |
| nodesettostring | function | serializetotext | function |
| originalload | function | setcdata | function |
| package | function | setcomment | function |
| parent | function | sethandlersfunction | function |
| parsedentitylpeg | userdata | setinjectors | function |
| pihandlers | table | setproperty | function |
| F injector | | settings | function |
| F tex | | specialcodes | table |
| placeholders | table | S " | |
| F unknown_any_entity | | S # | |
| F unknown_dec_entity | | S \$ | |
| F unknown_hex_entity | | S % | |
| popmatch | function | S & | |
| position | function | S ' | |
| privatecodes | table | S < | |
| privatetoken | function | S > | |
| process | function | S \ | |
| process_attributes | function | S { | |
| process_elements | function | S | |
| processattributes | function | S } | |
| profiled | table | S ~ | |
| pushmatch | function | specialhandler | table |
| raw | function | sprint | function |
| registerentity | function | string | function |
| registers | function | strip | function |
| reindex | function | strip_whitespace | function |
| remap_name | function | stripelement | function |
| remap_namespace | function | stripleadingspaces | function |
| remap_tag | function | table | function |

| | | | |
|--------------------|----------|----------------------------|----------|
| text | function | traverse | function |
| textonly | function | unescaped | function |
| texttocdata | function | unescapedentitylpeg | userdata |
| tocdata | function | unprivatized | function |
| toelement | function | unspecialized | function |
| tostring | function | withelement | function |
| totable | function | withelements | function |
| toxml | function | wrap | function |
| tprint | function | xmlns | table |

zip (extra lua)

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

zlib (extra lua)

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

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