

MP aes attributes backends basexx bit32 blobs
boolean buffers builders caches callback
callbacks catcodes characters chemistry
commands containers context converters
coroutine ctxrunner debug dir directives
document documentdata drivers environment
experiments figures file fio floats font fonts
functions global graphics gzip images
interactions interfaces io job kpse language
languages layouts lfs libraries lmx loaders
logs lpdf lpeg lua luac luatex lxml math
mathematics md5 metapost mime moduledata
modules mp mplib noads node nodes number
objects optional os package pagebuilders
parametersets pdf pdfdecode pdfx physics
pngdecode posit potrace publications regimes
resolvers sandbox scripts set sha2 sio socket
sorters sparse statistics status storage
streams string structures table tex
texconditionals texconfig texconstants texifs
texio texisdefined texmodes texsystemmodes
thirddata token tokens tracers trackers
typesetters updaters url userdata utf8
utilities visualizers xcomplex xdecimal xmath
xml xzip zip zlib

ConT_EXt LMTX

global (alias: _G)

| | | | |
|----------------------------|----------|------------------------------|----------|
| CONTEXTLMTXMODE | number | debug | table |
| LUAMAJORVERSION | number | dimen | function |
| LUAMINORVERSION | number | dir | table |
| LUATEXENGINE | string | directives | table |
| LUATEXFORMATID | number | document | table |
| LUATEXFUNCTIONALITY | number | documentdata | table |
| LUATEXVERBOSE | string | dofile | function |
| LUATEXVERSION | number | drivers | table |
| LUAVERSION | number | environment | table |
| MP | function | error | function |
| aes | table | experiments | table |
| arg | table | figures | table |
| asnumber_p | function | file | table |
| assert | function | fio | table |
| attributes | table | floats | table |
| backends | table | flushsimplerule | function |
| basexx | table | flushspecialrule | function |
| bit32 | table | font | table |
| blobs | table | fonts | table |
| blockrequire | function | functions | table |
| boolean | table | getmetatable | function |
| buffers | table | getscriptstatus | function |
| builders | table | global | table |
| caches | table | graphics | table |
| callback | table | gzip | table |
| callbacks | table | handledefinitions | function |
| catcodes | table | handletransformstring | function |
| characters | table | images | table |
| checkimage | function | inspect | function |
| chemistry | table | interactions | table |
| collectgarbage | function | interfaces | table |
| collectstructure | function | io | table |
| combine | function | ipairs | function |
| commands | table | job | table |
| containers | table | kpse | table |
| context | function | language | table |
| converters | table | languages | table |
| coroutine | table | last_pdf | number |
| count | number | layouts | table |
| createmask | function | lfs | table |
| ctxrunner | table | libraries | table |

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| l <code>mx</code> | table | <code>posit</code> | table |
| <code>load</code> | function | <code>potrace</code> | table |
| loaders | data table | <code>potracefrompng</code> | function |
| <code>loadfile</code> | function | <code>print</code> | function |
| <code>loadstring</code> | function | <code>profilelines</code> | function |
| logs | table | <code>publications</code> | table |
| <code>lpdf</code> | table | <code>pushleaderlevel</code> | function |
| <code>lpeg</code> | table | <code>rawequal</code> | function |
| <code>lua</code> | table | <code>rawget</code> | function |
| <code>luac</code> | table | <code>rawlen</code> | function |
| <code>luatex</code> | table | <code>rawset</code> | function |
| <code>lxml</code> | table | <code>recolor</code> | function |
| <code>math</code> | table | <code>regimes</code> | table |
| mathematics | table | <code>require</code> | function |
| <code>mathshapekern</code> | function | <code>resolvers</code> | table |
| <code>md5</code> | table | <code>ruledspace</code> | function |
| <code>metapost</code> | table | <code>sandbox</code> | table |
| <code>mime</code> | table | <code>scripts</code> | table |
| <code>moduledata</code> | table | <code>select</code> | function |
| modules | table | <code>set</code> | table |
| <code>mp</code> | function | <code>setinspector</code> | function |
| <code>mplib</code> | table | <code>setmathparameters</code> | function |
| <code>next</code> | function | <code>setmetatable</code> | function |
| <code>noads</code> | table | <code>sha2</code> | table |
| <code>node</code> | table | <code>shipbox_ref_h</code> | number |
| <code>nodes</code> | table | <code>shipbox_ref_v</code> | number |
| <code>number</code> | table | <code>sio</code> | table |
| <code>objects</code> | table | <code>socket</code> | table |
| <code>optional</code> | table | <code>sorters</code> | table |
| <code>optionalrequire</code> | function | <code>sparse</code> | table |
| <code>os</code> | table | <code>statistics</code> | table |
| <code>p_number_p</code> | userdata | <code>status</code> | table |
| <code>p_number_u</code> | userdata | <code>storage</code> | table |
| <code>package</code> | table | <code>streams</code> | table |
| <code>pagebuilders</code> | table | <code>string</code> | table |
| <code>pairs</code> | function | <code>structures</code> | table |
| <code>parametersets</code> | table | <code>table</code> | table |
| <code>pcall</code> | function | <code>tex</code> | table |
| <code>pdf</code> | table | <code>texconditionals</code> | data table |
| <code>pdfdecode</code> | table | <code>texconfig</code> | table |
| <code>pdfx</code> | table | <code>texconstants</code> | data table |
| <code>physics</code> | table | <code>texifs</code> | data table |
| <code>pngdecode</code> | table | <code>texio</code> | table |
| <code>poplevellevel</code> | function | <code>texisdefined</code> | data table |

| | | | |
|-----------------------|------------|--------------------|----------|
| texmodes | data table | userdata | table |
| texsystemmodes | data table | utf | table |
| thirddata | table | utf8 | table |
| toboollean | function | utilities | table |
| todecimal | function | visualizers | table |
| token | table | warn | function |
| tokens | table | width | number |
| tonumber | function | xcomplex | table |
| tostring | function | xdecimal | table |
| tracers | table | xmath | table |
| trackers | table | xml | table |
| type | function | xpcall | function |
| typesetters | table | xshift | number |
| unpack | function | xzip | table |
| updaters | table | zip | table |
| url | table | zlib | table |

aes (extra lua)

decode function
encode function

random function

attributes (context)

alternates table

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

applyoverloads function

checkvalues 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 defineprocesscolordirect
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- N forced
- F forcedmodel
- F forcesupport

- F formatcolor
- F formatgray
- F formatluminance
- F formatluminanceratio
- F getpagecolormodel
- F gray
- F graytohsb
- F handler
- T helpers
 - F complement
 - F inbetween
 - F justone
- F hsvtogray
- F hsvtorgb
- F hwbtorgb
- F iccprofile
- F isblack
- F labtolch
- F labtorgb
- F labtoxyz
- F lchtolab
- F lchtorgb
- 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 rgbtogray
- F rgbtohsb
- F rgbtoxyz

| | | | |
|--------------------------|------------|-----------------------|------------|
| N selector | | D registered | |
| F setlist | | F set | |
| F setmodel | | numbers | data table |
| F setpagecolormodel | | ofnode | function |
| D sets | | private | function |
| F spec | | public | function |
| F spot | | registervalue | function |
| F spotcolorname | | restore | function |
| F spotcolorparent | | save | function |
| F spotcolorvalue | | setcleaner | function |
| B supported | | showcurrent | function |
| F toattributes | | states | table |
| F transparencycomponents | | F disabletriggering | |
| B triggering | | F enabletriggering | |
| F usecolors | | F finalize | |
| D valid | | F initialize | |
| F value | | F process | |
| D values | | F selective | |
| B weightgray | | F simple | |
| F xyztolab | | F stacked | |
| F xyztorgb | | F stacker | |
| counts | data table | system | function |
| define | function | tooverloads | function |
| effects | table | transparencies | table |
| N attribute | | N attribute | |
| D data | | D data | |
| F enable | | F enable | |
| F handler | | F forcesupport | |
| F register | | F handler | |
| D registered | | T names | |
| D values | | N color | |
| getvalue | function | N colorburn | |
| getvalues | function | N colordodge | |
| handlers | table | N darken | |
| hasvalues | function | N difference | |
| list | data table | N exclusion | |
| markasoverload | function | N hardlight | |
| names | data table | N hue | |
| negatives | table | N lighten | |
| N attribute | | N luminosity | |
| D data | | N multiply | |
| F enable | | N none | |
| F handler | | N normal | |
| F register | | N overlay | |

| | | |
|--------------------------|------------|-----------------|
| N saturation | | F enable |
| N screen | | F forcesupport |
| N softlight | | F handler |
| N none | | B hasorder |
| F register | | D listwise |
| D registered | | F register |
| B supported | | D registered |
| F toattribute | | F resolve_begin |
| B triggering | | F resolve_end |
| F value | | F resolve_reset |
| D values | | F resolve_step |
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| values | data table | F setfeatures |
| viewerlayers | table | F setup |
| N attribute | | F start |
| F cleanup | | F stop |
| D data | | B supported |
| F define | | D values |
| F definedlayoutcomponent | | |

backends (context)

closeout function

codeinjections table

F registerboxresource

F registerfont

F restoreboxresource

current string

defaults table

T codeinjections

F prerollreference

F setautoprefix

F vfstartcolor

F vfstopcolor

T nodeinjections

F cmykcolor

F destination

F graycolor

F injectknockout

F injectoverprint

F reference

F rgbcolor

F spotcolor

F transparency

T registrations

F transparency

D tables

getcallbackstate function

included table

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B date

B id

B metadata

B pdf

initialize function

latelua function

nodeinjections table

nothing function

openout function

registered table

T pdf

T codeinjections

F addbookmarks

F analyzenormalsymbol

F analyzesymbol

F attachmentid

F bitmap

F clonefield

F copyimage

F defaultprofile

F definefield

F definefieldset

F defineviewerlayer

F embedfile

F embedimage

F enabletags

F exportformdata

F fieldsurrounding

F flushmergelayer

F getbookmarks

F getboxresourcebox

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F getinfo

F getlinkstructureparent

F getpreviewfigure

F getreferencestructureobject

F getrefobj

F insertrenderingwindow

F jp2

F jpg

F maptag

F mergebookmarks

F mergecomments

F mergefields

F mergereferences

F mergerenditions

F mergeviewerlayers

F newimage

F png

F prerollreference

F presetsymbol

F presetsymbollist
 F processrendering
 F registerdocumentcloseaction
 F registerdocumentopenaction
 F registeredsymbol
 F registerfiguremask
 F registerfigurerange
 F registerpagecloseaction
 F registerpageopenaction
 F registerpattern
 F registersymbol
 F ruleactionbox
 F ruleactiondraw
 F ruleactionfill
 F ruleactionmp
 F ruleactionstroke
 F saveboxresource
 F scanimage
 F setattachmentsupport
 F setautoprefix
 F setencryption
 F setfieldcalculationset
 F setfigurealternative
 F setfigurecolorspace
 F setfiguremask
 F setformat
 F setformsmethod
 F setpagetransition
 F settaggingsupport
 F setupviewerlayer
 F setxmpfile
 F startlayer
 F startunicodetoactualtext
 F startunicodetoactualtextdirect
 F stoplayer
 F stopunicodetoactualtext
 F stopunicodetoactualtextdirect
 F supportedformats
 F unicodetoactualtext
 F useviewerlayer
 F validcompactor
 F validfield
 F validfieldcategory
 F validfieldset

F vfstartcolor
 F vfstopcolor
 F wrapimage
 S name
 T nodeinjections
 F addtags
 F annotation
 F attachfile
 F changestackedlayer
 F cmykcolor
 F comment
 F destination
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 F getboxresourcedimensions
 F graycolor
 F injectbitmap
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 F knockout
 F negative
 F overprint
 F positive
 F reference
 F rgbcolor
 F spotcolor
 F startalternate
 F startlayer
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 F stopalternate
 F stoplayer
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 F useboxresource
 T registrations
 F cmykindexcolor
 F cmykspotcolor
 F getspotcolorreference
 F grayindexcolor
 F grayspotcolor
 F rgbindexcolor
 F rgbspotcolor
 F spotcolorname
 F transparency
 T tables

registrations
setencryption
tables

table
function
table

writeout

function

basexx (extra lua)

decode16 function

decode64 function

decode85 function

decodeLZW function

decodeRL function

encode16 function

encode64 function

encode85 function

encodeLZW function

encodeRL function

bit32 (context)

arshift function
band function
bnot function
bor function
btest function
bxor function

extract function
lrotate function
lshift function
replace function
rrotate function
rshift function

blobs (context)

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

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

boolean (context)

tocontext function

tonumber function

buffers (context)

| | |
|-----------------------|----------|
| append | function |
| assign | function |
| collectcontent | function |
| empty | function |
| erase | function |
| exists | function |
| get | function |
| getcontent | function |
| getctxlua | function |
| getlines | function |
| getmkvi | function |
| gettex | function |
| loadcontent | function |

| | |
|------------------------|----------|
| parallel | table |
| F define | |
| F hassomecontent | |
| F next | |
| F place | |
| F reset | |
| F save | |
| prepend | function |
| raw | function |
| run | function |
| samplefile | function |
| splitsamplefile | function |
| undent | function |

builders (context)

| | | | |
|-------------------------|----------|---------------------------------|----------|
| checkparcontext | function | F split | |
| checksidefloat | function | F start | |
| hpack | table | F stop | |
| F qualityactions | | F tag | |
| F report | | profiling | table |
| F show | | F add | |
| kernel | table | F adddrivers | |
| F collapsing | | F boxlinehandler | |
| F hyphenating | | F distance | |
| F kerning | | F fixedprofile | |
| F ligaturing | | F get | |
| F mlisttohtml | | F getrivers | |
| local_box_filter | function | F list | |
| paragraphs | table | F pagehandler | |
| T constructors | | F pagelinehandler | |
| N attribute | | F profilebox | |
| F define | | F profilelines | |
| F disable | | F set | |
| F enable | | F setlines | |
| F handler | | registerpasspasscallback | function |
| T methods | | vpack | table |
| F basic | | F qualityactions | |
| F default | | F report | |
| F hpack | | vspacing | table |
| F oneline | | D categories | |
| D names | | F checkstrutdepth | |
| D numbers | | F collapsevbox | |
| F set | | T data | |
| F start | | D map | |
| F stop | | D skip | |
| T expansion | | D snapmethods | |
| F trace | | F definesnapmethod | |
| F keptogether | | B fixed | |
| F registertogether | | F flushcontributions | |
| T solutions | | F forcepageflush | |
| T splitters | | F forcestrutdepth | |
| F define | | F getnofpreviouslines | |
| F optimize | | F inject | |
| T registered | | F injectdisable | |
| F reset | | F injectpenalty | |
| F set | | F injectskip | |

F interceptsamepagecontent
F pagehandler
F pageoverflow
F popatsame
F pushatsame
F setmap

F setskip
F snapbox
F synchronizepage
F tocategories
F tocategory
F vboxhandler

cache (context)

| | | | |
|-----------------------------|----------|-----------------------------|----------|
| base | string | loadcontent | function |
| collapsecontent | function | loaddata | function |
| configfiles | function | more | string |
| contentstate | function | savecontent | function |
| defaults | table | savedata | function |
| getfirstreadablefile | function | setfirstwritablefile | function |
| getreadablepaths | function | setluanames | function |
| getwritablepath | function | treehash | function |
| hashed | function | usedpaths | function |
| is_writable | function | | |

callback (basic tex)

find function
known function
list function

register overloaded function
usage function

callbacks (context)

freeze function

functions table

F start_page_number

F stop_page_number

known function

list data table

pop function

push function

register function

report function

supported table

B alignment_filter

B append_line_filter

B append_to_vlist_filter

B begin_paragraph

B buildpage_filter

B define_font

B find_format_file

B find_log_file

B get_attribute

B get_math_dictionary

B get_noad_class

B glyph_run

B handle_overload

B handle_uleader

B hpack_filter

B hpack_quality

B hyphenate

B insert_distance

B insert_par

B intercept_lua_error

B intercept_tex_error

B italic_correction

B kerning

B ligaturing

B linebreak_filter

B linebreak_quality

B local_box_filter

B make_extensible

B math_rule

B missing_character

B mlist_to_hlist

B open_data_file

B packed_vbox_filter

B paragraph_context

B paragraph_pass

B post_linebreak_filter

B pre_dump

B pre_linebreak_filter

B pre_output_filter

B process_character

B process_jobname

B quality_font

B register_extensible

B show_break

B show_build

B show_error_message

B show_loners

B show_lua_call

B show_warning_message

B show_whatsit

B start_file

B start_run

B stop_file

B stop_run

B tail_append

B trace_memory

B vpack_filter

B vpack_quality

B wrapup_run

catcodes (context)

names data table

numbers data table

register function

characters (context)

| | | | |
|--------------------------|------------|-------------------------|------------|
| addcharacternames | function | T after_postscript | |
| adobename | function | T after_subscript | |
| bidirectional | data table | T anudatta | |
| blockrange | function | T before_half | |
| blocks | data table | T before_main | |
| can_have_space | data table | T before_postscript | |
| casemap | table | T before_subscript | |
| categories | data table | T below_mark | |
| category | function | T consonant | |
| categorytags | data table | T dependent_vowel | |
| classifiers | table | T halant | |
| collapsed | data table | T independent_vowel | |
| combined | 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 | |
| detailtags | data table | initialize | function |
| directions | table | is_character | data table |
| emoji | table | is_command | data table |
| F compact | | is_hyphenator | data table |
| F known | | is_letter | data table |
| F resolve | | is_mark | data table |
| emojized | function | is_nothing | data table |
| encodes | data table | is_punctuation | data table |
| entities | data table | is_spacing | data table |
| fallbacks | data table | is_symbol | data table |
| filters | data table | lcchars | data table |
| fractions | table | lccode | function |
| fromnumber | function | lccodes | data table |
| fschars | data table | lettered | function |
| fscodes | data table | lhash | data table |
| getrange | function | linebreaks | data table |
| graphemes | data table | lower | function |
| hangul | data table | mathlists | data table |
| indicgroups | table | mirrors | table |
| T above_mark | | otfscripts | data table |
| T after_half | | ranges | data table |
| T after_main | | registerentities | function |

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

chemistry (context)

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

containers (context)

cleannname function
content function
define function
is_usable function

is_valid function
read function
usecache boolean
write function

converters (context)

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

uchexnumber
uchexnumbers
upper
verbose

D data

function
function
function
table

F translate

weekday
word
words

function
function
function

coroutine (basic lua)

| | |
|--------------------|----------|
| close | function |
| 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)

getinfo function

sethook function

traceback function

dir (context)

| | |
|-----------------------|----------|
| collectpattern | function |
| current | function |
| expandlink | 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 |
| values | function |

document (context)

| | | | |
|----------------------------|------------|------------------------------|------------|
| arguments | data table | pdf_cleanup_procsets | function |
| files | table | pdf_identify_content | function |
| functions | table | pdf_serialize_content | function |
| getargument | function | pdf_strip_content | function |
| getfilename | function | pdf_strip_page | function |
| options | table | setargument | function |
| T cmdline | | setcommandline | function |
| D environments | | setdefaultargument | function |
| D modes | | setenvironments | function |
| D modules | | setfilename | function |
| T ctxfile | | setfilenames | function |
| D environments | | setmodes | function |
| D modes | | setmodules | function |
| D modules | | variables | data table |
| pdf_cleanup_cidsets | function | | |

documentdata (context)

variable function

drivers (context)

| | | |
|-------------------------|----------|-------------------|
| applyanchor | function | F updatefontstate |
| applyorientation | function | T whatsit |
| convert | function | S name |
| converters | table | T json |
| F analyze | | T actions |
| F engine | | F cleanup |
| F lmtx | | F convert |
| F resyncbox | | F finalize |
| enable | function | F initialize |
| gethpos | function | F outputfilename |
| getpos | function | F prepare |
| getrpos | function | F wrapup |
| getvpos | function | T flushers |
| helpers | table | F character |
| install | function | F popleaderlevel |
| instances | table | F pushleaderlevel |
| T empty | | F rule |
| T actions | | F setstate |
| F convert | | F simplerule |
| F prepare | | F specialrule |
| T flushers | | F updatefontstate |
| F popleaderlevel | | T whatsit |
| F pushleaderlevel | | S name |
| T whatsit | | T lua |
| S name | | T actions |
| T js | | F cleanup |
| T actions | | F convert |
| F cleanup | | F finalize |
| F convert | | F initialize |
| F finalize | | F outputfilename |
| F initialize | | F prepare |
| F outputfilename | | F wrapup |
| F prepare | | T flushers |
| F wrapup | | F character |
| T flushers | | F popleaderlevel |
| F character | | F pushleaderlevel |
| F popleaderlevel | | F rule |
| F pushleaderlevel | | F simplerule |
| F rule | | F specialrule |
| F simplerule | | F updatefontstate |
| F specialrule | | T whatsit |

| | | |
|-------------------|-----------------------|----------|
| S name | F cleanup | |
| T mpo | F convert | |
| T actions | F finalize | |
| F finalize | F initialize | |
| F initialize | F outputfilename | |
| T flushers | F prepare | |
| F character | F wrapup | |
| F popleaderlevel | T flushers | |
| F pushleaderlevel | F character | |
| F rule | F flushimage | |
| F simplerule | F fontchar | |
| F specialrule | F group | |
| T Whatsit | F literal | |
| S name | F popleaderlevel | |
| T mps | F poporientation | |
| T actions | F pushleaderlevel | |
| F cleanup | F pushorientation | |
| F convert | F restore | |
| F finalize | F rule | |
| F initialize | F save | |
| F outputfilename | F setmatrix | |
| F prepare | F setstate | |
| F wrapup | F simplerule | |
| T flushers | F space | |
| F character | F specialrule | |
| F popleaderlevel | F startclipping | |
| F pushleaderlevel | F startmatrix | |
| F rule | F startmirroring | |
| F simplerule | F startrotation | |
| F specialrule | F startscaling | |
| F updatefontstate | F stopclipping | |
| T Whatsit | F stopmatrix | |
| S name | F stopmirroring | |
| T none | F stoprotation | |
| T actions | F stopscaling | |
| T flushers | F updatefontstate | |
| F popleaderlevel | T Whatsit | |
| F pushleaderlevel | S name | |
| T Whatsit | lmtxversion | number |
| S name | outputfilename | function |
| T pdf | report | function |
| T actions | | |

environment (context)

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

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 |
| values | function |

figures (context)

| | | | |
|-------------------------|------------|-------------------------|------------|
| applyratio | function | F resetstore | |
| badname | function | F scan | |
| bases | data table | F serialize | |
| bitmapimage | function | T sizes | |
| boxnumber | number | B art | |
| cachepaths | data table | B bleed | |
| check | function | B crop | |
| checkers | data table | B media | |
| conversions | data table | B none | |
| converters | data table | B trim | |
| current | function | F storedata | |
| defaultdepth | number | F totable | |
| defaultheight | number | T types | |
| defaultsearch | boolean | N jbig2 | |
| defaultwidth | number | N jp2 | |
| done | function | N jpg | |
| dummy | function | N none | |
| exists | data table | N pdf | |
| exists | function | N png | |
| formats | data table | N stream | |
| found | data table | F wrap | |
| get | function | include | function |
| getinfo | function | includers | data table |
| getpdfinfo | function | initialize | function |
| getrealpage | function | loaded | data table |
| guess | function | localpaths | data table |
| guessfromstring | function | magics | data table |
| hash | function | mergegoodies | function |
| identifiers | data table | nofmissing | number |
| identify | function | nofprocessed | number |
| images | table | order | data table |
| F check | | paths | data table |
| F checksize | | patterns | data table |
| F copy | | pop | function |
| F create | | preferquality | boolean |
| F embed | | programs | data table |
| F embedfromstore | | push | function |
| F fetchdata | | registerpattern | function |
| T keys | | registerresource | function |
| F print | | registersuffix | function |
| F resetdata | | remappers | data table |

| | | | |
|----------------------|------------|-----------------|------------|
| resources | data table | setorder | function |
| scale | function | setpaths | function |
| set | function | suffixes | data table |
| setconversion | function | used | data table |
| setlookups | function | | |

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)

| | |
|--------------------------|----------|
| getposition | function |
| read2dot14 | function |
| readbytes | function |
| readbytetable | function |
| readcardinal1 | function |
| readcardinal1le | function |
| readcardinal2 | function |
| readcardinal2le | function |
| readcardinal3 | function |
| readcardinal3le | function |
| readcardinal4 | function |
| readcardinal4le | function |
| readcardinaltable | function |
| readcline | function |
| readcstring | function |
| readfixed2 | function |
| readfixed4 | function |
| readinteger1 | function |

| | |
|-------------------------|----------|
| readinteger1le | function |
| readinteger2 | function |
| readinteger2le | function |
| readinteger3 | function |
| readinteger3le | function |
| readinteger4 | function |
| readinteger4le | function |
| readintegertable | function |
| setposition | function |
| skipposition | function |
| writecardinal1 | function |
| writecardinal1le | function |
| writecardinal2 | function |
| writecardinal2le | function |
| writecardinal3 | function |
| writecardinal3le | function |
| writecardinal4 | function |
| writecardinal4le | 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 |
| addquality | function |
| current | function |
| define | function |
| getfont | function |
| getfontdimen | function |
| getfontspec | function |
| getmathindex | function |

| | |
|---------------------|----------|
| getmathspec | function |
| id | function |
| max | function |
| nextid | function |
| setfont | function |
| setfontdimen | function |
| xscaled | function |
| yscaled | function |

fonts (context)

| | | |
|---------------------------|-------|--------------------------|
| analyzers | table | F beforepassingfonttotex |
| D features | | D cache |
| D initializers | | F calculatyscale |
| D methods | | F checkedfeatures |
| F setstate | | F checkedfilename |
| D states | | F collectprocessors |
| B useunicodemarks | | F currentfonthasfeature |
| callbacks | table | D designsizes |
| F callback | | F enhanceparameters |
| F devirtualize | | T enhancers |
| checkers | table | T afm |
| F getmissing | | F apply |
| D mapping | | F patch |
| F missing | | T patches |
| F placeholder | | F register |
| cid | table | F report |
| F getmap | | F register |
| F loadfile | | F report |
| collections | table | T otf |
| F checkenabled | | F addfeature |
| F clonevector | | F apply |
| F define | | F enhance |
| T definitions | | F patch |
| F direct | | T patches |
| F found | | F register |
| F prepare | | F report |
| F process | | F register |
| F register | | F report |
| F registermain | | T tfm |
| F report | | F apply |
| F reset | | F patch |
| T rscales | | T patches |
| T vectors | | F register |
| constructors | table | F report |
| F addcharacters | | F register |
| F addcoreunicodes | | F report |
| F aftercopyingcharacters | | N factor |
| F applyfinalizers | | T features |
| F applymanipulators | | D afm |
| F assignmathparameters | | D otf |
| F beforecopyingcharacters | | D tfm |

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

| | |
|---------------------|------------------------------|
| F plugininitializer | F alternate |
| F pluginprocessor | F chainedcontext |
| T plugins | F context |
| T text | F extension |
| D pngcache | F ligature |
| B pngenabled | F multiple |
| T readers | F reversechainedcontextsingl |
| F addunicodetable | F single |
| F avar | F gvar |
| F cbdt | F head |
| F cblc | T helpers |
| F cff | F axistofactors |
| F cff2 | F cleannam |
| T cffencoder | F getaxisscale |
| F checkhash | F getfactors |
| F cmap | F getscales |
| F colr | F gotodatatable |
| F compact | F normalizedaxis |
| F condense | T normalizedaxishash |
| F cpal | F readvariationdata |
| F dsig | 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 gposhandlers | F name |
| F chainedcontext | F os/2 |
| F context | F pack |
| F cursive | F parsecharstrings |
| F extension | F post |
| F markto | F potracetocff |
| F marktoligature | F registerextender |
| F marktomark | F rehash |
| F pair | F sbix |
| F single | F stat |
| F gsub | T streamreader |
| T gsubhandlers | F close |

| | |
|---------------------|---------------------|
| F getposition | F writecardinal1le |
| F getsize | F writecardinal2 |
| F look | F writecardinal2le |
| F open | F writecardinal3 |
| F read2dot14 | F writecardinal3le |
| F readbyte | F writecardinal4 |
| F readbytes | F writecardinal4le |
| F readbytetable | F writeinteger1 |
| F readcardinal | F writeinteger1le |
| F readcardinal1 | F writeinteger2 |
| F readcardinal1le | F writeinteger2le |
| F readcardinal2 | F writeinteger3 |
| F readcardinal2le | F writeinteger3le |
| F readcardinal3 | F writeinteger4 |
| F readcardinal3le | F writeinteger4le |
| F readcardinal4 | F writestring |
| F readcardinal4le | F stripredundant |
| F readcardinaltable | F svg |
| F readchar | N tableversion |
| F readcline | F unifymissing |
| F readcstring | F unpack |
| F readfixed2 | F vhea |
| F readfixed4 | F vmtx |
| F readinteger | F vorg |
| F readinteger1 | F vvar |
| F readinteger1le | F woff2otf |
| F readinteger2 | F registerpalette |
| F readinteger2le | F registerplugin |
| F readinteger3 | F reorderlookups |
| F readinteger3le | F scriptandlanguage |
| F readinteger4 | F setdynamics |
| F readinteger4le | F setfeatures |
| F readintegertable | T statistics |
| F readsignedbyte | D usedfeatures |
| F readstring | D svgcache |
| F readtag | B svgenabled |
| F setposition | T tables |
| F size | D baselines |
| F skip | D features |
| F skiplong | D featuretypes |
| F skipposition | D languages |
| F skipshort | D scripts |
| F writebyte | F texthandler |
| F writecardinal1 | T vectors |

| | | |
|-------------------|-----------------------|----------|
| T arab | T combiner | |
| T gpos | D commands | |
| N curs | D helpers | |
| N kern | D math | |
| N mark | D predefined | |
| N mkmk | N version | |
| T gsub | D whatever | |
| N calt | F hashfeatures | |
| N ccmp | F hashinstance | |
| N cswh | T hashmethods | |
| N dlig | F normal | |
| N fina | F virtual | |
| N init | F initializefeatures | |
| N isol | D loadedfonts | |
| N liga | N noffontsloaded | |
| N medi | N nofsharedfonts | |
| N mset | N nofsharedhashes | |
| N rclt | N nofsharedvectors | |
| N rlig | N privateoffset | |
| N version | D privateslots | |
| T pfb | F readanddefine | |
| F filterencoding | F registerfeature | |
| F filtermetadata | F registerscriptset | |
| F loadvector | F resetfeature | |
| N version | B resolvevirtualtoo | |
| T tfm | F scale | |
| D cache | F scaled | |
| D features | F setfactor | |
| N maxnestingdepth | F setfeature | |
| N maxnestingsize | F setmathparameter | |
| T readers | F setname | |
| F loadpk | B sharefonts | |
| F loadtfm | F trytosharefont | |
| F loadtfmvf | N version | |
| F loadvf | current | function |
| F pktopdf | currentid | function |
| F potracetopdf | definers | table |
| F showpk | F addlookup | |
| F reencode | F analyze | |
| F setfeatures | F applypostprocessors | |
| N version | F checkedmode | |
| T vf | F checkedscript | |
| T combinations | S defaultlookup | |
| F combine | F define | |

- F getspecification
- F internal
- F loadfont
- F makespecification
- T methods
 - F install
 - D variants
- F read
- F register
- F registered
- F registerfallbackfont
- F registersplit
- F resetnullfont
- F resolve
- T resolvers
 - F file
 - F name
 - F spec

definetypface function

dropins table

- F clone
- F getshape
- F getshapes
- F nextid
- F provide
- F registerglyph
- F registerglyphs
- F swap
- F swapone

effects table

encodings table

- T agl
 - D ctxcodes
 - D extras
 - D synonyms
 - D unicodes
- D cache
- F is_known
- D known
- F load
- F make_unicode_vector
- D math
- N version

enhanceid function

expansions data table

formats data table

getalternate function

getindices function

getkern function

getmultiple function

getsubstitution function

getters table

- T alternate
 - F opentype
- T kern
 - F opentype
 - F type1
 - F type3
- T multiple
 - F opentype
- T substitution
 - F opentype

goodies table

- D colorschemes
- T data
 - T common-math.lfg
 - S author
 - S comment
 - S copyright
 - B initialized
 - T mathematics
 - T tweaks
 - T presets
 - F addmathkerns
 - F braille
 - F eulertocalligraphic
 - F fallbacks
 - F moderntocalligraphic
 - F moveintegrals
 - F moveitalics
 - F pagellaradical
 - F rsfstoscript
 - F rsfsuprighttoscript
 - F scripttocalligraphic
 - F smalldigits
 - F wipeanchors
 - F wipeitalics
 - F xitsarabic

- S name
- S version
- T dejavu-math
 - S author
 - S comment
 - S copyright
 - B initialized
 - T mathematics
 - T alternates
 - T dotless
 - S comment
 - S feature
 - N value
 - T bigslots
 - T parameters
 - N AccentBaseDepth
 - N AccentTopShiftUp
 - N DelimiterDisplayPercent
 - N DelimiterDisplayShortfall
 - N DelimiterPercent
 - N DelimiterShortfall
 - N DisplayOperatorMinHeight
 - N FlattenedAccentTopShiftUp
 - N FractionRuleThickness
 - S PrimeBaselineDropMax
 - S PrimeShiftUp
 - S PrimeShiftUpCramped
 - N SubscriptShiftDown
 - S SubscriptShiftDownWithSuperscript
 - N SuperscriptShiftUp
 - T tweaks
 - T aftercopying
- S name
- S version
- T dejavu-text
 - S author
 - S comment
 - S copyright
 - T extensions
 - B initialized
 - S name
 - S version
- D designsizes
- D filenames

- F getcompositions
- T list
- F load
- F prepare_features
- F register
- F registerpostprocessor
- F report
- T suffixes

| | |
|-----------------|-------|
| handlers | table |
| hashes | table |

- D characters
- D classes
- D csnames
- D descriptions
- D dynamics
- D emwidths
- D exheights
- D features
- D identifiers
- D italics
- D lastmathids
- D marks
- D mathparameters
- D modes
- D originals
- D parameters
- T processes
- D properties
- D quads
- D resources
- T setdynamics
- T shapes
- D spaces
- D spacings
- T streams
- D unicodes
- D unislots
- D variants
- D xheights

| | |
|----------------|-------|
| helpers | table |
|----------------|-------|

- F addextraprivate
- F addprivate
- F appendcommands
- F appendcommandtable

- F checkflags
- F checkmerge
- F checksteps
- F collectanchors
- F combineglyphs
- D commands
- F composecharacters
- F descriptiontoslot
- F dimenfactor
- F expandglyph
- D extraprivates
- F fontpatternhassize
- F getcoloredglyphs
- F getdigitwidth
- F getinstancespec
- F getparameters
- F getprivatecharornode
- F getprivatenode
- F getprivates
- F getprivateslot
- F hasprivate
- F indextoslot
- F isprivate
- F mathscriptslots
- F name
- F nametoslot
- F newprivateslot
- F prependcommands
- F prependcommandtable
- F privateslot
- F registerglyphbox
- F scalecommands
- F setboxdirectly
- F setboxglyph
- F setboxglyphs
- F setdigitwidth
- F setmetaglyph
- F setmetaglyphs
- D sharedprivates
- F splitfontpattern
- F tochar
- T vfinjectors
 - F startcolor
 - F stopcolor

- T vfspecials
- T backgrounds
- T outlines

infofont function
iterators table

- F characters
- F descriptions
- F glyphs

loggers table

- F format
- F onetimemessage
- F register
- F reportdefinedfonts
- F reportusedfeatures

mappings table

- F addtounicode
- F fromunicode16
- F getentry
- F loadfile
- F loadline
- F makenameparser
- D overloads
- F reset
- F tounicode
- F tounicode16
- F tounicode16sequence

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- F baseline
- F boundingbox
- F boxtomp
- F draw
- F fill
- F glyph
- F maxbounds
- F paths
- F widthline
- F zeroline

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- B keepnames
- N mathbase
- N mathextrabase

| | | | |
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| N textbase | | F textfallback | |
| N textextrabase | | F typeface | |
| protrusions | data table | F typescript | |
| readers | table | F userdata | |
| F afm | | specifiers | table |
| F check_lua | | D contextmerged | |
| F check_tfm | | F contextnumber | |
| F lua | | D contextnumbers | |
| F ofm | | D contextsetups | |
| F opentype | | F contexttstring | |
| F otf | | F definecontext | |
| F pfb | | F mergecontext | |
| D sequence | | F presetcontext | |
| F tfm | | F registercontext | |
| F ttc | | T scriptsets | |
| F ttf | | T af | |
| F woff | | S language | |
| registersanitizer | function | N number | |
| reserveid | function | S script | |
| select | table | T always | |
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| F bodyfont | | S autoscript | |
| D data | | B checkmissing | |
| F default | | B curs | |
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| F definefallbackfamily | | B mark | |
| F definefontfamily | | B mkmk | |
| F definefontfamilypreset | | S mode | |
| D extras | | N number | |
| F fallback | | S script | |
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| F features | | B wipemath | |
| F filefallback | | T arabic | |
| F fontdata | | B analyze | |
| F fontfallback | | S autolanguage | |
| F fontsynonym | | S autoscript | |
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| F mathfallback | | B ccmp | |
| D methods | | B clig | |
| D presets | | B curs | |
| F registerfallback | | B dlig | |
| F registerfiles | | B fina | |
| F registerfontalternative | | B init | |
| F registerfontfamily | | B isol | |

| | |
|-----------------|---------------|
| B kern | T bengali-two |
| S language | B abvm |
| B liga | B abvs |
| B mark | B akhn |
| B medi | B blwf |
| B mkmk | B blwm |
| S mode | B blws |
| N number | B calt |
| B rlig | B cjct |
| S script | B dist |
| T ba | B half |
| S language | B haln |
| N number | S indic |
| S script | B init |
| T bandw:overlay | B kern |
| B ccmp | S language |
| B dist | B locl |
| N number | S mode |
| T bengali-one | B nukt |
| B abvm | N number |
| B abvs | B pres |
| B akhn | B pstf |
| B blwf | B psts |
| B blwm | B rphf |
| B blws | S script |
| B calt | B vatu |
| B cjct | T boldened |
| B dist | S effect |
| B half | N number |
| B haln | T boldened-10 |
| S indic | S effect |
| B init | N number |
| B kern | T boldened-15 |
| S language | S effect |
| B locl | N number |
| S mode | T boldened-20 |
| B nukt | S effect |
| N number | N number |
| B pres | T boldened-25 |
| B pstf | S effect |
| B psts | N number |
| B rphf | T boldened-30 |
| S script | S effect |
| B vatu | N number |

| | |
|-----------------|------------------|
| T ca | S textcontrol |
| S language | B wipemath |
| N number | T cy |
| S script | S language |
| T camelcasing | N number |
| B camelcasing | S script |
| N number | T cz |
| T cn | S language |
| S language | N number |
| N number | S script |
| S script | T de |
| T color | S language |
| B ccmp | N number |
| S color | S script |
| B dist | T default |
| N number | S autolanguage |
| T color:bitmap | S autoscript |
| B ccmp | B checkmissing |
| B dist | B curs |
| N number | B itlc |
| B sbix | B kern |
| T color:overlay | B liga |
| B ccmp | B mark |
| B colr | B mkmk |
| B dist | S mode |
| N number | N number |
| T color:svg | S script |
| B ccmp | S textcontrol |
| B dist | B wipemath |
| N number | T deo |
| B svg | S language |
| T complete | N number |
| S autolanguage | S script |
| S autoscript | T devanagari-one |
| B checkmissing | B abvm |
| B compose | B abvs |
| B curs | B akhn |
| B kern | B blwf |
| B liga | B blwm |
| B mark | B blws |
| B mkmk | B calt |
| S mode | B cjct |
| N number | B dist |
| S script | B half |

B haln
 S indic
 B kern
 S language
 B locl
 S mode
 B nukt
 N number
 B pres
 B psts
 B rkrf
 B rphf
 S script
 B vatu
 T devanagari-two
 B abvm
 B abvs
 B akhn
 B blwf
 B blwm
 B blws
 B calt
 B cjct
 B dist
 B half
 B haln
 S indic
 B kern
 S language
 B locl
 S mode
 B nukt
 N number
 B pres
 B psts
 B rkrf
 B rphf
 S script
 B vatu
 T dingbats
 S goodies
 S mode
 N number
 B unicoding

T es
 S language
 N number
 S script
 T et
 S language
 N number
 S script
 T f:fractions
 B frac
 N number
 T f:inferiors
 N number
 B subs
 T f:kern
 B kern
 N number
 T f:kerns
 B kern
 N number
 T f:oldstyle
 N number
 B onum
 T f:smallcaps
 N number
 B smcp
 T f:superiors
 N number
 B sups
 T f:tabular
 N number
 B tnum
 T fi
 S language
 N number
 S script
 T followtext
 B liga
 N number
 T fr
 S language
 N number
 S script
 T fullprotrusion

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|----------------|----------------|
| N number | B half |
| S protrusion | B haln |
| T gr | S indic |
| S language | B kern |
| N number | S language |
| S script | B locl |
| T grek | S mode |
| N number | B nukht |
| S script | N number |
| T gujarati-one | B pres |
| B abvm | B psts |
| B abvs | B rkrf |
| B akhn | B rphf |
| B blwf | S script |
| B blwm | B vatu |
| B blws | T gurmukhi-one |
| B calt | B abvm |
| B cjct | B abvs |
| B dist | B akhn |
| B half | B blwf |
| B haln | B blwm |
| S indic | B blws |
| B kern | B calt |
| S language | B cjct |
| B locl | B dist |
| S mode | B half |
| B nukht | B haln |
| N number | S indic |
| B pres | B kern |
| B psts | S language |
| B rkrf | B locl |
| B rphf | S mode |
| S script | B nukht |
| B vatu | N number |
| T gujarati-two | B pres |
| B abvm | B pstf |
| B abvs | B psts |
| B akhn | B rphf |
| B blwf | S script |
| B blwm | B vatu |
| B blws | T gurmukhi-two |
| B calt | B abvm |
| B cjct | B abvs |
| B dist | B akhn |

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|--------------------|-----------------|
| B blwf | T hr |
| B blwm | S language |
| B blws | N number |
| B calt | S script |
| B cjct | T hu |
| B dist | S language |
| B half | N number |
| B haln | S script |
| S indic | T indic-common |
| B kern | B abvm |
| S language | B abvs |
| B locl | B akhn |
| S mode | B blwm |
| B nuk | B blws |
| N number | B calt |
| B pres | B dist |
| B pstf | B haln |
| B psts | S indic |
| B rphf | B kern |
| S script | S language |
| B vatu | B locl |
| T hebrew | S mode |
| B analyze | B nuk |
| S autolanguage | N number |
| S autoscript | B pres |
| B calt | B psts |
| B ccmp | B rphf |
| B clig | T inlinenumbers |
| B curs | N number |
| B dlig | B pnum |
| B fina | B tnum |
| B init | T is |
| B isol | S language |
| B kern | N number |
| S language | S script |
| B liga | T it |
| B mark | S language |
| B medi | N number |
| B mkmk | S script |
| S mode | T ja |
| N number | S language |
| B reordercombining | N number |
| B rlig | S script |
| S script | T jamoforms |

| | |
|---------------|-----------------|
| B ljmo | B haln |
| N number | S indic |
| B tjmo | B kern |
| B vjmo | S language |
| T just-os | B locl |
| S mode | S mode |
| N number | B nukt |
| B onum | N number |
| T kannada-one | B pref |
| B abvm | B pres |
| B abvs | B pstf |
| B akhn | B psts |
| B blwf | B rphf |
| B blwm | S script |
| B blws | T la |
| B calt | S language |
| B cjct | N number |
| B dist | S script |
| B half | T latn |
| B haln | N number |
| S indic | S script |
| B kern | T letterspacing |
| S language | B ccmp |
| B locl | B clig |
| S mode | B dlig |
| B nukt | S keepligatures |
| N number | B liga |
| B pref | N number |
| B pres | B rlig |
| B pstf | T ligatures |
| B psts | S autolanguage |
| B rphf | S autoscript |
| S script | B checkmissing |
| T kannada-two | B curs |
| B abvm | B kern |
| B abvs | B liga |
| B akhn | B mark |
| B blwf | B mkmk |
| B blwm | S mode |
| B blws | N number |
| B calt | S script |
| B cjct | S textcontrol |
| B dist | B wipemath |
| B half | T lm-math-bold |

| | |
|-----------------|---------------------|
| S effect | S language |
| N number | B locl |
| T lowercasing | S mode |
| B lowercasing | B nukt |
| N number | N number |
| T malayalam-one | B pref |
| B abvm | B pres |
| B abvs | B pstf |
| B akhn | B psts |
| B blwf | B rphf |
| B blwm | S script |
| B blws | T math-script |
| B calt | B compactmath |
| B cjct | B flattenaccents |
| B dist | B kern |
| B half | S language |
| B haln | B mathalternates |
| S indic | S mathexpansion |
| B kern | S mode |
| S language | N number |
| B locl | S script |
| S mode | N ssty |
| B nukt | B wipemath |
| N number | T math-scriptscript |
| B pref | B compactmath |
| B pres | B flattenaccents |
| B pstf | B kern |
| B psts | S language |
| B rphf | B mathalternates |
| S script | S mathexpansion |
| T malayalam-two | S mode |
| B abvm | N number |
| B abvs | S script |
| B akhn | N ssty |
| B blwf | B wipemath |
| B blwm | T math-text |
| B blws | B compactmath |
| B calt | B flattenaccents |
| B cjct | B kern |
| B dist | S language |
| B half | B mathalternates |
| B haln | S mathexpansion |
| S indic | S mode |
| B kern | N number |

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|------------------|-------------------|
| S script | S mode |
| B ssty | N number |
| B wipemath | T oldstyle |
| T mathematics | S autolanguage |
| B compactmath | S autoscript |
| B flattenaccents | B checkmissing |
| B kern | B curs |
| S language | B kern |
| B mathalternates | B liga |
| S mathexpansion | B mark |
| S mode | B mkmk |
| N number | S mode |
| S script | N number |
| B wipemath | B onum |
| T mixed | S script |
| T mongolian | S textcontrol |
| S autolanguage | B wipemath |
| S autoscript | T oldstylenumbers |
| B calt | N number |
| B checkmissing | B onum |
| B curs | T original |
| B fina | S autolanguage |
| B init | S autoscript |
| B isol | B checkmissing |
| B itlc | B curs |
| B kern | B itlc |
| B liga | B kern |
| B mark | B liga |
| B medi | B mark |
| B mkmk | B mkmk |
| S mode | S mode |
| S mset | N number |
| N number | S script |
| B rclt | S textcontrol |
| B rlig | B wipemath |
| S script | T oriya-one |
| S textcontrol | B abvm |
| B wipemath | B abvs |
| T nl | B akhn |
| S language | B blwf |
| N number | B blwm |
| S script | B blws |
| T none | B calt |
| B features | B cjct |

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|-------------|--------------------|
| B dist | T pt |
| B haln | S language |
| S indic | N number |
| B kern | S script |
| S language | T quality |
| B locl | S expansion |
| S mode | N number |
| B nukt | S protrusion |
| N number | T reordercombining |
| B pres | N number |
| B pstf | B reordercombining |
| B psts | T ro |
| B rphf | S language |
| S script | N number |
| T oriya-two | S script |
| B abvm | T ru |
| B abvs | S language |
| B akhn | N number |
| B blwf | S script |
| B blwm | T semitic-complete |
| B blws | B analyze |
| B calt | S autolanguage |
| B cjct | S autoscript |
| B dist | B calt |
| B haln | B ccmp |
| S indic | B clig |
| B kern | B curs |
| S language | B dlig |
| B locl | B fina |
| S mode | B init |
| B nukt | B isol |
| N number | B kern |
| B pres | S language |
| B pstf | B liga |
| B psts | B mark |
| B rphf | B medi |
| S script | B mkmk |
| T pl | S mode |
| S language | N number |
| N number | B rlig |
| S script | T semitic-simple |
| T primes | B analyze |
| N number | S autolanguage |
| B primes | S autoscript |

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|----------------|----------------|
| B calt | S language |
| B ccmp | B mark |
| B curs | B medi |
| B fina | B mkmk |
| B init | S mode |
| B isol | N number |
| B kern | B rlig |
| S language | S script |
| B mark | T sk |
| B medi | S language |
| B mkmk | N number |
| S mode | S script |
| N number | T sl |
| B rlig | S language |
| T simplearabic | N number |
| B analyze | S script |
| S autolanguage | T slanted |
| S autoscript | N number |
| B calt | N slant |
| B ccmp | T smallcaps |
| B curs | S autolanguage |
| B fina | S autoscript |
| B init | B checkmissing |
| B isol | B curs |
| B kern | B kern |
| S language | B mark |
| B mark | B mkmk |
| B medi | S mode |
| B mkmk | N number |
| S mode | S script |
| N number | B smcp |
| B rlig | S textcontrol |
| S script | B wipemath |
| T simplehebrew | T sv |
| B analyze | S language |
| S autolanguage | N number |
| S autoscript | S script |
| B calt | T syriac |
| B ccmp | B analyze |
| B curs | S autolanguage |
| B fina | S autoscript |
| B init | B calt |
| B isol | B ccmp |
| B kern | B clig |

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|------------------|--------------|
| B curs | S mode |
| B dlig | B nukt |
| B fin2 | N number |
| B fin3 | B pref |
| B fina | B pres |
| B init | B psts |
| B isol | B rphf |
| B kern | S script |
| S language | T tamil-two |
| B liga | B abvm |
| B mark | B abvs |
| B med2 | B akhn |
| B medi | B blwm |
| B mkmk | B blws |
| S mode | B calt |
| N number | B dist |
| B rlig | B half |
| S script | B haln |
| T system:tabnum | S indic |
| B lnum | B kern |
| N number | S language |
| B tnum | B locl |
| T tabledigits | S mode |
| N number | B nukt |
| B tabledigits | N number |
| B tnum | B pref |
| T tabularnumbers | B pres |
| N number | B psts |
| B pnum | B rphf |
| B tnum | S script |
| T tamil-one | T telugu-one |
| B abvm | B abvm |
| B abvs | B abvs |
| B akhn | B akhn |
| B blwm | B blwf |
| B blws | B blwm |
| B calt | B blws |
| B dist | B calt |
| B half | B cjct |
| B haln | B dist |
| S indic | B half |
| B kern | B haln |
| S language | S indic |
| B locl | B kern |

| | |
|----------------|------------------|
| S language | S autoscript |
| B locl | B blwm |
| S mode | B blws |
| B nukt | B calt |
| N number | B ccmp |
| B pref | B checkmissing |
| B pres | B curs |
| B pstf | B kern |
| B psts | S language |
| B rphf | B liga |
| S script | B locl |
| T telugu-two | B mark |
| B abvm | B mkmk |
| B abvs | S mode |
| B akhn | N number |
| B blwf | S script |
| B blwm | S textcontrol |
| B blws | B wipemath |
| B calt | T tr |
| B cjct | S language |
| B dist | N number |
| B half | S script |
| B haln | T uk |
| S indic | S language |
| B kern | N number |
| S language | S script |
| B locl | T uppercasing |
| S mode | N number |
| B nukt | B uppercasing |
| N number | T us |
| B pref | S language |
| B pres | N number |
| B pstf | S script |
| B psts | T virtualmath |
| B rphf | B compactmath |
| S script | B flattenaccents |
| T th | B kern |
| S language | S language |
| N number | B mathalternates |
| S script | S mathexpansion |
| T tibetan | S mode |
| B abvm | N number |
| B abvs | S script |
| S autolanguage | B wipemath |

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|----------------|-------|-------------------|----------|
| T vn | | F resolved | |
| S language | | F uselibrary | |
| N number | | tables | table |
| S script | | toeffect | function |
| T zero | | tracers | table |
| N number | | treatments | table |
| B zero | | F applyfixes | |
| F showcontext | | D data | |
| F splitcontext | | S filename | |
| D synonyms | | F ignoredfile | |
| D variants | | F report | |
| symbols | table | F trace | |
| T emoji | | typefaces | table |
| F checked | | | |

functions (context)

dummy function

graphics (context)

| | | | |
|-----------------------------|----------|------------------------|----------|
| backgrounds | table | registerpdffont | function |
| F fetchmultipar | | synchronizers | table |
| F pair | | F collapse | |
| F path | | F collect | |
| F point | | F extend | |
| bitmaps | table | F getbottom | |
| F flush | | F getd | |
| F new | | F geth | |
| F placeholder | | F getkind | |
| F tocontext | | F getsizes | |
| identifiers | table | F gettask | |
| F bitmap | | F gettop | |
| F jp2 | | F getw | |
| F jpg | | F getx | |
| F png | | F gety | |
| identify | function | F prune | |
| registerpdfcompactor | function | | |

gzip (context)

compress function
compressed function
decompress function

load function
save function
suffix function

images (context)

| | | | |
|-----------------------|----------|------------------|----------|
| check | function | B crop | |
| checksize | function | B media | |
| copy | function | B none | |
| create | function | B trim | |
| embed | function | storedata | function |
| embedfromstore | function | totable | function |
| fetchdata | function | types | table |
| keys | table | N jbig2 | |
| print | function | N jp2 | |
| resetdata | function | N jpg | |
| resetstore | function | N none | |
| scan | function | N pdf | |
| serialize | function | N png | |
| sizes | table | N stream | |
| B art | | wrap | function |
| B bleed | | | |

interactions (context)

attachments data table

fields table

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

general table

- F getidentity
- F getidentityvariable

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

linkedLists data table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocumentaction

F setclosepageaction

F setopendocumentaction

F setopenpageaction

renderings data table

interfaces (context)

| | | | |
|-----------------------------|------------|--------------------------|------------|
| arrays | table | namesofscanners | table |
| cachedsetups | data table | namespaces | table |
| cachesetup | function | F define | |
| cardinals | table | F list | |
| checkedspecification | function | numbers | table |
| complete | data table | registernamespace | function |
| constants | data table | registerscanner | function |
| corenamespaces | data table | scanners | data table |
| currentinterface | string | setconstant | function |
| currentresponse | string | setcount | function |
| definecommand | function | setdimen | function |
| defined | function | setelement | function |
| doifelsemessage | function | setformat | function |
| elements | data table | setmacro | function |
| floats | table | setmessage | function |
| formats | data table | setmessages | function |
| getmessage | function | settranslation | function |
| getnamespace | function | setupstrings | data table |
| getsetupstring | function | setvariable | function |
| hashedsetups | data table | showmessage | function |
| implement | function | storedscanners | data table |
| integers | table | tolist | function |
| interfacedcommand | function | translations | data table |
| interfaces | table | usednamespaces | data table |
| knownscanner | function | variables | data table |
| message | function | writestatus | function |
| nameofscanner | function | | |

io (basic lua)

| | | | |
|----------------------|---------------------|----------------------|---------------------|
| ask | function | open | overloaded function |
| bytes | function | output | overloaded function |
| characters | function | pathseparator | string |
| close | function | popen | overloaded function |
| copydata | function | read | function |
| exists | function | readall | function |
| fileseparator | string | readnumber | function |
| flush | function | readstring | function |
| gobble | 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 |
| newreader | function | type | function |
| noflines | function | write | function |

job (context)

| | | | |
|--------------------------|----------|--------------------|-------|
| comment | function | F realpage | |
| datasets | table | F realpageorder | |
| D collected | | F setstate | |
| F extend | | D tobesaved | |
| F getdata | | parwrappers | table |
| F setdata | | D collected | |
| D tobesaved | | D tobesaved | |
| disablesave | function | positions | table |
| embedded | table | F b_column | |
| D collected | | F b_region | |
| D tobesaved | | F c | |
| fileobjreferences | table | D collected | |
| D collected | | F column | |
| D tobesaved | | F columnofpos | |
| files | table | F copy | |
| D collected | | F depth | |
| F context | | F e_column | |
| B forcerun | | F e_region | |
| F run | | F enhance | |
| D tobesaved | | F extra | |
| getrandomseed | function | F get | |
| initialize | function | F getcolumndata | |
| linkedlists | table | F getfree | |
| D collected | | F gethpos | |
| D tobesaved | | F getpos | |
| load | function | F getreserved | |
| loadother | function | F getrpos | |
| objects | table | F getsync | |
| D collected | | F gettobesaved | |
| F get | | F getvpos | |
| F number | | F hangafter | |
| F page | | F hangindent | |
| F save | | F height | |
| F set | | F hsize | |
| D tobesaved | | N lastx | |
| pack | boolean | N lasty | |
| packversion | number | F leftskip | |
| pagestates | table | F lowerleft | |
| D collected | | F lowerright | |
| F countervalue | | F markregionbox | |
| F extend | | F n | |

F onsamepage
F overlapping
F p
F page
F paragraph
F parindent
F position
F r
F region
F registerhandlers
F replace
F rightskip
F set
F setall
F setregionbox
F setspec
F settobesaved
D tobesaved
F upperleft
F upperright
F used
F whd
F width

F x
F xy
F y
register function
save function
structure table
D collected
T components
T namestack
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

language (basic tex)

| | |
|-------------------------|----------|
| clean | function |
| clearhyphenation | function |
| clearpatterns | function |
| current | function |
| gethjcode | function |
| has_language | function |
| hyphenate | function |
| hyphenation | function |
| hyphenationmin | function |

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

languages (context)

| | | | |
|------------------------|------------|-------------------------------|------------|
| addgoodiesdata | function | F installmethod | |
| addgoodiesfile | function | F lasttrace | |
| appliedoptions | table | F loadpatterns | |
| associate | function | F registerexception | |
| associated | data table | F registerpattern | |
| association | function | F setfeatures | |
| counters | data table | installed | function |
| current | function | installhandler | function |
| data | data table | labels | table |
| decimals | data table | F define | |
| define | function | F split | |
| explicitthyphen | function | loadable | function |
| flatten | function | loadwords | function |
| frequencies | table | logger | table |
| F averagecharwidth | | F report | |
| F getdata | | nofflattened | function |
| getdata | function | numbers | data table |
| getnumber | function | postexhyphenchar | function |
| goodiefiles | function | posthyphenchar | function |
| hjcounts | table | preexhyphenchar | function |
| hyphenate | function | prehyphenchar | function |
| hyphenators | table | registered | data table |
| T dictionaries | | registeredactions | table |
| D featuresets | | replacements | table |
| F handler | | F add | |
| T methods | | F addlist | |
| F expanded | | F handler | |
| B none | | F set | |
| F original | | serializediscretionary | function |
| F tex | | setexceptions | function |
| F traditional | | setgoodieshandler | function |
| F popmethod | | setoptions | function |
| F pushmethod | | setpatterns | function |
| F setmethod | | setsynonym | function |
| F setup | | setwordhandler | function |
| F showhyphenationtrace | | showdiscretionaries | function |
| T traditional | | strippedgoodiewords | function |
| F definefeatures | | tolang | function |
| F gettrace | | transliteration | table |
| F hyphenate | | F exception | |
| F injectthyphens | | F handler | |

| | | | |
|------------------|----------|--------------------------|----------|
| F register | | visualizediscretionaries | function |
| F set | | words | table |
| F use | | F check | |
| unload | function | T data | |
| urls | table | F disable | |
| D characters | | F enable | |
| N lefthyphenmin | | T enablers | |
| D mapping | | B enables | |
| B packslashes | | F found | |
| N righthyphenmin | | F load | |
| F setcharacters | | T methods | |
| version | number | N threshold | |

layouts (context)

| | | | |
|--------------------------|----------|--------------------------|-------|
| getcanvas | function | status | table |
| getpagedimensions | function | F isleftpage | |
| setupcanvas | function | F lefttorrightpageaction | |

lfs (extra lua)

| | |
|------------------------|---------------------|
| attributes | overloaded function |
| chdir | overloaded function |
| currentdir | function |
| dir | overloaded function |
| isdir | overloaded function |
| isfile | overloaded function |
| isfound | function |
| isreadabledir | function |
| isreadablefile | function |
| iswriteabledir | function |
| iswriteablefile | function |

| | |
|----------------------|---------------------|
| link | overloaded function |
| mkdir | overloaded function |
| mkdirs | function |
| modification | function |
| readlink | function |
| rmdir | overloaded function |
| setexecutable | function |
| symlink | function |
| symlinktarget | function |
| touch | overloaded function |
| walkdir | function |

libraries (context)

| | | | |
|-----------------|------------|------------------|------------|
| basiclua | data table | extratex | data table |
| basictex | data table | functions | data table |
| builtin | data table | globals | data table |
| extralua | data table | optional | 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 |
| 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 |
| finalactions | function | settarget | function |
| flush | function | settimedlog | function |
| loggingerrors | function | settranslations | function |
| messenger | function | show | function |
| new | function | start_page_number | function |
| newline | function | start_run | function |
| poplogfile | function | startererrorlogging | function |
| poptarget | function | startfilelogging | function |
| private | table | status | function |
| F enablepagetiming | | stop_page_number | function |
| F getpagetiming | | stoperrorlogging | function |
| pushlogfile | function | stopfilelogging | function |
| pushtarget | function | subdirect | function |
| registerfinalactions | function | subreport | function |
| report | function | system | function |
| reporter | function | texerrormessage | function |
| resetlogfile | function | writer | 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 |
| attachmentsymbols | function |
| boolean | function |
| border | function |
| checkedkey | function |
| checkedresources | function |
| checkedvalue | function |
| circularshade | function |
| close | function |
| cmykcode | function |
| collectedresources | function |
| color | function |
| colorspace | function |
| colorspaceconstants | data table |
| colorspec | function |
| colorvalue | function |
| colorvalues | function |
| commentsymbols | function |
| compresslevel | function |
| constant | function |
| copyarray | function |
| copyboolean | function |
| copyconstant | function |
| copydictionary | function |
| copyfloat | function |
| copyinteger | function |
| copynumber | function |
| copystring | function |

| | |
|---------------------------------|----------|
| copyunicode | function |
| deferredobject | function |
| delayedobject | function |
| destinationspecification | function |
| dictionary | function |
| docstring | function |
| epdf | table |

| |
|-------------------|
| F allcontent |
| F analyzefonts |
| F contentplugin |
| F contenttostring |
| F contenttotext |
| D encryptioncodes |
| F expanded |
| F expandwidths |
| F fontplugin |
| F getpagecontent |
| F getstructure |
| T helpers |
| F tounicodetable |
| T image |
| F close |
| F copy |
| F new |
| F open |
| F query |
| F load |
| F mergewidths |
| D objectcodes |
| F objectrange |
| F objecttype |
| F pageplugin |
| F parsecontent |
| F producer |
| T resolvers |
| F destinations |
| F embeddedfiles |
| F javascripts |
| F layers |
| F pages |
| F structure |

| | | | |
|-------------------------------|----------|------------------------------|------------|
| F widgets | | N file | |
| F unload | | N fixed | |
| F verboseobject | | N nocheck | |
| escaped | function | N protected | |
| finalizeddocument | function | N readonly | |
| finalizepage | function | N required | |
| finalizesignature | function | N sorted | |
| finishtransparencycode | function | N unavailable | |
| flags | table | flushfonts | function |
| T annotations | | flushgroup | function |
| N AutoView | | flushobject | function |
| N Hidden | | flushstreamfileobject | function |
| N Invisible | | flushstreamobject | function |
| N Locked | | fonts | table |
| N LockedContents | | F color_direct | |
| N NoRotate | | F color_indirect | |
| N NoView | | formats | data table |
| N NoZoom | | frombytes | function |
| N Print | | fromeight | function |
| N Printable | | frompdfdoc | function |
| N ReadOnly | | fromsixteen | function |
| N ToggleNoView | | getcatalog | function |
| N auto | | getcompression | function |
| N hidden | | getfontname | function |
| N printable | | getfontobjectnumber | function |
| T widgets | | getinfo | function |
| N Comb | | getmatrix | function |
| N CommitOnSelChange | | getnofpages | function |
| N DoNotScroll | | getpageproperties | function |
| N DoNotSpellCheck | | getpagereference | function |
| N Edit | | getpagetags | function |
| N FileSelect | | getpos | function |
| N MultiLine | | gettrailerid | function |
| N NoExport | | getversion | function |
| N NoToggleToOff | | getxformname | function |
| N Password | | graycode | function |
| N PopUp | | h_hex_2 | table |
| N PushButton | | S | |
| N Radio | | S | |
| N RadiosInUnison | | S | |
| N ReadOnly | | S | |
| N Required | | S | |
| N RichText | | S (| |
| N Sort | | S) | |

| | | | |
|---------------------------|----------|-------------------------------|------------|
| S \ | | registerpagefinalizer | function |
| h_hex_4 | table | registerpattern | function |
| hasmatrix | function | registersignature | function |
| immediateobject | function | replacexmpinfo | function |
| includeimage | function | reserveobject | function |
| initialize | function | rgbcode | function |
| injectors | table | rotationcm | function |
| F bitmap | | setcompression | function |
| F jp2 | | setencryption | function |
| F jpg | | setincludecidset | function |
| F png | | setincludeprocset | function |
| injectxmpinfo | function | setpageorder | function |
| insertxmpinfo | function | setpagestate | function |
| lastreferredpage | function | setpagetag | function |
| layerreference | function | setuserdata | function |
| limited | function | setversion | function |
| linearshade | function | sharedobject | function |
| literal | function | shareobject | function |
| majorversion | function | shareobjectreference | function |
| makenametree | function | spotcode | function |
| minorversion | function | stream | function |
| noffontregistries | function | string | function |
| nofpages | function | tocidset | function |
| null | function | toeight | function |
| number | function | topdfdoc | function |
| object | function | tosixteen | function |
| objectcompresslevel | function | transparency | function |
| pagereference | function | transparencycode | function |
| patternstream | function | transparencygroups | table |
| pdfcolor | function | B none | |
| pdftimestamp | function | transparencyvalue | function |
| preparesignature | function | unicode | function |
| print | function | usedcharacters | table |
| procset | function | usedfontnames | table |
| protectresources | boolean | N dejavusansmonoboldttf-1-0-0 | |
| rectangle | function | usedfontobjects | table |
| reference | function | N dejavusansmonoboldttf-1-0-0 | |
| registerannotation | function | usedfontstreams | data table |
| registerdestination | function | usedindices | table |
| registerdocumentfinalizer | function | T dejavusansmonoboldttf-1-0-0 | |
| registerfontmethod | function | verbose | function |
| registerinitializer | 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 |
| containsws | function | utfR | function |
| counter | function | utfchartabletopattern | function |
| endstripper | function | utfreplacer | function |
| finder | function | version | string |

lua (basic tex)

| | | | |
|----------------------------|---------------------|--------------------------------|------------|
| addnibble | function | getstartupfile | function |
| bytecode | table | getversion | function |
| bytedata | data table | lastbytecode | number |
| bytdone | table | messages | data table |
| callbytecode | function | newindex | function |
| finalizeinitex | function | newtable | function |
| firstbytecode | number | numbers | data table |
| get_functions_table | function | registercode | function |
| getbytecode | function | registeredcodes | function |
| getcurrenttime | function | registerinitexfinalizer | function |
| getdebuginfo | function | registername | function |
| getexitcode | function | setbytecode | function |
| getfunctionstable | overloaded function | setexitcode | function |
| getnibble | function | setnibble | function |
| getpreciseseconds | function | startupfile | string |
| getpreciseticks | function | subnibble | function |
| getruntime | function | version | string |
| getstacktop | function | | |

luac (extra lua)

inspect function

print function

luatex (context)

| | | | |
|-----------------------------|----------|--------------------|----------|
| abort | function | F disable | |
| cleanup | function | F enable | |
| cleanuptempfiles | function | F finish | |
| currentfile | function | F pause | |
| currentlevel | function | F popline | |
| currenttotal | function | F pushline | |
| poprunstate | function | F registerdisabler | |
| pushrunstate | function | F registerenabler | |
| registerdumpactions | function | F resetfilename | |
| registerpageactions | function | F resume | |
| registerstartactions | function | F setfilename | |
| registerstopactions | function | F setup | |
| registertempfile | function | F start | |
| starttime | number | F stop | |
| synctex | table | F wrapup | |
| F blockfilename | | wrapup | function |
| F collect | | | |

lxml (context)

| | | | |
|--------------------------|------------|-------------------------|---------------------|
| addindex | function | filter | function |
| all | function | filterlist | function |
| applyfunction | function | first | function |
| applyselectors | function | flush | function |
| att | function | flushlinewise | function |
| attribute | function | flushsetups | function |
| badinclusions | function | flushspacewise | function |
| chainattribute | function | get_id | function |
| checkindex | function | getid | function |
| collected | function | getindex | function |
| command | function | id | function |
| concat | function | idsplitter | userdata |
| concatrange | function | ifatt | function |
| content | function | ifattempty | function |
| context | function | include | function |
| convert | function | inclusion | function |
| count | function | inclusions | function |
| delete | function | index | function |
| depth | function | inlineverbatimim | function |
| direct | function | installsetup | function |
| directives | table | last | function |
| F after | | lastatt | function |
| F before | | lastmatch | function |
| F handle | | lastpar | function |
| F load | | load | function |
| F setup | | loadbuffer | function |
| displayverbatimim | function | loaddata | function |
| doif | function | loaded | table |
| doifelse | function | main | function |
| doifelseempty | function | match | function |
| doifelsetext | function | name | function |
| doifempty | function | namespace | function |
| doifnot | function | nonspace | function |
| doifnotempty | function | par | function |
| doifnottext | function | param | function |
| doiftext | function | parameter | function |
| element | function | path | function |
| elements | function | popmatch | function |
| entities | data table | pos | function |
| fileline | function | position | function |
| filename | function | pure | function |

| | |
|-------------------------|----------|
| pushmatch | function |
| raw | function |
| rawroot | function |
| rawtex | function |
| refatt | function |
| register | function |
| registerentity | function |
| removesetup | function |
| replace | 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 |
| startunesescaped | function |
| stopraw | function |
| stopunesescaped | function |
| store | function |
| strip | function |
| stripped | function |
| tag | function |
| texatt | function |
| text | function |
| tobuffer | function |
| tofile | function |
| toparameters | function |
| toverbatim | function |
| verbatim | function |
| withindex | function |
| xmltexhandler | data table |

math (basic lua)

| | | | |
|--------------------|----------|-----------------------|---------------------|
| abs | function | min | function |
| acos | function | mininteger | number |
| asin | function | mod | function |
| atan | function | modf | function |
| atan2 | function | odd | function |
| ceil | function | pi | number |
| ceiling | function | pow | function |
| cos | function | rad | function |
| cosd | function | random | overloaded function |
| cosh | function | randomseed | function |
| deg | function | round | function |
| div | function | setrandomseedi | function |
| even | function | sin | function |
| exp | function | sind | function |
| floor | function | sinh | function |
| fmod | 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 |
| maxinteger | number | | |

mathematics (context)

| | | | |
|-------------------------------|------------|-----------------------------|------------|
| addfallbacks | function | functiontype | function |
| addvariant | function | gaps | data table |
| alphabets | data table | getblobindex | function |
| alternatives | data table | getboth | function |
| beforepassingfonttotex | function | getdomainname | function |
| big | function | getextensibledata | function |
| boldmap | data table | getmathblob | function |
| categories | table | getoptionallabel | function |
| D functions | | getstyle | function |
| charactersets | data table | gettextblob | function |
| checkaftercopyingfont | function | getverboselabel | function |
| classes | data table | horizontalcode | function |
| classnames | data table | initializeparameters | function |
| codes | data table | makefont | function |
| define | function | mapremap | data table |
| dictionaries | table | markblobindexdone | function |
| D data | | overloadparameters | function |
| D defaults | | preset | function |
| D groups | | presets | table |
| F groupset | | T less | |
| F groupsetgroup | | T more | |
| F name | | T zero | |
| D names | | privatebase | number |
| F registercharacter | | registerextensible | function |
| F registergroup | | registersimplematrix | function |
| F registergroupset | | registerverboselabel | function |
| D sets | | remapalphabets | function |
| D variants | | renderextensible | function |
| dimensions | function | renderings | table |
| disablecollecting | function | D mappings | |
| domainlabels | table | D numbers | |
| domainnames | table | D sets | |
| N default | | renderset | function |
| enablecollecting | function | resetattributes | function |
| extensiblecode | function | scaleparameters | function |
| extensibles | data table | setextensibledata | function |
| extrabase | number | setmathsymbol | function |
| fallbacks | table | sets | data table |
| F apply | | setsnapping | function |
| F install | | setvariant | function |
| fallbackstyleattr | function | styles | data table |

| | | |
|-------------------------------|----------|------------------------|
| syncboth | function | F fixellipses |
| syncname | function | F fixintegrals |
| syncstyle | function | F fixoldschool |
| tagging | table | F fixprimes |
| B mfenced | | F fixradicals |
| toengineclass | function | F fixslashes |
| toname | function | F fixvariants |
| tostyle | function | F flattenaccents |
| tweakaftercopyingfont | function | F inspect |
| tweakbeforecopyingfont | function | F keepbases |
| tweaks | table | F kernpairs |
| F accentdimensions | | F kerns |
| F action | | T kernsets |
| F addactuarian | | T ., |
| F addarrows | | F margins |
| F addbars | | F message |
| F addcomposites | | F moveitalics |
| F addequals | | F movelimits |
| F addfourier | | F parameters |
| F addmirrors | | F radicalbodymargins |
| F addparts | | F radicaldegreeanchors |
| F addprivates | | F replace |
| F addrules | | F replacealphabets |
| F addscripts | | F replacerules |
| F bigslots | | F setoptions |
| F checkaccents | | F setovershoots |
| F checkspacing | | F showinfo |
| F copyaccents | | F simplifykerns |
| T datasets | | F sortvariants |
| T accentdimensions | | F staircase |
| T accent | | T subsets |
| T over | | T acenorsuvxz |
| T under | | T bhklt |
| T addarrows | | T d |
| T addscripts | | T dotless |
| T checkspacing | | T f |
| T copyaccents | | T gjqy |
| T fixprimes | | T horizontalfences |
| T fixslashes | | T i |
| T wipecues | | T integrals |
| F dimensions | | T letterlike |
| F extendaccents | | T mw |
| F fallbacks | | T p |
| F fixaccents | | F substitute |

| | | | |
|----------------------|----------|-----------------------|------------|
| F topanchors | | utfmathclass | function |
| F tweaks | | utfmathcommand | function |
| F version | | utfmathfiller | function |
| F wipeanchors | | utfmathstretch | function |
| F wipecues | | variantcode | function |
| F wipeitalics | | variantcount | function |
| F wipevariants | | virtualize | function |
| utfmathaccent | function | virtualized | data table |

md5 (extra lua)

| | |
|------------|----------|
| HEX | function |
| dec | function |
| hex | function |

| | |
|----------------|----------|
| sum | function |
| sumHEXA | function |
| sumhexa | function |

metapost (context)

| | | |
|---------------------------|----------|-------------------|
| checkformat | function | N nullary |
| checktracingonline | function | N numeric |
| cm | function | N of |
| codes | table | N ofbinary |
| N addto | | N onlyset |
| N ampersand | | N parametertype |
| N and | | N pathconnect |
| N assignment | | N pathjoin |
| N atleast | | N plusorminus |
| N begingroup | | N primarybinary |
| N btex | | N primarydef |
| N capsule | | N property |
| N colon | | N protection |
| N comma | | N relax |
| N controls | | N repeatloop |
| N curl | | N rightbrace |
| N cycle | | N rightbracket |
| N definedmacro | | N rightdelimiter |
| N delimiters | | N runscript |
| N endgroup | | N save |
| N equals | | N scantokens |
| N etex | | N secondarybinary |
| N everyjob | | N secondarydef |
| N exittest | | N semicolon |
| N expandafter | | N setbounds |
| N fiorelse | | N shipout |
| N if | | N show |
| N input | | N slash |
| N interim | | N step |
| N internal | | N stop |
| N iteration | | N str |
| N leftbrace | | N string |
| N leftbracket | | N tag |
| N leftdelimiter | | N tension |
| N let | | N tertiarybinary |
| N macrodef | | N tertiarydef |
| N macrospecial | | N thingstoadd |
| N maketext | | N to |
| N message | | N typename |
| N mode | | N unary |
| N newinternal | | N undefinedcs |

| | | | |
|---------------------------|------------|-----------------------------|----------|
| N until | | getrecord | function |
| N void | | getstatistics | function |
| N with | | gettext | function |
| N within | | gettolerance | function |
| N write | | graphic | function |
| colorinitializer | function | graphic_base_pass | function |
| convert | function | hascurvature | function |
| currentmpx | function | includesvgbuffer | function |
| currentmpxstatus | function | includesvgfile | function |
| defaultformat | string | installplugin | function |
| defaultinstance | string | isobject | function |
| defaultmethod | string | knownparameters | table |
| directrun | function | lastlog | string |
| escaped | function | load | function |
| exectime | table | maketext | function |
| extensiondata | data table | metafonts | table |
| filterclippath | function | metafun | table |
| flush | function | F interpolate | |
| flushers | table | F topath | |
| T pdf | | mptopdf | table |
| F flushfigure | | F convertmpstopdf | |
| F startfigure | | N nofconverted | |
| F stopfigure | | n | number |
| F textfigure | | newlogger | function |
| F tocomment | | nofruns | number |
| flushnormalpath | function | nofscriptruns | function |
| fonts | table | nvformat | function |
| F define | | pdfliterals | function |
| format_number | function | pluginactions | function |
| format_string | function | popformat | function |
| formatnumber | function | popscriptrunner | function |
| getbackendoption | function | popvariable | function |
| getbendtolerance | function | popvariables | function |
| getbuffer | function | preparetexttextsdata | function |
| getclippath | function | process | function |
| getextensions | function | processing | function |
| getextradata | function | processplugins | function |
| gethashentries | function | properties | table |
| getinstancenames | function | pushformat | function |
| getjobdata | function | pushscriptrunner | function |
| getmovetolerance | function | pushvariable | function |
| getparameter | function | pushvariables | function |
| getparameterpreset | function | reducetogray | boolean |
| getparameterset | function | registerdirect | function |

| | | | |
|----------------------------|----------|-----------------------|----------|
| registerscript | function | N in | |
| registertokens | function | N mm | |
| remappedtext | function | N pc | |
| remaptext | function | N pt | |
| reporterror | function | N px | |
| reportsvgfonts | function | svgglyphstomp | function |
| reset | function | svgshapestomp | function |
| resetbackendoptions | function | svgshapestopdf | function |
| resetlastlog | function | svgsplitcolor | function |
| resetplugins | function | svgtomp | function |
| run | function | svgtopdf | function |
| runinternal | function | sxxy | function |
| runscript | function | tex | table |
| scanparameters | function | F get | |
| scripterror | function | F reset | |
| scriptindex | function | F set | |
| setbendtolerance | function | F setfrombuffer | |
| setbuffer | function | texerrors | boolean |
| setextensions | function | texexp | function |
| setlogging | function | theclippath | function |
| setmovetolerance | function | tographic | function |
| setoutercolor | function | totable | function |
| setparameter | function | types | table |
| setparameterset | function | N boolean | |
| setrecord | function | N cmykcolor | |
| settext | function | N color | |
| settolerance | function | N dependent | |
| setvariable | function | N independent | |
| showlog | boolean | N known | |
| showsvgpage | function | N nep | |
| simple | function | N numeric | |
| splitprescript | function | N pair | |
| startgraphic | function | N path | |
| startsvghashing | function | N pen | |
| stopgraphic | function | N picture | |
| stopsvghashing | function | N protodependent | |
| svformat | function | N string | |
| svgcolorremapper | function | N structured | |
| svgfactors | table | N suffixedmacro | |
| N % | | N tokenlist | |
| N bp | | N transform | |
| N cm | | N unknownboolean | |
| N em | | N unknownnep | |
| N ex | | N unknownpath | |

| | | |
|-------------------|----------------------|----------|
| N unknownpen | typesvgpage | function |
| N unknownpicture | unload | function |
| N unknownstring | untagvariable | function |
| N unsuffixedmacro | variables | table |
| N vacuous | | |

mime (context)

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

report function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

| | | | |
|-------------------|----------|--------------------------------------|----------|
| autoinject | function | fprint | function |
| aux | function | get | table |
| F boolean | | F hashentry | |
| F color | | graphformat | function |
| F direct | | inject | function |
| F draw | | F boolean | |
| F fill | | F cmykcolor | |
| F flush | | F color | |
| F fprint | | F integer | |
| F integer | | F number | |
| F number | | F numeric | |
| F pair | | F pair | |
| F pairpoints | | F path | |
| F path | | F pt | |
| F pathpoints | | F quadruplet | |
| F points | | F string | |
| F print | | F transform | |
| F quadruple | | F triplet | |
| F quadruplepoints | | F whatever | |
| F quoted | | F whd | |
| F size | | F xy | |
| F string | | integer | function |
| F transform | | lmt_color_functions | table |
| F triplet | | F shade | |
| F tripletpoints | | F step | |
| F vprint | | lmt_contours_bitmap_get | function |
| boolean | function | lmt_contours_bitmap_set | function |
| cleaned | function | lmt_contours_cleanup | function |
| color | function | lmt_contours_color | function |
| dataset | function | lmt_contours_edge_get_band | function |
| datasets | function | lmt_contours_edge_get_cell | function |
| F load | | lmt_contours_edge_paths | function |
| direct | function | lmt_contours_edge_set | function |
| draw | function | lmt_contours_edge_set_by_band | function |
| expandtex | function | lmt_contours_edge_set_by_cell | function |
| fill | function | lmt_contours_format | function |
| flatten | function | lmt_contours_function | function |
| flush | function | lmt_contours_maxmean | function |
| format | function | lmt_contours_maxz | function |
| formatted | function | lmt_contours_minmean | function |
| | | lmt_contours_minz | function |

| | | | |
|-----------------------------------|----------|------------------------------|----------|
| lmt_contours_nofvalues | function | mf_blob_size | function |
| lmt_contours_nx | function | mf_blob_width | function |
| lmt_contours_ny | function | mf_external_figure | function |
| lmt_contours_range | function | mf_finish_saving_data | function |
| lmt_contours_shade_paths | function | mf_formatted_text | function |
| lmt_contours_shade_set | function | mf_get_outline_text | function |
| lmt_contours_shape_paths | function | mf_graphic_text | function |
| lmt_contours_start | function | mf_inject_blob | function |
| lmt_contours_stop | function | mf_map_move | function |
| lmt_contours_value | function | mf_map_text | function |
| lmt_contours_xrange | function | mf_named_color | function |
| lmt_contours_yrange | function | mf_outline_text | function |
| lmt_function_x | function | mf_save_data | function |
| lmt_glyphshape_accent | function | mf_script_index | function |
| lmt_glyphshape_baseline | function | mf_start_saving_data | function |
| lmt_glyphshape_boundingbox | function | mf_stop_saving_data | function |
| lmt_glyphshape_depth | function | mode | function |
| lmt_glyphshape_height | function | n | function |
| lmt_glyphshape_italic | function | number | function |
| lmt_glyphshape_llx | function | numeric | function |
| lmt_glyphshape_n | function | pair | function |
| lmt_glyphshape_path | function | pairpoints | function |
| lmt_glyphshape_start | function | path | function |
| lmt_glyphshape_stop | function | pathpoints | function |
| lmt_glyphshape_usedbox | function | points | function |
| lmt_glyphshape_usedline | function | print | function |
| lmt_glyphshape_width | function | F boolean | |
| lmt_mesh_set | function | F color | |
| lmt_mesh_update | function | F direct | |
| lmt_poisson_generate | function | F draw | |
| lmt_start_potrace | function | F fill | |
| lmt_step_potrace | function | F flush | |
| lmt_stop_potrace | function | F fprintf | |
| lmt_surface_do | function | F integer | |
| lmt_svg_include | function | F number | |
| mf_blob_add | function | F numeric | |
| mf_blob_dimensions | function | F pair | |
| mf_blob_index | function | F pairpoints | |
| mf_blob_new | function | F path | |
| mf_blob_raw_content | function | F pathpoints | |
| mf_blob_raw_dimensions | function | F points | |
| mf_blob_raw_reset | function | F print | |
| mf_blob_raw_toutf | function | F quadruple | |
| mf_blob_raw_wipe | function | F quadruplepoints | |

| | | | |
|------------------------|----------|----------------------|----------|
| F quoted | | F path | |
| F size | | F pen | |
| F string | | F property | |
| F transform | | F string | |
| F triplet | | F symbol | |
| F tripletpoints | | F token | |
| F vprint | | T tokenscanners | |
| processingmode | function | F transform | |
| quadruple | function | T typescanners | |
| quadruplepoints | function | F whatever | |
| quoted | function | set | table |
| report | function | size | function |
| scan | table | skip | table |
| F boolean | | F token | |
| F cmykcolor | | solve | function |
| F color | | string | function |
| F expression | | systemmode | function |
| F integer | | transform | function |
| F next | | triplet | function |
| F number | | tripletpoints | function |
| F numeric | | vprint | function |
| F pair | | | |

mplib (extra tex)

| | | | |
|-------------------------|----------|------------------------|---------------------|
| execute | function | injectstring | function |
| expandtex | function | injecttransform | function |
| finder | function | injectwhatever | function |
| finders | table | new | overloaded function |
| F file | | peninfo | function |
| F mpstemplate | | propertycodes | table |
| finish | function | realtimelogging | boolean |
| getcallbackstate | function | scanboolean | function |
| getcodes | function | scanbmykcolor | function |
| getcolormodels | function | scanbcolor | function |
| getfields | function | scanexpression | function |
| gethashentries | function | scaninteger | function |
| gethashentry | function | scannext | function |
| getobjecttypes | function | scannumber | function |
| getstates | function | scannumeric | function |
| getstatistics | function | scanpair | function |
| getstatus | function | scanpath | function |
| gettolerance | function | scanpen | function |
| gettype | function | scanproperty | function |
| gettypes | function | scanstring | function |
| injectboolean | function | scansymbol | function |
| injectbmykcolor | function | scantoken | function |
| injectbcolor | function | scantransform | function |
| injectinteger | function | settolerance | function |
| injectnumber | function | showcontext | function |
| injectnumeric | function | skiptoken | function |
| injectpair | function | solvepath | function |
| injectpath | function | version | function |

noads (context)

| | | | |
|-----------------|-------|----------------------|--------------|
| handlers | table | | F snap |
| F alternates | | | F spacing |
| F autofences | | | F suspicious |
| F classes | | | F tags |
| F collapse | | | F unscript |
| F dictionaries | | | F unstack |
| F export | | | F variants |
| F families | | process | function |
| F fencing | | processnested | function |
| F intervals | | processors | table |
| F kernpairs | | T dictionaries | |
| F makeup | | T intervals | |
| F normalize | | F mlisttohtml | |
| F numbers | | T suspicious | |
| F relocate | | T unscript | |
| F render | | T unstack | |
| F showtree | | processouter | function |

node (basic tex)

| | | |
|-----------------------------|----------|----------------------|
| checkdiscretionaries | function | F getattributelist |
| checkdiscretionary | function | F getattributes |
| copy | function | F getboth |
| copyleft | function | F getbottom |
| count | function | F getbottomdelimiter |
| currentattributes | function | F getbox |
| dimensions | function | F getcachestate |
| direct | table | F getchar |
| F addmargins | | F getchardict |
| F addxoffset | | F getcharspec |
| F addxymargins | | F getchoice |
| F addyoffset | | F getclass |
| F appendaftertail | | F getcornerkerns |
| F checkdiscretionaries | | F getdata |
| F checkdiscretionary | | F getdegree |
| F collapsing | | F getdelimiter |
| F copy | | F getdenominator |
| F copyleft | | F getdepth |
| F copyonly | | F getdirection |
| F count | | F getdisc |
| F currentattributes | | F getdiscpart |
| F dimensions | | F getexpansion |
| F effectiveglue | | F getfam |
| F endofmath | | F getfield |
| F exchange | | F getfont |
| F fields | | F getgeometry |
| F findattribute | | F getglue |
| F findattributerange | | F getglyphdata |
| F findnode | | F getglyphdimensions |
| F firstchar | | F getheight |
| F firstglyph | | F getid |
| F firstglyphnode | | F getindex |
| F firstitalicglyph | | F getinputfields |
| F flattendiscretionaries | | F getkern |
| F flattenleaders | | F getkerndimension |
| F flushlist | | F getlanguage |
| F flushnode | | F getleader |
| F free | | F getleftdelimiter |
| F freeze | | F getlist |
| F getanchors | | F getlistdimensions |
| F getattribute | | F getnext |

| | |
|---------------------|-----------------------|
| F getnodes | F hasdiscoption |
| F getnormalizedline | F hasfield |
| F getnucleus | F hasgeometry |
| F getnumerator | F hasglyph |
| F getoffsets | F hasglyphoption |
| F getoptions | F hpack |
| F getorientation | F hyphenating |
| F getparstate | F id |
| F getpenalty | F ignoremathskip |
| F getpost | F insertafter |
| F getpre | F insertbefore |
| F getprev | F isboth |
| F getprime | F ischar |
| F getpropertystable | F isdirect |
| F getproperty | F isglyph |
| F getreplace | F isitalicglyph |
| F getrightdelimiter | F isloop |
| F getruledimensions | F isnext |
| F getscale | F isnextchar |
| F getscales | F isnextglyph |
| F getscrip | F isnode |
| F getshift | F isprev |
| F getslant | F isprevchar |
| F getspeciallist | F isprevglyph |
| F getstate | F issimilarglyph |
| F getsub | F isspeciallist |
| F getsubpre | F isvalid |
| F getsubtype | F iszeroglue |
| F getsup | F kerning |
| F getsuppre | F lastnode |
| F gettop | F length |
| F gettopdelimiter | F ligaturing |
| F gettotal | F makeextensible |
| F getusedattributes | F migrate |
| F getweight | F mlisttohtml |
| F getwhd | F naturalhsize |
| F getwidth | F naturalwidth |
| F getwordrange | F new |
| F getxscale | F newcontinuationatom |
| F getxyscales | F newmathglyph |
| F getyscale | F newtextglyph |
| F gluetostring | F patchattributes |
| F hasattribute | F patchparshape |
| F hasdimensions | F prependbeforehead |

F protectglyph
F protectglyphs
F protectglyphsnone
F protrusionskipable
F rangedimensions
F remove
F removefromlist
F repack
F reverse
F serialized
F setanchors
F setattribute
F setattributelist
F setattributes
F setboth
F setbottom
F setbottomdelimiter
F setbox
F setchar
F setchardict
F setchoice
F setclass
F setdata
F setdegree
F setdelimiter
F setdenominator
F setdepth
F setdirection
F setdisc
F setdiscpart
F setexpansion
F setfam
F setfield
F setfont
F setgeometry
F setglue
F setglyphdata
F setheight
F setindex
F setinputfields
F setkern
F setlanguage
F setleader
F setleftdelimiter

F setlink
F setlist
F setnext
F setnucleus
F setnumerator
F setoffsets
F setoptions
F setorientation
F setpenalty
F setpost
F setpre
F setprev
F setprime
F setproperty
F setreplace
F setrightdelimiter
F setruledimensions
F setscales
F setscript
F setshift
F setslant
F setspeciallist
F setsplit
F setstate
F setsub
F setsubpre
F setsubtype
F setsup
F setsuppre
F settop
F settopdelimiter
F setttotal
F setweight
F setwhd
F setwidth
F show
F slide
F softenhyphens
F startofpar
F subtypes
F tail
F todirect
F tonode
F toString

| | |
|-------------------------------|----------|
| F tovaliddirect | |
| F traverse | |
| F traversechar | |
| F traversecontent | |
| F traverseglyph | |
| F traverseid | |
| F traverseitalic | |
| F traverseleader | |
| F traverselist | |
| F type | |
| F types | |
| F unprotectglyph | |
| F unprotectglyphs | |
| F unsetattribute | |
| F unsetattributes | |
| F usedlist | |
| F usesfont | |
| F verticalbreak | |
| F vpack | |
| F write | |
| F xscaled | |
| F yscaled | |
| effectiveglue | function |
| endofmath | function |
| family_font | function |
| fields | function |
| findattribute | function |
| flattendiscretionaries | function |
| flushlist | function |
| flushnode | function |
| free | function |
| getattribute | function |
| getcachestate | function |
| getfield | function |
| getglue | function |
| getpropertystable | function |
| getproperty | function |
| gluetostring | function |
| hasattribute | function |
| hasfield | function |
| hasglyph | function |
| hpack | function |
| hyphenating | function |

| | |
|-----------------------------|----------|
| id | function |
| insertafter | function |
| insertbefore | function |
| instock | function |
| inuse | function |
| isnode | function |
| iszeroglue | function |
| kerning | function |
| lastnode | function |
| length | function |
| ligaturing | function |
| makeextensible | function |
| mlisttohlist | function |
| new | function |
| protectglyph | function |
| protectglyphs | function |
| protrusionskipppable | function |
| rangedimensions | function |
| remove | function |
| serialized | function |
| setattribute | function |
| setfield | function |
| setglue | function |
| setProperty | function |
| show | function |
| slide | function |
| subtypes | function |
| tail | function |
| todirect | function |
| tonode | function |
| tostring | function |
| traverse | function |
| traverseid | function |
| type | function |
| types | function |
| unprotectglyph | function |
| unprotectglyphs | function |
| unsetattribute | function |
| usedlist | function |
| usesfont | function |
| vpack | function |
| write | function |

nodes (context)

| | | | |
|--------------------------|------------|---------------------------|------------|
| accentcodes | data table | dircodes | data table |
| adaptive | table | directioncodes | data table |
| F handlehorizontal | | directionvalues | data table |
| F handlevertical | | dirvalues | data table |
| F set | | disccodes | data table |
| aligned | function | discretionarycodes | data table |
| append | function | fencecodes | data table |
| apply | function | fields | function |
| applyvisuals | function | fieldtypes | table |
| astable | function | fillcodes | data table |
| attributeCodes | data table | fillvalues | data table |
| basepoints | function | firstdirinbox | function |
| boundarycodes | data table | flush | function |
| boxes | table | flushlist | function |
| F count | | flushnode | function |
| F dimensions | | fullhpack | function |
| F direct | | getattr | function |
| F dispose | | getattribute | function |
| F found | | getboth | function |
| F prune | | getbox | function |
| F reset | | getchar | function |
| F restore | | getfield | function |
| F save | | getfont | function |
| F savenode | | getid | function |
| builders | table | getleader | function |
| F buildpage_filter | | getlist | function |
| F vbox_filter | | getnext | function |
| F vpack_filter | | getprev | function |
| choicecodes | data table | getproperty | function |
| concat | function | getsubtype | function |
| copy | function | gluecodes | data table |
| copy_node | function | glyphcodes | data table |
| copylist | function | handlers | table |
| countall | function | F adjusters | |
| currentattributes | function | F aligncharacter | |
| delete | function | F backgrounds | |
| destinations | table | F backgroundspage | |
| N attribute | | F backgroundsvbox | |
| T done | | F characters | |
| F handler | | F checkglyphs | |
| T stack | | F checkparcounter | |

| | | | |
|------------------------|----------|--------------------------------|------------|
| F cleanupbox | | insertafter | function |
| F cleanuppage | | insertbefore | function |
| F export | | insertlistafter | function |
| F finalizebox | | installattributehandler | function |
| F finalizelist | | is_display_math | function |
| F flatten | | isdirect | function |
| F flattenline | | isnode | function |
| F mathalignrelocate | | isnut | function |
| F mathmatrixornaments | | kerncodes | data table |
| F mathmatrixrules | | leftmarginwidth | function |
| F migrate | | linefillers | table |
| F protectglyphs | | F filler | |
| F recolor | | F handler | |
| F show | | F set | |
| F showhyphenation | | lines | table |
| F showpreamble | | T boxed | |
| F stripping | | F addlinenumbers | |
| F textbackgrounds | | F register | |
| F unprotectglyphs | | F setup | |
| F visualizehyphenation | | D data | |
| F wipe | | F finalize | |
| hasattribute | function | F number | |
| hasfield | function | link | function |
| hpack | function | linked | function |
| idsandsubtypes | function | list | function |
| idstosting | function | listcodes | data table |
| injections | table | listtoutf | function |
| F copy | | literalvalues | data table |
| F getligaindex | | locate | function |
| F getthreshold | | markcodes | data table |
| F handler | | markers | table |
| F installgetspaceboth | | F get | |
| F installnewkern | | F set | |
| F isspace | | mathcodes | data table |
| F keepcounts | | mathvalues | data table |
| F reset | | maxboxwidth | function |
| F resetcounts | | migrations | table |
| F setcursive | | F setinserts | |
| F setkern | | F setmarks | |
| F setligaindex | | new | function |
| F setmark | | noadcodes | data table |
| F setmove | | nodecodes | data table |
| F setposition | | nopts | function |
| F setspacekerns | | nuts | table |

| | |
|--------------------------|----------------------|
| F addmargins | F flattenleaders |
| F addxoffset | F flush |
| F addxymargins | F flushlist |
| F addyoffset | F flushnode |
| F append | F free |
| F appendaftertail | F freeze |
| F apply | F fullhpack |
| F applyvisuals | F getanchors |
| F checkdiscretionaries | F getattr |
| F checkslide | F getattribute |
| F collapsing | F getattributelist |
| T colors | F getattributes |
| F set | F getattrlist |
| T components | F getattrts |
| F copynocomponents | F getboth |
| F copyonlyglyphs | F getbottom |
| F count | F getbottomdelimiter |
| F flush | F getbox |
| F get | F getboxglue |
| F set | F getchar |
| F concat | F getchardict |
| F copy | F getcharspec |
| F copy_properties | F getchoice |
| F copylist | F getclass |
| F copynode | F getcomponents |
| F copyonly | F getcornerkerns |
| F copyvisual | F getdata |
| F count | F getdegree |
| F countall | F getdelimiter |
| F currentattributes | F getdenominator |
| F delete | F getdepth |
| F dimensions | F getdirection |
| F dirdimensions | F getdisc |
| F effectiveglue | F getdiscpart |
| F endofmath | F getdiscretionary |
| F exchange | F getexpansion |
| F findattribute | F getfam |
| F findattributerange | F getfield |
| F findnode | F getfont |
| F firstchar | F getgeometry |
| F firstglyph | F getglue |
| F firstglyphnode | F getglyphdata |
| F firstitalicglyph | F getglyphdimensions |
| F flattendiscretionaries | F getheight |

| | |
|----------------------|---------------------|
| F getid | F gettop |
| F getindex | F gettopdelimiter |
| F getinputfields | F gettotal |
| F getkern | F getusedattributes |
| F getkerndimension | F getvalue |
| F getlang | F getweight |
| F getlanguage | F getwhd |
| F getleader | F getwidth |
| F getleftdelimiter | F getwordrange |
| F getlist | F getxscale |
| F getlistdimensions | F getxyscales |
| F getmiddle | F getyscale |
| F getmiddledelimiter | F gluetostring |
| F getnext | F hasattribute |
| F getnormalizedline | F hasdimensions |
| F getnucleus | F hasdiscoption |
| F getnumerator | F hasfield |
| F getoffsets | F hasgeometry |
| F getoptions | F hasglyph |
| F getorientation | F hasglyphoption |
| F getparstate | F hpack |
| F getpenalty | F hyphenating |
| F getpost | F ignoremathskip |
| F getpre | F insertafter |
| F getprev | F insertbefore |
| F getprime | F insertlistafter |
| F getprop | F is_display_math |
| F getreplace | F isboth |
| F getrightdelimiter | F ischar |
| F getruledata | F isdirect |
| F getruledimensions | F isdone |
| F getscale | F isglyph |
| F getscales | F isitalicglyph |
| F getscrip | F isnext |
| F getshift | F isnextchar |
| F getslant | F isnextglyph |
| F getspeciallist | F isnode |
| F getstate | F isnut |
| F getsub | F isprev |
| F getsubpre | F isprevchar |
| F getsubtype | F isprevglyph |
| F getsup | F issimilarglyph |
| F getsuppre | F iszeroglue |
| F getsurround | F kerning |

| | |
|-----------------------|-------------------|
| F lastnode | F lefthangskip |
| F length | F leftmarginkern |
| F ligaturing | F leftskip |
| F link | F lineskip |
| F linked | F literal |
| F locate | F luaboundary |
| F migrate | F mathchar |
| F migratebox | F mathtextchar |
| F mlisttohlist | F negatedglue |
| F naturalhsize | F noad |
| F naturalwidth | F originliteral |
| F nestedtracedslide | F outlinerule |
| F new | F pageliteral |
| F newcontinuationatom | F penalty |
| F newmathglyph | F radical |
| F openup | F rawliteral |
| F patchattributes | F register |
| F patchparshape | F restore |
| T pool | F righthangskip |
| F accent | F rightmarginkern |
| F baselineskip | F rightskip |
| F boundary | F rule |
| F boxrule | F save |
| F choice | F savepos |
| F cleanup | F setmatrix |
| F delim | F setstate |
| F delimiter | F shrink |
| F direction | F spacefontkern |
| F directliteral | F startrotation |
| F disc | F stock |
| F emptyrule | F stretch |
| F fence | F strutrule |
| F fontkern | F subbox |
| F fraction | F sublist |
| F glue | F temp |
| F gluespec | F usage |
| F glyph | F userdefined |
| F hlist | T userids |
| F imagerule | F usernode |
| F indentskip | F userrule |
| F italicckern | F virtualrule |
| F kern | F vlist |
| F latelua | F wordboundary |
| F leader | F prepend |

| | |
|----------------------|----------------------|
| F prependbeforehead | F setdelimiter |
| F processranges | F setdenominator |
| F processwords | F setdepth |
| F protectglyph | F setdirection |
| F protectglyphs | F setdisc |
| F protectglyphsnone | F setdiscpart |
| F protrusionskipable | F setdiscretionary |
| F rangedimensions | F setexpansion |
| F rawprop | F setfam |
| F reference | F setfield |
| F rehpack | F setfont |
| F remove | F setgeometry |
| F removefromlist | F setglue |
| F repack | F setglyphdata |
| F repackhlist | F setheight |
| F replace | F setinputfields |
| F reverse | F setkern |
| T rules | F setlang |
| T ruleactions | F setlanguage |
| F box | F setleader |
| F draw | F setleftdelimiter |
| F fill | F setlink |
| F mp | F setlist |
| F stroke | F setmiddledelimiter |
| F userrule | F setnext |
| F serialized | F setnucleus |
| F setanchors | F setnumerator |
| F setattr | F setoffsets |
| F setattribute | F setoptions |
| F setattributelist | F setorientation |
| F setattributes | F setparproperty |
| F setattrlist | F setpenalty |
| F setattrs | F setpost |
| F setboth | F setpre |
| F setbottom | F setprev |
| F setbox | F setprime |
| F setboxglue | F setprop |
| F setchar | F setreplace |
| F setchardict | F setrightdelimiter |
| F setchoice | F setruledata |
| F setclass | F setruledimensions |
| F setcomponents | F setscale |
| F setdata | F setscales |
| F setdegree | F setscript |

| | |
|-------------------|-------------------|
| F setshift | F traverselist |
| F setslant | T traversers |
| F setspeciallist | F alignrecord |
| F setsplit | F boundary |
| F setstate | F char |
| F setsub | F content |
| F setsubpre | F dir |
| F setsubtype | F disc |
| F setup | F glue |
| F setsuppre | F glyph |
| F setsurround | F hlist |
| F settop | F leader |
| F setvalue | F list |
| F setvisual | F mark |
| F setvisuals | F next |
| F setweight | F node |
| F setwhd | F penalty |
| F setwidth | F rule |
| F show | F unset |
| F slide | F vlist |
| F softenhyphens | F whatsit |
| F somepenalty | T treversers |
| F somespace | F char |
| F splitbox | F content |
| F startofpar | F glyph |
| F striprange | F leader |
| F tail | F list |
| F takeattr | F node |
| F takebox | T typesetters |
| F takelist | F tohbox |
| F theprop | F tohpack |
| F tonode | F tonodes |
| F tonodes | F to vbox |
| F tonut | F to vpack |
| F tosequence | F unprotectglyph |
| F tostring | F unprotectglyphs |
| F tracedslide | F unsetattribute |
| F traverse | F unsetattributes |
| F traversechar | F untracedslide |
| F traversecontent | F usedlist |
| F traverseglyph | F usesfont |
| F traverseid | F verticalbreak |
| F traverseitalic | F vianodes |
| F traverseleader | F vianuts |

| | | | |
|---------------------|------------|--------------------------|------------|
| F vpack | | processors | table |
| F write | | F alignment_filter | |
| F xscaled | | F append_line_filter | |
| F yscaled | | F glyph_run | |
| packlist | function | F post_linebreak_filter | |
| parcodes | data table | F pre_linebreak_filter | |
| penaltycodes | data table | F trace_glyph_run_a | |
| plugindata | table | F trace_glyph_run_b | |
| F finalizer | | properties | table |
| F initializer | | T data | |
| S name | | pts | function |
| T namespace | | radicalcodes | data table |
| N attribute | | references | table |
| D data | | N attribute | |
| F enable | | T done | |
| F handler | | F handler | |
| F register | | T stack | |
| D registered | | reheap | function |
| D values | | remove | function |
| F processor | | repackhlist | function |
| points | function | replace | function |
| pool | table | report | function |
| F baselineskip | | rightmarginwidth | function |
| F cleanup | | rulecodes | data table |
| F directliteral | | rules | table |
| F glyph | | F handler | |
| F hlist | | F process | |
| F latelua | | F set | |
| F leader | | F userrule | |
| F lineskip | | serialize | function |
| F literal | | serializebox | function |
| F luaboundary | | serialized | function |
| F originliteral | | setattr | function |
| F register | | setattribute | function |
| F restore | | setattrlist | function |
| F save | | setboth | function |
| F savepos | | setbox | function |
| F setmatrix | | setboxtonaturalwd | function |
| F stock | | setchar | function |
| F usage | | setfield | function |
| F usernode | | setfont | function |
| F vlist | | setleader | function |
| prepend | function | setlink | function |
| print | function | setlist | function |

| | | | |
|-----------------------------|------------|-----------------------|----------|
| setnext | function | F setaction | |
| setprev | function | F showactions | |
| setproperty | function | F table | |
| shadows | table | tobasepoints | function |
| F handler | | tocentimeters | function |
| F set | | tociceros | function |
| shifts | table | todidots | function |
| F handler | | todimen | function |
| F set | | toinches | function |
| showboxes | function | tomillimeters | function |
| showlist | function | tonode | function |
| showsimplelist | function | tonodes | function |
| skipcodes | data table | tonut | function |
| snapshots | table | topicas | function |
| F getsamples | | topoints | function |
| F resetsamples | | toscaledpoints | function |
| F takesample | | tosequence | function |
| somepenalty | function | tostring | function |
| somespace | function | totable | function |
| specialskipcodes | table | totree | function |
| splitbox | function | toutf | function |
| startofpar | function | tracers | table |
| stripdiscretionaries | function | T colors | |
| stripping | table | F reset | |
| T glyphs | | F set | |
| F set | | F setlist | |
| subtypes | data table | F directions | |
| tail | function | F fontchar | |
| takeattr | function | T frequencies | |
| takebox | function | F register | |
| tasks | table | T pool | |
| F actions | | T nodes | |
| F appendaction | | F rule | |
| F disableaction | | T nuts | |
| F disablegroup | | F rule | |
| F enableaction | | F resetproperties | |
| F enablegroup | | F rule | |
| F freeze | | F setlist | |
| F freezegroup | | F setproperties | |
| F new | | F start | |
| F prependaction | | T steppers | |
| F removeaction | | F check | |
| F replaceaction | | F codes | |
| F restart | | F features | |

| | | |
|---------------------------|----------|-----------------|
| F font | | F getusedfont |
| F glyphs | | F handler |
| F message | | F markfonts |
| F messages | | T modes |
| F nofsteps | | N boundary |
| F register | | N depth |
| F reset | | N dir |
| F start | | N discretionary |
| F stop | | N expansion |
| F stop | | N fontkern |
| T transparencies | | N glue |
| F reset | | N glyph |
| F set | | N hbox |
| F setlist | | N hglue |
| traverse | function | N hkern |
| traverseid | function | N hpenalty |
| typesetters | table | N insert |
| F hbox | | N italic |
| F hpack | | N kern |
| F tohbox | | N line |
| F tohpack | | N marginkern |
| F tonodes | | N mark |
| F tovbox | | N math |
| F tovpack | | N mathglue |
| F vpack | | N mathkern |
| unsetattribute | function | N origin |
| upcomingproperties | function | N par |
| usedlist | function | N penalty |
| vianodes | function | N simple |
| vianuts | function | N simplehbox |
| visualizebox | function | N simplevbox |
| visualizers | table | N simplevtop |
| F attribute | | N space |
| T attributes | | N strut |
| F box | | N user |
| F definelayer | | N vbox |
| F enable | | N vglue |
| T filters | | N vkern |
| N hglue | | N vpenalty |
| N hkern | | N vtop |
| N hpenalty | | N whatsit |
| N vglue | | F register |
| N vkern | | F registercache |
| N vpenalty | | F setfont |

F setlayer
F setruledglyph
F setvisual

vpack
whatsitcodes
write

function
data table
function

number (context)

| | | | |
|-----------------------|------------|-----------------------|----------|
| | function | | |
| basepoints | function | tobasepoints | function |
| bytetodecimal | function | tobitstring | function |
| compactfloat | function | tocentimeters | function |
| decimaltobyte | function | toxiceros | function |
| dimenfactors | data table | tocontext | function |
| formatted | function | todidots | function |
| formattedfloat | function | todimen | function |
| idiv | function | toediths | function |
| maxdimen | number | toevenhex | function |
| nopts | function | toinches | function |
| nubasepoints | function | tomillimeters | function |
| nupoints | function | tonumberf | function |
| percent | function | tonumberg | function |
| points | function | topics | function |
| pts | function | topoints | function |
| signed | function | toscaled | function |
| sparseexponent | function | toscaledpoints | function |
| splitdimen | function | totoves | function |
| tol6dot16 | function | valid | function |

objects (context)

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

optional (context)

curl table

F escape
F fetch
F getversion
F initialize
F unescape

foreign table

F abivalues
F getbuffer
F initialize
F load
F newbuffer
F totable
F types

ghostscript table

F execute
F initialize

graphicsmagick table

F execute
F initialize

hb table

F getshapers
F getversion
F initialize
F loadfont
F shapestring

imagemagick table

F execute
F initialize

kpse table

F expand_braces
F expand_path
F expand_var
F find_file
F find_files
F get_file_types
F initialize
F readable_file
F set_program_name
F var_value

library table

F load

loaded table

lz4 table

F compress
F decompresssize
F framecompress
F framedecompress
F initialize

lzma table

F compress
F decompress
F initialize

lzo table

F compress
F decompresssize
F initialize

mujs table

F dofile
F execute
F initialize
F reset
F setclosefile
F setconsole
F setfindfile
F setopenfile
F setreadfile
F setseekfile

mysql table

F close
F execute
F getmessage
F initialize
F open

openssl table

F getversion
F initialize
F sign
F verify

postgres table

F close
F execute

| | | | |
|---------------|-------|--------------|-------|
| F getmessage | | zint | table |
| F initialize | | F execute | |
| F open | | F initialize | |
| sqlite | table | zstd | table |
| F close | | F compress | |
| F execute | | F decompress | |
| F getmessage | | F initialize | |
| F initialize | | | |
| F open | | | |

os (basic lua)

| | | | |
|---------------------|---------------------|----------------------|---------------------|
| __getenv__ | function | remove | overloaded function |
| __setenv__ | function | rename | overloaded function |
| binsuffix | string | resultof | function |
| binsuffixes | table | runtime | function |
| bits | number | selfarg | table |
| clock | function | selfbin | string |
| converttime | function | selfcore | string |
| date | overloaded function | selfdir | string |
| difftime | function | selflink | string |
| enableansi | function | selfname | string |
| env | data table | selfpath | string |
| execute | overloaded function | setenv | overloaded function |
| exit | overloaded function | setexitcode | function |
| fulltime | function | setlocale | overloaded function |
| getcodepage | function | sleep | function |
| getenv | overloaded function | time | function |
| gettimeofday | function | timezone | 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 | loadlib | function |
| cpath | string | luapaths | function |
| extralibpath | function | path | string |
| extralibpaths | function | poplibpath | function |
| extralupath | function | popluapath | function |
| extralupaths | function | preload | table |
| helpers | table | pushlibpath | function |
| libpaths | function | pushluapath | function |
| loaded | table | searchers | table |
| loaders | table | searchpath | 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 (context)

immediateobj function

pdfe (extra tex)

| | |
|--------------------------|----------|
| arraytotable | function |
| close | function |
| closestream | function |
| dictionarytotable | function |
| getarray | function |
| getboolean | function |
| getbox | function |
| getcatalag | function |
| getdictionary | function |
| getfromarray | function |
| getfromdictionary | function |
| getfromobject | function |
| getfromreference | function |
| getfromstream | function |
| getinfo | function |
| getinteger | function |
| getmemoryusage | function |
| getname | function |
| getnofobjects | function |
| getnofpages | function |

| | |
|------------------------|----------|
| getnumber | function |
| getobjectrange | function |
| getpage | function |
| getpages | function |
| getsize | function |
| getstatus | function |
| getstream | function |
| getstring | function |
| gettrailer | function |
| getversion | function |
| new | function |
| open | function |
| openfile | function |
| openstream | function |
| pagestotable | function |
| readfromstream | function |
| readwholestream | function |
| type | function |
| unencrypt | function |

physics (context)

units table

F registershortcut

F registerunit

D tables

pngdecode (extra tex)

applyfilter function
expand function
interlace function
makemask function

splitmask function
tocmyk function
tomask function

posit (extra lua)

| | | | |
|-------------------|----------|------------------|----------|
| NaN | function | copy | function |
| NaR | function | cos | function |
| __add | function | exp | function |
| __band | function | exp2 | function |
| __bor | function | floor | function |
| __bxor | function | fromposit | function |
| __div | function | integer | function |
| __eq | function | log | function |
| __le | function | log10 | function |
| __lt | function | log1p | function |
| __mul | function | log2 | function |
| __name | string | logb | function |
| __pow | function | max | function |
| __shl | function | min | function |
| __shr | function | modf | function |
| __sub | function | new | function |
| __tostring | function | pow | function |
| __unm | function | rotate | function |
| abs | function | round | function |
| acos | function | rounded | function |
| asin | function | shift | function |
| atan | function | sin | function |
| band | function | sqrt | function |
| bor | function | tan | function |
| bxor | function | tonumber | function |
| ceil | function | toposit | function |
| conj | function | tostring | function |

potrace (extra tex)

| | |
|--------------------|----------|
| checked | function |
| concat | function |
| contourplot | function |
| convert | function |
| count | function |
| flush | function |
| free | function |

| | |
|------------------|----------|
| getbitmap | function |
| new | function |
| process | function |
| setbitmap | function |
| stripped | function |
| totable | function |
| trace | function |

publications (context)

| | | | |
|-------------------------|------------|-----------------------------|----------|
| addtexentry | function | concatstate | function |
| analyze | function | converttoxml | function |
| anywhere | function | currentspecification | table |
| authorcache | data table | S author | |
| authorcollapsers | data table | T categories | |
| authorhashers | table | T article | |
| F invertedshort | | S category | |
| F normal | | T extra | |
| F normalinverted | | T fields | |
| F normalshort | | S author | |
| F sequential | | S editor | |
| F sequentialshort | | S journal | |
| F short | | S keywords | |
| authormap | data table | S note | |
| authortoregister | function | S number | |
| btx | table | 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 | |

| | | |
|----------------|------------------------|------------|
| T required | S page | |
| 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 | N steps | |
| S author | enhancers | table |
| S institution | F details | |
| S organization | F order | |
| S subtitle | F suffixes | |
| S title | finder | function |
| S year | firstofrange | function |
| T optional | found | function |
| T required | get | function |
| T sets | getcasted | function |
| T authors | getdetail | function |
| T virtual | getdirect | function |
| S comment | getfaster | function |
| S copyright | getfield | function |
| T fields | getfuzzy | function |
| S name | getindex | function |
| T types | inspectors | data table |
| S author | journals | table |
| S editor | F abbreviated | |
| S keywords | F add | |
| S number | F expanded | |

| | | | |
|---------------------------|----------|----------------------------|----------|
| F load | | F endnote | |
| F save | | F json | |
| lastofrange | function | F lua | |
| lists | table | F refman | |
| F collectentries | | F registercleaner | |
| F combiinlist | | F xml | |
| F fetchentries | | loadreplacementfile | function |
| F filterall | | meanings | table |
| F flushcombi | | new | function |
| F flushentry | | okay | function |
| F flushtag | | oneorange | function |
| T methods | | parenttag | function |
| F dataset | | permitted | function |
| F force | | prerollcmdstring | function |
| F global | | refman_to_btx | function |
| F label | | resolvedname | function |
| F local | | save | function |
| F nofregistered | | savers | table |
| F prepareentries | | F bib | |
| F register | | F lua | |
| F sameasprevious | | F xml | |
| T sorters | | search | function |
| F cite | | setcategory | function |
| F dataset | | setspecification | function |
| F default | | singularorplural | function |
| F index | | sortedentries | function |
| F list | | sortmethods | table |
| F reference | | T authortitle | |
| F short | | T sequence | |
| F used | | T authoryear | |
| F uservariable | | T sequence | |
| listvariants | table | T dataset | |
| F default | | T sequence | |
| F index | | T key | |
| F num | | T sequence | |
| F short | | specifications | table |
| F tag | | T default | |
| load | function | S author | |
| loadbibdata | function | S comment | |
| loaddefinitionfile | function | S copyright | |
| loaders | table | S name | |
| F bbl | | S version | |
| F bib | | D virtual | |
| F buffer | | splitauthor | function |

| | | | |
|-----------------------|----------|---------------------------|----------|
| splitoneauthor | function | F showdatasetcompleteness | |
| statistics | table | F showdatasetfields | |
| N nofbytes | | F showentry | |
| N nofdatasets | | F showfields | |
| N nofdefinitions | | F showhashedauthors | |
| N nofshortcuts | | F showtables | |
| tables | table | F showvariants | |
| D implicits | | typesetters | table |
| D origins | | F author | |
| D privates | | F string | |
| D sets | | usedataset | function |
| D specials | | usedentries | function |
| D types | | writers | table |
| D virtuals | | F author | |
| tags | function | F keyword | |
| tracers | table | F pagenumber | |
| F showdatasetauthors | | 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 | findfiles | function |
| appendhash | function | findgivenfile | function |
| automount | function | findgivenfiles | function |
| booleanvariable | function | findlib | function |
| cacheversion | string | findpath | function |
| checkedvariable | function | findpk | function |
| cleanedpathlist | function | findtexfile | function |
| cleaners | data table | findwildcardfile | function |
| cleanpath | function | findwildcardfiles | function |
| cleanpathlist | function | formatofsuffix | function |
| cleanupbinfile | function | formatofvariable | function |
| concatinators | data table | formats | data table |
| configbanner | string | foundintree | function |
| configurationfiles | function | foundintrees | function |
| dangerous | data table | generators | data table |
| datastate | function | get_from_content | function |
| decompressors | table | getenv | function |
| F register | | getextrapaths | function |
| F unregister | | getfilehashes | function |
| defaultsuffixes | table | gethashes | function |
| dirstatus | function | getownpath | function |
| dowithfilesandreport | function | getreadfilename | function |
| dowithfilesintree | function | hashers | data table |
| dowithpath | function | homedir | string |
| dowithvariable | function | ignorelibrary | function |
| executers | table | initialized | function |
| expandbraces | function | installinputfilehandler | function |
| expandedpathfromlist | function | installinputlinehandler | function |
| expandedpathlist | function | jobpath | function |
| expandedpathlistfromvariable | function | jobs | table |
| expandpath | function | F collectstructure | |
| expandpathfromvariable | function | F currentcomponent | |
| expansion | function | F currentenvironment | |
| extendtexmfvariable | function | F currentproduct | |
| filtered_from_content | function | F currentproject | |
| find_file | function | F currentstructure | |
| find_files | function | F justacomponent | |
| findbinfile | function | F namelist | |
| findctxfile | function | D processors | |
| finders | data table | F productcomponent | |
| findfile | function | F usefile | |

| | | | |
|--------------------------|------------|-------------------------------|------------|
| joinpath | function | registerfilehash | function |
| knownvariables | function | registerintrees | function |
| libraries | table | registermethod | function |
| F optionalloaded | | registerzipfile | function |
| F validoptional | | relations | data table |
| load | function | renew | function |
| loadbinfile | function | renewcache | function |
| loaders | data table | repath | function |
| loadlualib | function | reset | function |
| loadtexfile | function | resetextrapaths | function |
| loadtime | function | resetresolve | function |
| locateformat | function | resolve | function |
| locators | data table | savers | data table |
| luacnffallback | string | scandata | function |
| luacnfname | string | scanfiles | function |
| luacnfspec | string | schemes | table |
| luacnfstate | string | T cleaners | |
| macros | table | F md5 | |
| F convertfile | | F none | |
| F decodecomment | | F strip | |
| F enablecomment | | F cleannname | |
| F encodecomment | | F fetchstring | |
| F preprocessed | | F fetchtable | |
| F processmk | | F install | |
| F processmklx | | setdynamic | function |
| F processmkvi | | setenv | function |
| F version | | showpath | function |
| maxreadlevel | number | simplescanfiles | function |
| methodhandler | function | splitconfigurationpath | function |
| openbinfile | function | splitexpansions | function |
| openers | data table | splitmethod | function |
| openfile | function | splitpath | function |
| opentexfile | function | stackpath | function |
| ownpath | string | starttiming | function |
| popextrapath | function | stoptiming | function |
| popinputname | function | suffixes | data table |
| poppath | function | suffixmap | data table |
| prefixes | data table | suffixofformat | function |
| prependhash | function | texdatablob | function |
| pushextrapath | function | toppath | function |
| pushinputname | function | tracers | data table |
| pushpath | function | unexpandedpath | function |
| registerextrapath | function | unexpandedpathlist | function |
| registerfile | function | unresolve | function |

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

sandbox (context)

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

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

scripts (context)

autofontfeature table

F disable
F enable
F handler

colors data table

decomposehangul function

defaults table

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

getdata function

getinjector function

getsplitter function

getstatus function

handlers data table

helpers data table

injectors data table

inserters table

F nobreakspace_after

F nobreakspace_before

F space_after

F space_before

F zerowidthspace_after

F zerowidthspace_before

installdataset function

installmethod function

numbertodataset data table

numbertohandler data table

reset function

set function

setstatus function

splitters data table

set (context)

contains function

create function

tolist function

tonumber function

totable function

sha2 (extra lua)

| | |
|------------------|----------|
| HASH256 | function |
| HASH384 | function |
| HASH512 | function |
| HEX256 | function |
| HEX384 | function |
| HEX512 | function |
| digest256 | function |
| digest384 | function |
| digest512 | function |

| | |
|----------------|----------|
| hash256 | function |
| hash384 | function |
| hash512 | function |
| hex256 | function |
| hex384 | function |
| hex512 | function |
| sum256 | function |
| sum384 | function |
| sum512 | function |

sio (extra lua)

| | |
|--------------------------|----------|
| read2dot14 | function |
| readbytes | function |
| readbytetable | function |
| readcardinal1 | function |
| readcardinal1le | function |
| readcardinal2 | function |
| readcardinal2le | function |
| readcardinal3 | function |
| readcardinal3le | function |
| readcardinal4 | function |
| readcardinal4le | function |
| readcardinaltable | function |
| readcline | function |
| readcstring | function |
| readfixed2 | function |
| readfixed4 | function |
| readinteger1 | function |

| | |
|-------------------------|----------|
| readinteger1le | function |
| readinteger2 | function |
| readinteger2le | function |
| readinteger3 | function |
| readinteger3le | function |
| readinteger4 | function |
| readinteger4le | function |
| readintegertable | function |
| tocardinal1 | function |
| tocardinal1le | function |
| tocardinal2 | function |
| tocardinal2le | function |
| tocardinal3 | function |
| tocardinal3le | function |
| tocardinal4 | function |
| tocardinal4le | function |

socket (extra lua)

| | | |
|-----------------------|----------|-----------------------------|
| BLOCKSIZE | number | S content-md5 |
| _DATAGRAMSIZE | number | S content-range |
| _SETSIZE | number | S content-transfer-encoding |
| _SOCKETINVALID | number | S content-type |
| bind | function | S cookie |
| choose | function | S date |
| connect | function | S diagnostic-code |
| connect4 | function | S dsn-gateway |
| connect6 | function | S etag |
| dns | table | S expect |
| F getaddrinfo | | S expires |
| F gethostname | | S final-log-id |
| F getnameinfo | | S final-recipient |
| F tohostname | | S from |
| F toip | | 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 cc | | S proxy-authenticate |
| S comments | | S proxy-authorization |
| S connection | | S range |
| S content-description | | S received |
| S content-disposition | | S received-from-mta |
| S content-encoding | | S references |
| S content-id | | S referer |
| S content-language | | S remote-mta |
| S content-length | | S reply-to |
| S content-location | | S reporting-mta |

S resent-bcc
 S resent-cc
 S resent-date
 S resent-from
 S resent-message-id
 S resent-reply-to
 S resent-sender
 S resent-to
 S retry-after
 S return-path
 S sender
 S server
 S smtp-remote-recipient
 S status
 S subject
 S te
 S to
 S trailer
 S transfer-encoding
 S upgrade
 S user-agent
 S vary
 S via
 S warning
 S will-retry-until
 S www-authenticate
 S x-mailer
 F lower
 F normalize
http table
 N TIMEOUT
 S USERAGENT
 F genericform
 F open
 F request
newtry function

protect function
report function
select function
sink function
sinkt table
 F close-when-done
 F default
 F http-chunked
 F keep-open
skip function
sleep function
source function
sourcet table
 F by-length
 F default
 F http-chunked
 F until-closed
tcp function
tcp4 function
tcp6 function
tp table
 N TIMEOUT
 F connect
try function
udp function
udp4 function
udp6 function
url table
 F absolute
 F build
 F build_path
 F escape
 F parse
 F parse_path
 F unescape

sorters (context)

| | | | |
|---------------------|----------|------------------------|------------|
| basicsorter | function | 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 |

sparse (extra lua)

| | |
|---------------|----------|
| concat | function |
| get | function |
| max | function |
| min | function |
| new | function |

| | |
|-----------------|----------|
| range | function |
| restore | function |
| set | function |
| traverse | function |
| wipe | function |

statistics (context)

| | |
|-----------------------|----------|
| benchmarktimer | function |
| checkfmtstatus | function |
| currenttime | function |
| elapsed | function |
| elapsedindeed | function |
| elapsedseconds | function |
| elapsedtime | function |
| enable | boolean |
| formatruntime | function |
| hastiming | function |
| memused | function |
| register | function |

| | |
|----------------------|----------|
| resettiming | function |
| runtime | function |
| savefmtstatus | function |
| show | function |
| showmemory | function |
| showusage | function |
| starttiming | function |
| stoptiming | function |
| threshold | number |
| timed | function |
| tracefunction | function |

status (basic tex)

| | | | |
|------------------------------|----------|--------------------------|----------|
| getbufferstate | function | getluastate | function |
| getcallbackstate | function | getmarkstate | function |
| getconstants | function | getneststate | function |
| geterrorlinestate | function | getnodestate | function |
| geterrorstate | function | getparameterstate | function |
| getexpandstate | function | getpoolstate | function |
| getextrastate | function | getreadstate | function |
| getfilestate | function | getsavestate | function |
| getfontstate | function | getsparsestate | function |
| gethalferrorlinestate | function | getstringstate | function |
| gethashstate | function | gettexstate | function |
| gethyphenationstate | function | gettokenstate | function |
| getinputstate | function | getwarningstate | function |
| getinsertstate | function | iocodes | table |
| getlanguagestate | function | list | function |
| getlinebreakstate | function | resetmessages | function |
| getlookupstate | 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 | longtostring | function |
| autosingle | function | lower | function |
| booleanstring | function | match | function |
| byte | function | nospaces | function |
| bytepairs | function | nspace | table |
| bytes | function | octtointeger | function |
| bytetable | function | optionalquoted | function |
| char | function | pack | function |
| characterpairs | function | packrowscolumns | function |
| characters | function | packsize | function |
| checkedsplit | function | quote | function |
| chrtointeger | function | quoted | function |
| collapsespaces | function | rep | function |
| containsws | function | replacenewlines | function |
| count | function | reverse | function |
| dawson | function | split | function |
| dectointeger | function | splitlines | function |
| dump | function | splitup | function |
| erf | function | strip | function |
| erfc | function | sub | function |
| erfcx | function | texhashed | function |
| erfi | function | texnewlines | function |
| escapedpattern | function | tformat | function |
| escapedquotes | function | toHEX | function |
| explode | function | toboolean | function |
| f6 | function | tobytes | function |
| find | function | tocontext | function |
| format | function | todec | function |
| formatter | function | todimen | function |
| formatters | function | tohex | function |
| fullstrip | function | tonodes | function |
| gmatch | function | topattern | function |
| gsub | function | totable | function |
| hextocharacters | function | tounicode16 | function |
| hextointeger | function | toutf | function |
| is_boolean | function | toutf32 | function |
| is_empty | function | toutf8 | function |
| itself | function | tracedchar | function |
| len | function | tracedchars | table |
| limit | function | unescapedquotes | function |
| linetable | function | unpack | function |

| | |
|---------------------------|----------|
| unquote | function |
| unquoted | function |
| upper | function |
| utfcharacter | function |
| utfcharacters | function |
| utfcharacter table | function |
| utf length | function |
| utfpadd | function |
| utfpadding | function |

| | |
|----------------------|----------|
| utfvalue | function |
| utfvalues | function |
| utfvaluetable | function |
| valid | function |
| voigt | function |
| voigt_hwhm | function |
| wordsplitter | function |

structures (context)

| | | |
|-------------------|----------|--------------------------------------|
| atlocation | function | F last |
| blocks | table | F next |
| D collected | | F prev |
| F define | | F previous |
| F empty | | F raw |
| F print | | F record |
| F save | | F reset |
| F select | | F restart |
| F setstate | | F restore |
| D states | | F save |
| D tobesaved | | F set |
| F uservariable | | F setlevel |
| bookmarks | table | F setoffset |
| T extras | | F setown |
| F get | | F setstate |
| F mergesections | | F setvalue |
| F register | | T specials |
| F reset | | F userpage |
| F tosections | | F subs |
| F finalize | | D tobesaved |
| F flatten | | F value |
| F installhandler | | F way |
| F merge | | currentsectionnumber function |
| S method | | descriptions table |
| F overload | | documents table |
| F place | | D data |
| F register | | F initialize |
| F setopened | | 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 title | |
| F touserdata | |
| inserts | table |
| F attach | |
| D data | |
| F define | |
| F detach | |
| F getdata | |
| F getlocation | |
| F getname | |
| F getnumber | |
| F nofdetached | |
| F setlocation | |
| F setup | |
| D stored | |
| itemgroups | table |
| D collected | |
| D tobesaved | |
| lists | table |
| F addto | |
| F analyze | |
| B autoreorder | |
| D cached | |
| D collected | |
| F discard | |
| F enhance | |
| T enhancers | |
| F external | |
| F filter | |
| F formulainumber | |
| F getresult | |
| F groupindex | |
| F hasnumberdata | |
| F haspagedata | |
| F hastitledata | |
| F integrate | |
| F iscached | |
| D kinds | |
| F label | |
| F location | |
| D names | |
| F number | |
| D ordered | |
| F page | |

| | |
|----------------------------|--------------|
| F popnesting | |
| F prefix | |
| F prefixednumber | |
| F prefixedpage | |
| F process | |
| D pushed | |
| F pushnesting | |
| F rawnumber | |
| F realpage | |
| F reordered | |
| T result | |
| F savedlistnumber | |
| F savedlistprefixednumber | |
| F savedlisttitle | |
| D sectionblocks | |
| F sectionnumber | |
| F size | |
| F title | |
| D tobesaved | |
| F use | |
| F userdata | |
| F uservalue | |
| marks | table |
| F number | |
| F title | |
| notes | table |
| F check_spacing | |
| F checkpagechange | |
| F define | |
| F doifonsamepageasprevious | |
| F get | |
| F getdeltapage | |
| F getinternal | |
| F getn | |
| F getstate | |
| F hascontent | |
| F internal | |
| F internalid | |
| F listindex | |
| D numbers | |
| F ordered | |
| F postpone | |
| F resetpostponed | |
| F restore | |

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

- F reset
- D runners
- F set
- F setandgetattribute
- F setinternalreference
- F setlinkmethod
- F setnextinternal
- F setnextorder
- F setreferencerealpage
- F setstructure
- 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

table

- F define
- F enhance
- F extend
- F filter
- F filtercollected
- F finalize
- F findinternal
- F flush
- F get
- F integrate
- F prepare
- F process
- F setmethod
- F sort
- F store
- D tobesaved
- F tweak
- F unique
- F use
- 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 matchingtilldepth
- F numberatdepth
- F numbers
- F popblock
- F prefixedconverted

table

- F pushblock
- F register
- D registered
- F reportstructure
- F save
- T sectionblockdata
 - T bodypart
 - S bookmark
- F set
- F setblock
- F setchecker
- F setentry
- F setinitialblock
- F setlevel
- F setnumber
- F showstructure
- F structuredata
- F title
- D tobesaved
- F typesetnumber
- F userdata
- B verbose

sets table

- F define
- F get
- F getall
- D setlist

specials table

- D collected
- F retrieve
- F store
- D tobesaved

synonyms table

- F analyzed
- D collected
- F compare
- F define
- F enhance
- F filter
- F finalize
- F flush
- F isshown
- F isused
- F meaning

- F pages
- F prepare
- F process
- F register
- F registershown
- F registerused
- F reset
- F resetall
- F resetlist
- F resetshown
- F resetused
- F sort
- F synonym
- D tobesaved

tags table

- T backend
- T checks
 - F marginanchor
 - F margintext
 - F math
 - F mrow
 - F mtable
- T destinationhash
- T extras
 - F addimplicit
 - F addinternal
 - F combination
 - F delimitedsymbol
 - F description
 - F descriptionsymbol
 - F document
 - F float
 - F formulacontent
 - F image
 - F item
 - F itemgroup
 - F listitem
 - F mmultiscripts
 - F msub
 - F msubsup
 - F msup
 - F paragraph
 - F publication
 - F registerlocation

| | |
|---------------------|---------------------------|
| F registerpages | U splitter |
| F registerseparator | F pop |
| F section | D properties |
| F sorting | F push |
| F subsentencesymbol | F registerextradata |
| F synonym | F registermetadata |
| F tablecell | F restart |
| F tabulate | F setaspect |
| F tabulatecell | F setattributehash |
| T finalizers | F setcodepoint |
| F descriptions | F setcombination |
| T fixes | F setconstruct |
| F linenumber | F setfigure |
| T listdata | F setfloat |
| T referencehash | F setformulacontent |
| F setattribute | F sethighlight |
| T usedimages | F setitem |
| T image | F setitemgroup |
| T usedstyles | F setlist |
| T construct | F setnotation |
| T highlight | F setnotationsymbol |
| F current | F setparagraph |
| F elementtag | F setproperty |
| F enabled | F setpublication |
| F exportbox | F setregister |
| F finishexport | F setsorting |
| F getextradata | F setsynonym |
| F getid | F settablecell |
| F getmetadata | F settabulatecell |
| F gettablecell | F settagdelimitedsymbol |
| F gettabulatecell | F settagsubsentencesymbol |
| F handler | F setupexport |
| T ignored | F setuserproperties |
| F initializeexport | D specifications |
| D labels | F start |
| F last | F stop |
| F lastinchain | F strip |
| F localexport | D taglist |
| F locatedtag | T usewithcare |
| T patterns | |

table (basic lua)

| | | | |
|------------------------|----------|-----------------------------|----------|
| allkeys | function | orderedhash | function |
| append | function | pack | function |
| are_equal | function | prepend | function |
| collapsed | function | print | function |
| collapsedhash | function | remove | function |
| combine | function | reverse | function |
| compact | function | reversed | function |
| concat | function | save | function |
| contains | function | sequenced | function |
| copy | function | serialize | function |
| count | function | setmetatablecall | function |
| create | 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 |
| makewweak | function | twowaymapper | function |
| merge | function | unique | function |
| merged | function | unnest | function |
| mirrored | function | unpack | function |
| move | function | values | function |
| ordered | function | | |

tex (basic tex)

| | | | |
|--------------------------------|------------|------------------------------------|------------|
| amcode | table | extraprimitives | function |
| attribute | table | fatalerror | function |
| automigrationcodes | data table | fillcodes | data table |
| autoparagraphcodes | data table | flagcodes | data table |
| badness | function | fontidentifier | function |
| boundaries | table | fontname | function |
| D names | | forcehmode | function |
| D numbers | | forceinputstatefile | function |
| F system | | forceinputstateline | function |
| box | table | fprint | function |
| boxresources | table | frozenparcodes | data table |
| F getbox | | get | function |
| F getdimensions | | getalignmentcontextvalues | function |
| F save | | getamcode | function |
| F use | | getappendlinecontextvalues | function |
| breakcodes | data table | getattribute | function |
| buildcodes | data table | getautomigrationvalues | function |
| catcode | table | getautoparagraphvalues | function |
| charactertagcodes | data table | getbox | function |
| chardef | function | getboxdir | function |
| classoptioncodes | data table | getboxresourcebox | function |
| codes | table | getboxresourcedimensions | function |
| conditionals | data table | getbreakcontextvalues | function |
| constants | data table | getbuildcontextvalues | function |
| count | table | getcardinalvalue | function |
| cprint | function | getcatcode | function |
| ctdcacodes | number | getcharactertagvalues | function |
| ctxcatcodes | number | getcount | function |
| definefont | function | getdelcode | function |
| delcode | table | getdelcodes | function |
| dimen | table | getdimen | function |
| dimensiondef | function | getdimensionvalue | function |
| directioncodes | data table | getdirectionvalues | function |
| directives | data table | getdiscoptionvalues | function |
| discoptioncodes | data table | getdiscstatevalues | function |
| dontcomplain | function | getdoublescriptoptionvalues | function |
| doublescriptoptioncodes | data table | geterrorvalues | function |
| enableprimitives | function | getfillvalues | function |
| error | function | getflagvalues | function |
| expandasvalue | function | getfloat | function |
| experiments | data table | getfontoffamily | function |

| | | | |
|---------------------------------------|-----------------------|--|-----------------------|
| <code>getfrozenparvalues</code> | <code>function</code> | <code>getmathdir</code> | <code>function</code> |
| <code>getglue</code> | <code>function</code> | <code>getmathgluevalues</code> | <code>function</code> |
| <code>getglueoptionvalues</code> | <code>function</code> | <code>getmathoptionvalues</code> | <code>function</code> |
| <code>getglyphdata</code> | <code>function</code> | <code>getmathparametervalues</code> | <code>function</code> |
| <code>getglyphoptionvalues</code> | <code>function</code> | <code>getmathscriptordervalue</code> | <code>function</code> |
| <code>getglyphscales</code> | <code>function</code> | <code>getmathscriptsmodevalues</code> | <code>function</code> |
| <code>getglyphscript</code> | <code>function</code> | <code>getmathstylenamevalues</code> | <code>function</code> |
| <code>getglyphstate</code> | <code>function</code> | <code>getmathstylevalues</code> | <code>function</code> |
| <code>getgroupvalues</code> | <code>function</code> | <code>getmathstylevariant</code> | <code>function</code> |
| <code>gethccode</code> | <code>function</code> | <code>getmathsurroundvalues</code> | <code>function</code> |
| <code>gethelptext</code> | <code>function</code> | <code>getmathvariantpresets</code> | <code>function</code> |
| <code>gethmcodes</code> | <code>function</code> | <code>getmathvariantvalues</code> | <code>function</code> |
| <code>gethyphenationvalues</code> | <code>function</code> | <code>getmeasure</code> | <code>function</code> |
| <code>getiftypes</code> | <code>function</code> | <code>getmode</code> | <code>function</code> |
| <code>getinputstatefile</code> | <code>function</code> | <code>getmodevalues</code> | <code>function</code> |
| <code>getinputstateline</code> | <code>function</code> | <code>getmuglue</code> | <code>function</code> |
| <code>getinputstatemode</code> | <code>function</code> | <code>getmuskip</code> | <code>function</code> |
| <code>getinsertcontent</code> | <code>function</code> | <code>getnest</code> | <code>function</code> |
| <code>getinsertdepth</code> | <code>function</code> | <code>getnestlevel</code> | <code>function</code> |
| <code>getinsertdistance</code> | <code>function</code> | <code>getnoadoptionvalues</code> | <code>function</code> |
| <code>getinsertheight</code> | <code>function</code> | <code>getnormalizelinevalues</code> | <code>function</code> |
| <code>getinsertlimit</code> | <code>function</code> | <code>getnormalizeparvalues</code> | <code>function</code> |
| <code>getinsertmultiplier</code> | <code>function</code> | <code>getoutputactive</code> | <code>function</code> |
| <code>getinsertwidth</code> | <code>function</code> | <code>getpacktypevalues</code> | <code>function</code> |
| <code>getintegervalue</code> | <code>function</code> | <code>getpagecontextvalues</code> | <code>function</code> |
| <code>getinteraction</code> | <code>function</code> | <code>getpagestate</code> | <code>function</code> |
| <code>getinteractionmodes</code> | <code>function</code> | <code>getparametermodevalues</code> | <code>function</code> |
| <code>getiovalues</code> | <code>function</code> | <code>getparcontextvalues</code> | <code>function</code> |
| <code>getkerneloptionvalues</code> | <code>function</code> | <code>getpardir</code> | <code>function</code> |
| <code>getlargestusedmark</code> | <code>function</code> | <code>getparmodevalues</code> | <code>function</code> |
| <code>getlccode</code> | <code>function</code> | <code>getparstate</code> | <code>function</code> |
| <code>getlinedir</code> | <code>function</code> | <code>getpartriggervalue</code> | <code>function</code> |
| <code>getlist</code> | <code>function</code> | <code>getpenaltyoptionvalues</code> | <code>function</code> |
| <code>getlistanchorvalues</code> | <code>function</code> | <code>getpositvalue</code> | <code>function</code> |
| <code>getlistgeometryvalues</code> | <code>function</code> | <code>getprepoststatevalues</code> | <code>function</code> |
| <code>getlistsignvalues</code> | <code>function</code> | <code>getprimitiveorigins</code> | <code>function</code> |
| <code>getlocalbox</code> | <code>function</code> | <code>getprotrusionboundaryvalues</code> | <code>function</code> |
| <code>getlocallevel</code> | <code>function</code> | <code>getregisterindex</code> | <code>function</code> |
| <code>getmark</code> | <code>function</code> | <code>getruleoptionvalues</code> | <code>function</code> |
| <code>getmath</code> | <code>function</code> | <code>getrunstatevalues</code> | <code>function</code> |
| <code>getmathclassoptionvalues</code> | <code>function</code> | <code>getsfcode</code> | <code>function</code> |
| <code>getmathcode</code> | <code>function</code> | <code>getshapingpenaltiesvalues</code> | <code>function</code> |
| <code>getmathcodes</code> | <code>function</code> | <code>getskip</code> | <code>function</code> |
| <code>getmathcontrolvalues</code> | <code>function</code> | <code>getspecialmathclassvalues</code> | <code>function</code> |

| | | |
|-----------------------------|------------|------------------------------|
| gettextcontrolvalues | function | N defaulteqnogapstep |
| gettextdir | function | N defaultthangafter |
| gettoks | function | N defaultoutputbox |
| getuicode | function | N defaultpredisplaygap |
| getunitclassvalues | function | N defaultrule |
| glue | table | N defaultspacefactor |
| glueoptioncodes | data table | N defaulttolerance |
| glyphoptioncodes | data table | N deplorable |
| groupcodes | data table | N ejectpenalty |
| hashtokens | function | N ignoredepth |
| hccode | table | N infinitebad |
| hmcode | table | N infinitepenalty |
| hshcatcodes | number | N infinity |
| hyphenationcodes | data table | N largewidthexcess |
| ifs | data table | N loosecriterion |
| inicatcodes | number | N mathallclass |
| integerdef | function | N mathbeginclass |
| interactioncodes | data table | N mathdefaultpenalty |
| isattribute | function | N mathendclass |
| isbox | function | N mathfirstuserclass |
| iscount | function | N mathlastuserclass |
| isdefined | function | N maxattributeregisterindex |
| isdimen | function | N maxboxregisterindex |
| isfloat | function | N maxbytecodeindex |
| isglue | function | N maxcalculatedbadness |
| ismuglue | function | N maxcardinal |
| ismuskip | function | N maxcategorycode |
| isprintable | function | N maxcharactercode |
| isskip | function | N maxdatavalue |
| istoks | function | N maxdimen |
| lastnodetype | function | N maxdimenregisterindex |
| lccode | table | N maxdimension |
| linebreak | function | N maxdimensionregisterindex |
| listanchorcodes | data table | N maxendlinecharacter |
| listgeometrycodes | data table | N maxfloatregisterindex |
| lists | table | N maxfontadjustshrinkfactor |
| listsigncodes | data table | N maxfontadjuststep |
| luacatcodes | number | N maxfontadjuststretchfactor |
| magicconstants | table | N maxfunctionreference |
| N assumedmathcontrol | | N maxglueregisterindex |
| N awfulbad | | N maxhalfvalue |
| N decentcriterion | | N maxhalfword |
| N defaultcatcodetable | | N maxinteger |
| N defaultdeadcycles | | N maxintegerregisterindex |

| | | |
|--------------------------|--------------------------------|------------|
| N maxintregisterindex | N unusedattributevalue | |
| N maxlimitedscale | N unusedmathfamily | |
| N maxmarkindex | N unusedmathstyle | |
| N maxmathclasscode | N unusedscriptvalue | |
| N maxmathfamilyindex | N unusedstatevalue | |
| N maxmathscalingfactor | N zeroglua | |
| N maxmathstylescale | mathchardef | function |
| N maxmuglueregisterindex | mathcode | table |
| N maxnewlinecharacter | mathcontrolcodes | data table |
| N maxnofbytecodes | mathoptioncodes | data table |
| N maxnofcatcodetables | mathparametercodes | data table |
| N maxnoffonts | mathscriptordercodes | data table |
| N maxnoflanguages | mathscriptsmodecodes | data table |
| N maxnofmarks | modelevels | table |
| N maxnofmathfamilies | N horizontal | |
| N maxquarterword | N math | |
| N maxscalefactor | N unset | |
| N maxsizeofword | N vertical | |
| N maxspacefactor | modes | data table |
| N maxtoksregisterindex | mprint | function |
| N mincardinal | muglua | table |
| N mindatavalue | muskip | table |
| N mindimen | nest | table |
| N mindimension | nilcatcodes | number |
| N minhalfword | noadoptioncodes | data table |
| N mininfinity | normalizelinecodes | data table |
| N mininteger | normalizeparcodes | data table |
| N minquarterword | notcatcodes | number |
| N minscalefactor | number | function |
| N minspacefactor | parcontextcodes | data table |
| N nocatcodetable | partriggercodes | data table |
| N null | penaltyoptioncodes | data table |
| N nullflag | poplocal | function |
| N nullfont | popsavelevel | function |
| N onebp | posit | table |
| N presetrulethickness | positdef | function |
| N runningrule | preparelinebreak | function |
| N smallstretchability | primitives | function |
| N texeqtbsize | print | function |
| N texhashprime | protrusionboundarycodes | data table |
| N texhashsize | prtcacodes | number |
| N two | pushlocal | function |
| N undefinedmathparameter | pushsavelevel | function |
| N unity | quitlocal | function |

| | | | |
|----------------------------|------------|------------------------------|---------------------|
| quittoks | function | setmath | function |
| resetparagraph | function | setmathcode | function |
| rlncatcodes | number | setmathdir | function |
| romannumeral | function | setmuglue | function |
| round | function | setmuskip | function |
| ruleoptioncodes | data table | setnest | function |
| runlocal | function | setpardir | function |
| runstring | function | setpositvalue | function |
| runtoks | function | setrunstate | overloaded function |
| saveboxresource | function | setsfcode | function |
| scale | function | setskip | function |
| scantoks | function | settexdir | function |
| set | function | settoks | function |
| setamcode | function | setuccode | function |
| setattribute | function | sfcode | table |
| setbox | function | shapingpenaltiescodes | data table |
| setboxdir | function | shiftparshape | function |
| setcardinalvalue | function | shipout | function |
| setcatcode | function | showcontext | function |
| setconditional | function | skip | table |
| setcount | function | snapshotpar | function |
| setdelcode | function | sp | function |
| setdimen | function | specialmathclasscodes | data table |
| setdimensionvalue | function | splitbox | function |
| setfloat | function | sprint | function |
| setglue | function | stringtocodesbitmap | function |
| setglyphdata | function | systemmodes | data table |
| setglyphscript | function | takebox | function |
| setglyphstate | function | texcatcodes | number |
| sethcode | function | textcontrolcodes | data table |
| sethmcode | function | toks | table |
| setinputstatefile | function | tonumber | function |
| setinputstateline | function | toscaled | function |
| setinputstatemode | function | tpacatcodes | number |
| setinsertcontent | function | tpbcatcodes | number |
| setinserttdistance | function | tprint | function |
| setinsertlimit | function | trackers | data table |
| setinsertmultiplier | function | triggerbuildpage | function |
| setintegervalue | function | txtcatcodes | number |
| setinteraction | function | uccode | table |
| setlcode | function | uprint | function |
| setlinedir | function | useboxresource | function |
| setlist | function | userdiscoptioncodes | data table |
| setlocalbox | function | userglyphoptioncodes | data table |

vrbcategories

number

write

function

texconfig (basic tex)

| | | | |
|--|---------------------|---|--------|
| buffer size | table | language size | table |
| N size | | N size | |
| N step | | N step | |
| error line size | table | mark size | table |
| N size | | N size | |
| expand size | table | N step | |
| N size | | nest size | table |
| file size | table | N size | |
| N size | | N step | |
| N step | | node size | table |
| first line | string | N size | |
| font size | table | N step | |
| N size | | param eter size | table |
| N step | | N size | |
| format name | string | N step | |
| function size | number | pool size | table |
| half error line size | table | N size | |
| N size | | N step | |
| hash size | table | prop erti ess ize | number |
| N size | | save size | table |
| N step | | N size | |
| init | overloaded function | N step | |
| input size | table | shell_ escape | string |
| N size | | string size | table |
| N step | | N size | |
| insert size | table | N step | |
| N size | | token size | table |
| N step | | N size | |
| kpse_ init | boolean | N step | |

texio (basic tex)

| | |
|--------------------------|----------|
| closeinput | function |
| forceendoffile | function |
| getinputindex | function |
| getsourcefilename | function |
| setlogfile | function |
| terminal | function |

| | |
|------------------------|----------|
| write | function |
| write_nl | function |
| writeln | function |
| writeselector | function |
| writeselectorlf | function |
| writeselectornl | function |

token (basic tex)

| | | | |
|-------------------------|----------|---------------------------|----------|
| create | function | getdimension | function |
| expand | function | getexpandable | function |
| expand_macro | function | getexpansion | function |
| expandmacro | function | getfields | function |
| future_expand | function | getflags | function |
| futureexpand | function | getfrozen | function |
| get_active | function | getfunctionvalues | function |
| get_cmdchrscs | function | getid | function |
| get_cmdname | function | getimmutable | function |
| get_command | function | getindex | function |
| get_csname | function | getinstance | function |
| get_cstoken | function | getinteger | function |
| get_dimension | function | getmacro | function |
| get_expandable | function | getmeaning | function |
| get_fields | function | getnoaligned | function |
| get_flags | function | getparameters | function |
| get_frozen | function | getpermanent | function |
| get_id | function | getprimitive | function |
| get_immutable | function | getprimitives | function |
| get_index | function | getprotected | function |
| get_instance | function | getrange | function |
| get_integer | function | gettok | function |
| get_macro | function | gettolerant | function |
| get_meaning | function | gobble | function |
| get_noaligned | function | gobble_dimen | function |
| get_parameters | function | gobble_integer | function |
| get_permanent | function | gobbledimen | function |
| get_primitive | function | gobbleinteger | function |
| get_protected | function | grab | function |
| get_range | function | is_defined | function |
| get_tok | function | is_next_char | function |
| get_tolerant | function | is_token | function |
| getactive | function | isdefined | function |
| getcmdchrscs | function | isnextchar | function |
| getcmdname | function | istoken | function |
| getcommand | function | new | function |
| getcommandid | function | peek_next | function |
| getcommandvalues | function | peek_next_char | function |
| getconstant | function | peek_next_expanded | function |
| getcscname | function | peeknext | function |
| getcstoken | function | peeknextchar | function |

| | | | |
|------------------------------|----------|------------------------------|----------|
| peeknextexpanded | function | scan_value | function |
| pop_macro | function | scan_word | function |
| popmacro | function | scanargument | function |
| push_macro | function | scanbox | function |
| pushmacro | function | scancardinal | function |
| put_back | function | scanchar | function |
| put_next | function | scancmdchr | function |
| putback | function | scancmdchrexploded | function |
| putnext | function | scancode | function |
| save_lua | function | scancsname | function |
| savelua | function | scanctoken | function |
| scan_argument | function | scandelimited | function |
| scan_box | function | scandetokened | function |
| scan_cardinal | function | scandimen | function |
| scan_char | function | scandimenargument | function |
| scan_cmdchr | function | scandimension | function |
| scan_cmdchr_expanded | function | scandimensionargument | function |
| scan_code | function | scanfloat | function |
| scan_csname | function | scan glue | function |
| scan_delimited | function | scanint | function |
| scan_dimen | function | scaninteger | function |
| scan_dimen_argument | function | scanintegerargument | function |
| scan_float | function | scankey | function |
| scan_glue | function | scankeyword | function |
| scan_integer | function | scankeywordcs | function |
| scan_integer_argument | function | scanletters | function |
| scan_key | function | scanluacardinal | function |
| scan_keyword | function | scanluainteger | function |
| scan_keyword_cs | function | scanluanumber | function |
| scan_letters | function | scannext | function |
| scan_luacardinal | function | scannextchar | function |
| scan_luainteger | function | scannextexpanded | function |
| scan_luanumber | function | scanposit | function |
| scan_next | function | scanreal | function |
| scan_next_char | function | scanscale | function |
| scan_next_expanded | function | scanskip | function |
| scan_real | function | scanstring | function |
| scan_scale | function | scantoken | function |
| scan_skip | function | scantokencode | function |
| scan_string | function | scantokenlist | function |
| scan_token | function | scantokenstring | function |
| scan_token_code | function | scantoks | function |
| scan_tokenlist | function | scanvalue | function |
| scan_toks | function | scanword | function |

| | | | |
|----------------------|----------|---------------------------|----------|
| serialize | function | setlua | function |
| set_char | function | setmacro | function |
| set_dimension | function | skip_next | function |
| set_integer | function | skip_next_expanded | function |
| set_lua | function | skipnext | function |
| set_macro | function | skipnextexpanded | function |
| setchar | function | type | function |
| setdimension | function | undefine_macro | function |
| setinteger | function | undefinemacro | function |

tokens (context)

accessors table

F active
F cmd
F cmdchrscs
F cmdname
F command
F csname
F expandable
F frozen
F index
F name
F protected
F range

astable function

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

cache data table

commands data table

compile function

constant function

converters table

S toboolean

S todimen

S toglue

S tonumber

S tostring

create function

defined function

flags function

getinteger function

getters table

F box

F count

F cstoken

F dimen

F glue

F macro

F meaning

F skip

F token

gobble function

isdefined function

istoken function

new function

pickup function

popmacro function

presets table

T 1 argument

T 1 integer

T 1 optional

T 1 string

T 2 arguments

T 2 integers

T 2 optionals

T 2 strings

T 3 arguments

T 3 integers

T 3 optionals

T 3 strings

T 4 arguments

T 4 integers

T 4 optionals

T 4 strings

T 5 strings
T 6 strings
T 7 strings
T 8 strings
pushmacro function
scanners table

F argument
F argumentasis
F array
F boolean
F box
F bracketed
F bracketedasis
F cardinal
F char
F cmdchr
F cmdchrexplained
F code
F conditional
F count
F csname
F csnameunchecked
F delimited
F detokened
F dimen
F dimenargument
F dimension
F float
F glue
F gluespec
F gluevalues
F hash
F hbox
F integer
F integerargument
F ischar
F key
F keyword
F keywordcs
F letters
F list
F lua
F luacardinal
F luainteger

F luanumber
F lxmlid
F next
F nextchar
F nextexpanded
F number
F optional
F peek
F peekchar
F peekexpanded
F posit
F real
F scanclose
F scanopen
F skip
F skipexpanded
F string
F table
F token
F tokencode
F tokenlist
F tokens
F tokenstring
F toks
F value
F vbox
F verbatim
F vtop
F whd
F word

setinteger function
setters table

F box
F char
F count
F dimen
F glue
F lua
F macro
F skip

shortcuts table

T bits
N active
N alignment

| | |
|---------------|---------------------|
| N begingroup | F band |
| N character | F bor |
| N close | F bxor |
| N comment | F ceil |
| N endgroup | F conj |
| N endofline | F copy |
| N escape | F cos |
| N ignore | F exp |
| N invalid | F exp2 |
| N letter | F floor |
| N mathshift | F fromposit |
| N open | F integer |
| N other | F log |
| N parameter | F log10 |
| N space | F loglp |
| N subscript | F log2 |
| N superscript | F logb |
| N whitespace | F max |
| N close | F min |
| F inspect | F modf |
| N open | F new |
| T posit | F pow |
| F NaN | F rotate |
| F NaR | F round |
| F __add | F rounded |
| F __band | F shift |
| F __bor | F sin |
| F __bxor | F sqrt |
| F __div | F tan |
| F __eq | F tonumber |
| F __le | F toposit |
| F __lt | F tostring |
| F __mul | F report |
| S __name | F scanargument |
| F __pow | F scanargumentasis |
| F __shl | F scanarray |
| F __shr | F scanboolean |
| F __sub | F scanbox |
| F __tostring | F scanbracketed |
| F __unm | F scanbracketedasis |
| F abs | F scancardinal |
| F acos | F scanclose |
| F asin | F scancode |
| F atan | F scanconditional |

| | |
|-----------------------|-------------------|
| F scancsname | F gluespec |
| F scancsnameunchecked | F gluevalues |
| F scandalimited | F hash |
| F scandetokened | F hbox |
| F scandimen | F integer |
| F scandimenargument | F integerargument |
| F scandimension | F ischar |
| F scanfloat | F key |
| F scanglue | F keyword |
| F scangluespec | F keywordcs |
| F scangluevalues | F letters |
| F scanhash | F list |
| F scanhbox | F lua |
| F scaninteger | F luacardinal |
| F scanintegerargument | F luainteger |
| F scankeyword | F luanumber |
| F scankeywords | F lxmlid |
| F scanletters | F next |
| F scanlist | F nextchar |
| F scanlua | F nextexpanded |
| T scanners | F number |
| F argument | F optional |
| F argumentasis | F peek |
| F array | F peekchar |
| F boolean | F peekexpanded |
| F box | F posit |
| F bracketed | F real |
| F bracketedasis | F scanclose |
| F cardinal | F scanopen |
| F char | F skip |
| F cmdchr | F skipexpanded |
| F cmdchrexploded | F string |
| F code | F table |
| F conditional | F token |
| F count | F tokencode |
| F csname | F tokenlist |
| F csnameunchecked | F tokens |
| F delimited | F tokenstring |
| F detokened | F toks |
| F dimen | F value |
| F dimenargument | F vbox |
| F dimension | F verbatim |
| F float | F vtop |
| F glue | F whd |

| | |
|-------------------|---------------------|
| F word | T getters |
| F scannumber | F box |
| F scanopen | F count |
| F scanoptional | F cstoken |
| F scanstring | F dimen |
| F scantable | F glue |
| F scantokenlist | F macro |
| F scantokenstring | F meaning |
| F scantoks | F skip |
| F scanvbox | F token |
| F scanverbatim | F gobble |
| F scanvtop | F isdefined |
| F scanword | F istoken |
| F toboolean | F new |
| F todimen | F pickup |
| T tokens | F popmacro |
| T accessors | T presets |
| F active | F pushmacro |
| F cmd | F setinteger |
| F cmdchr | T setters |
| F cmdchr | F box |
| F cmdname | F char |
| F command | F count |
| F csname | F dimen |
| F expandable | F glue |
| F frozen | F lua |
| F index | F macro |
| F name | F skip |
| F protected | T shortcuts |
| F range | N close |
| F astable | F inspect |
| D cache | N open |
| D commands | F report |
| F compile | F scanargument |
| F constant | F scanargumentasis |
| T converters | F scanarray |
| S toboolean | F scanboolean |
| S todimen | F scanbox |
| S toglue | F scanbracketed |
| S tonumber | F scanbracketedasis |
| S toString | F scancardinal |
| F create | F scanclose |
| F defined | F scancode |
| F flags | F scanconditional |
| F getinteger | |

| | |
|-------------------------|--------------------------|
| F scancsname | F scannumber |
| F scancsnameunchecked | F scanopen |
| F scandelimited | F scanoptional |
| F scandetokened | F scanstring |
| F scandimen | F scantable |
| F scandimenargument | F scantokenlist |
| F scandimension | F scantokenstring |
| F scanfloat | F scantoks |
| F scan glue | F scanvbox |
| F scan glue spec | F scanverbatim |
| F scan glue values | F scanvtop |
| F scan hash | F scanword |
| F scan hbox | F toboolean |
| F scan integer | F todimen |
| F scan integer argument | F tonumber |
| F scan keyword | F tostring |
| F scan keyword cs | D values |
| F scan letters | F tonumber |
| F scan list | F tostring |
| F scan lua | values data table |

tracers (context)

printerror function
printwarning function

showlines function

trackers (context)

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

typesetters (context)

| | | | |
|-----------------------|-------|---------------------|------------------|
| alignments | table | | F getmethod |
| breakpoints | table | | F handler |
| | | | T handlers |
| | | | F installhandler |
| | | | F set |
| | | | F setcolor |
| | | | F tomode |
| | | firstlines | table |
| | | | T actions |
| | | | F default |
| | | | F line |
| | | | F word |
| | | | F handler |
| | | | F set |
| cases | table | fontkerns | table |
| | | | F handler |
| | | initials | table |
| | | | T actions |
| | | | F default |
| | | | F handler |
| | | | F set |
| characteralign | table | injectors | table |
| | | | F check |
| | | | T list |
| | | | F mark |
| | | | F reset |
| | | | F set |
| | | | F show |
| characters | table | italics | table |
| | | | F enablemath |
| | | | F enabletext |
| | | | F handler |
| checkers | table | kerns | table |
| | | | D factors |
| | | | F handler |
| | | | F keepeligature |
| | | | D mapping |
| | | | F set |
| cleaners | table | localboxes | table |
| | | | F handler |
| | | manipulators | table |
| corrections | table | | |
| | | | |
| digits | table | | |
| | | | |
| | | | |
| | | | |
| directions | 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 moveinline
- 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
- showinvisibles** function
- 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
- stacking** table
 - F handler
- synchronize** table
 - F handler
- tighten** table
 - F handler
- wrappers** table
- 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

updaters (context)

apply function

register function

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 (basic lua)

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 readcardinal1le
- F readcardinal2
- F readcardinal2le
- F readcardinal3
- F readcardinal3le
- F readcardinal4
- F readcardinal4le
- F readcardinaltable
- F readchar
- F readcline
- F readcstring
- F readfixed2
- F readfixed4
- F readinteger
- F readinteger1
- F readinteger1le
- F readinteger2
- F readinteger2le
- F readinteger3
- F readinteger3le
- F readinteger4
- F readinteger4le
- F readintegertable

- F readsignedbyte
- F readstring
- F readtag
- F setposition
- F size
- F skip
- F skiplong
- F skipposition
- F skipshort
- F writebyte
- F writecardinal1
- F writecardinal1le
- F writecardinal2
- F writecardinal2le
- F writecardinal3
- F writecardinal3le
- F writecardinal4
- F writecardinal4le
- F writeinteger1
- F writeinteger1le
- F writeinteger2
- F writeinteger2le
- F writeinteger3
- F writeinteger3le
- F writeinteger4
- F writeinteger4le
- F writestring

formatters table

- F formatcolumns
- F list
- F stripzeros

ghostscript table

- F convert
- F statistics

graphicmagick table

- F convert
- F statistics

graphicsmagick table

- F convert
- F statistics

lua table

| | | | |
|----------------|------------------------|---|---|
| B | alwaysstripcode | B | auto |
| F | checkmemory | B | broad |
| F | compile | B | fit |
| F | loadedluacode | B | max |
| F | loadstring | B | min |
| F | loadstripped | T | text,hidden,paper,page,leftpage,rightpage |
| N | nofstrippedbytes | B | hidden |
| N | nofstrippedchunks | B | leftpage |
| F | registerfinalizer | B | page |
| B | stripcode | B | paper |
| T | strippedchunks | B | rightpage |
| F | strippedloadstring | B | text |
| T | suffixes | F | iterator |
| S | lmt | F | keq_to_hash |
| S | lua | F | listitem |
| S | luc | F | make_settings_to_hash_pattern |
| S | lui | F | mergehashes |
| S | luj | F | options_to_array |
| S | luv | F | options_to_hash |
| S | tma | T | patterns |
| S | tmc | U | settings_to_array |
| S | tua | U | settings_to_hash_a |
| S | tuc | U | settings_to_hash_b |
| packers | table | U | settings_to_hash_c |
| F | hashed | U | settings_to_hash_d |
| F | new | U | unittotex |
| F | pack | F | process_stripped_settings |
| F | simplehashed | F | rfc4180splitter |
| F | strip | F | runtime |
| F | unpack | F | settings_to_array |
| N | version | F | settings_to_array_obey_fences |
| parsers | table | F | settings_to_array_with_repeat |
| F | add_settings_to_array | F | settings_to_hash |
| F | arguments_to_table | F | settings_to_hash_colon_too |
| F | array_to_string | F | settings_to_hash_strict |
| F | csvsplitter | F | settings_to_hash_tolerant |
| F | getparameters | F | settings_to_numbers |
| F | groupedsplitat | F | settings_to_set |
| F | hash_to_string | F | simple_hash_to_string |
| T | hashes | F | splitmethod |
| T | settings_to_list | F | splitthousands |
| T | tablet | F | stepper |
| T | settings_to_set | F | stripped_settings_to_array |
| T | min,max,fit,broad,auto | F | totime |

F unittotex
 F unittotxml
randomizer table
 F get
 F getnumber
 F getrepeatable
 F getrepeatableseed
 F getseed
 F newrepeatable
 F popseed
 F pushseed
 F repeatable
 F reuseseed
 F setseed
 F setseedi
randomizers table
 F poisson
sequencers table
 F appendaction
 F appendgroup
 F compile
 F disableaction
 F disablegroup
 F enableaction
 F enablegroup
 D functions
 F localize
 F new
 F nodeprocessor
 F prependaction
 F prependgroup
 F removeaction
 F replaceaction
 F setkind
 F toString
setters table
 F disable
 F enable
 F initialize
 F list
 F new
 F register
 F report
 F reset

F show
stacker table
 F new
storage table
 F allocate
 F checked
 F mark
 F marked
 F setinitializer
 F sparse
streams table
 F close
 F getposition
 F getsize
 F getstring
 F look
 F open
 F openstring
 F read2dot14
 F readbyte
 F readbytes
 F readbytetable
 F readcardinal
 F readcardinal1
 F readcardinal1le
 F readcardinal2
 F readcardinal2le
 F readcardinal3
 F readcardinal3le
 F readcardinal4
 F readcardinal4le
 F readcardinaltable
 F readchar
 F readcline
 F readcstring
 F readfixed2
 F readfixed4
 F readinteger
 F readinteger1
 F readinteger1le
 F readinteger2
 F readinteger2le
 F readinteger3
 F readinteger3le

- F readinteger4
- F readinteger4le
- F readintegertable
- F readsignedbyte
- F readstring
- F setposition
- F size
- F skip
- F skipbytes
- F skiplong
- F skipshort
- F tocardinal1
- F tocardinal1le
- F tocardinal2
- F tocardinal2le
- F tocardinal3
- F tocardinal3le
- F tocardinal4
- F tocardinal4le

strings table

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

tables table

- F accesstable

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

tar table

- T archives
- F closearchive
- T files
 - F fetch
 - F hash
 - F list
 - F pack
 - F unpack
- F openarchive
- T registeredfiles
- T streams
 - F fetch
 - F hash
 - F list
 - F pack
 - F unpack
- T strings
 - F fetch
 - F hash
 - F list
 - F pack
 - F unpack

templates table

- F load
- F replace
- F replacer
- F resolve

zipfiles table

- F close
- F found
- F hash
- F list
- F open
- F unzip
- F unzipdir

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 | | |

xcomplex (extra lua)

| | | | |
|-------------------|----------|-----------------|----------|
| I | function | cos | function |
| __add | function | cosh | function |
| __div | function | exp | function |
| __eq | function | i | function |
| __mul | function | imag | function |
| __name | string | log | function |
| __pow | function | new | function |
| __sub | function | pow | function |
| __tostring | function | proj | function |
| __unm | function | real | function |
| abs | function | sin | function |
| acos | function | sinh | function |
| acosh | function | sqrt | function |
| arg | function | tan | function |
| asin | function | tanh | function |
| asinh | function | topair | function |
| atan | function | tostring | function |
| atanh | function | totable | function |
| conj | function | | |

xdecimal (extra lua)

| | | | |
|-------------------|----------|---------------------|----------|
| __add | function | bxor | function |
| __band | function | conj | function |
| __bor | function | copy | function |
| __bxor | function | exp | function |
| __div | function | getprecision | function |
| __eq | function | ln | function |
| __idiv | function | log | function |
| __le | function | max | function |
| __lt | function | min | function |
| __mod | function | minus | function |
| __mul | function | new | function |
| __name | string | plus | function |
| __pow | function | pow | function |
| __shl | function | rotate | function |
| __shr | function | setprecision | function |
| __sub | function | shift | function |
| __tostring | function | sqrt | function |
| __unm | function | toengstring | function |
| abs | function | tonumber | function |
| band | function | tostring | function |
| bor | function | trim | function |

xmath (extra lua)

| | | | |
|-----------------|----------|------------------|----------|
| acos | function | isnormal | function |
| acosh | function | j0 | function |
| asin | function | j1 | function |
| asinh | function | jn | function |
| atan | function | ldexp | function |
| atan2 | function | lgamma | function |
| atanh | function | log | function |
| cbrt | function | log10 | function |
| ceil | function | log1p | function |
| copysign | function | log2 | function |
| cos | function | logb | function |
| cosh | function | modf | function |
| deg | function | nan | number |
| erf | function | nearbyint | function |
| erfc | function | nextafter | function |
| exp | function | pi | number |
| exp2 | function | pow | function |
| expm1 | function | rad | function |
| fabs | function | remainder | function |
| fdim | function | remquo | function |
| floor | function | round | function |
| fma | function | scalbn | function |
| fmax | function | sin | function |
| fmin | function | sinh | function |
| fmod | function | sqrt | function |
| frexp | function | tan | function |
| gamma | function | tanh | function |
| hypot | function | tgamma | function |
| inf | number | trunc | function |
| isfinite | function | y0 | function |
| isinf | function | y1 | function |
| isnan | function | yn | function |

xml (context)

| | | | |
|---------------------------|----------|------------------------|------------|
| addentitiesdoctype | function | F family | |
| addspecialcode | function | F fontspecification | |
| after | function | F mappedstylevalue | |
| all | function | F padding | |
| applylpath | function | F size | |
| applyselector | function | F style | |
| assign | function | F stylevalue | |
| attribute | function | F todimension | |
| badinclusions | function | F variant | |
| before | function | F weight | |
| body | function | defaulthandlers | table |
| builtinentities | table | D file | |
| B amp | | D parsedxml | |
| B apos | | D string | |
| B gt | | D tex | |
| B lt | | D texline | |
| B quot | | D texspace | |
| CDATA | function | D verbose | |
| CDATATOTEXT | function | defaultprotocol | string |
| checkboxom | function | delete | function |
| checkedempty | function | delete_element | function |
| checkerror | function | despecialized | function |
| checknamespace | function | each | function |
| checkns | function | each_element | function |
| cleansed | function | elements | function |
| collect | function | elementtocdata | function |
| collect_elements | function | empty | function |
| collect_tags | function | entities | data table |
| collect_texts | function | erase | function |
| collected | function | errorhandler | function |
| collecttexts | function | escaped | function |
| compactelement | function | expand | function |
| content | function | expressions | table |
| convert | function | F attribute | |
| copy | function | F boolean | |
| count | function | F child | |
| cprint | function | F contains | |
| CSS | table | F count | |
| F applyselector | | F error | |
| F colorspecification | | F find | |
| F dimension | | F hasclass | |

| | | | |
|-------------------|----------|----------------------------|----------|
| F idstring | | F tags | |
| F lower | | F text | |
| F name | | F upper | |
| F number | | F upperall | |
| F oneof | | F url | |
| F print | | F xml | |
| F quit | | T xml | |
| F tag | | F all | |
| F text | | F att | |
| F undefined | | F attribute | |
| F upper | | F attributes | |
| fillin | function | F cdata | |
| filter | function | F chainattribute | |
| finalizers | table | F count | |
| F paragraphs | | F default | |
| T tex | | F elements | |
| F all | | F empty | |
| F attribute | | F first | |
| F chainattribute | | F function | |
| F chainpath | | F index | |
| F collapsed | | F last | |
| F command | | F lowerall | |
| F concat | | F match | |
| F concatrange | | F name | |
| F context | | F position | |
| F count | | F reverse | |
| F ctxtext | | F table | |
| F default | | F tag | |
| F depth | | F tags | |
| F first | | F text | |
| F function | | F texts | |
| F index | | F tomacro | |
| F last | | F upperall | |
| F lettered | | F url | |
| F lower | | first | function |
| F lowerall | | found | function |
| F match | | functions | table |
| F name | | F classes | |
| F param | | F hasclass | |
| F parameter | | getbuffer | function |
| F position | | gethandlers | function |
| F reverse | | gethandlersfunction | function |
| F stripped | | helpers | table |
| F tag | | F recursetext | |

| | | | |
|------------------------------|----------|----------------------------|------------|
| include | function | F tex | |
| inclusion | function | placeholders | table |
| inclusions | function | F unknown_any_entity | |
| index | function | F unknown_dec_entity | |
| inheritattributes | function | F unknown_hex_entity | |
| inheritedconvert | function | popmatch | function |
| inject | function | position | function |
| inject_element | function | privatecodes | data table |
| inject_element_after | function | privatetoken | function |
| inject_element_before | function | process | function |
| injectafter | function | process_attributes | function |
| injectbefore | function | process_elements | function |
| insert | function | processattributes | function |
| insert_element | function | profiled | table |
| insert_element_after | function | pure | function |
| insert_element_before | function | pushmatch | function |
| insertafter | function | raw | function |
| insertbefore | function | registerentity | function |
| insertcdata | function | registerns | function |
| insertcomment | function | reindex | function |
| inspect | function | remap_name | function |
| is_valid | function | remap_namespace | function |
| kind | function | remap_tag | function |
| last | function | remapname | function |
| lastmatch | function | remapnamespace | function |
| load | function | remaptag | function |
| lpath | function | rename | function |
| lpathcached | function | renamespace | function |
| lpathcalls | function | reparsedentitylpeg | userdata |
| lshow | function | replace | function |
| makestandalone | function | replace_element | function |
| match | function | resetinjectors | function |
| mml | table | resolvns | function |
| F stripped | | root | function |
| F verbose | | save | function |
| name | function | selection | function |
| newhandlers | function | separate | function |
| nodesettostring | function | serialize | function |
| originalload | function | serializetotext | function |
| package | function | setcdata | function |
| parent | function | setcomment | function |
| parsedentitylpeg | userdata | sethandlersfunction | function |
| pihandlers | table | setinjectors | function |
| F injector | | setproperty | function |

| | | | |
|---------------------------|------------|----------------------------|----------|
| settings | function | tostring | function |
| specialcodes | data table | totable | function |
| specialhandler | table | toxml | function |
| sprint | function | tprint | function |
| string | function | traverse | function |
| strip | function | unescaped | function |
| strip_whitespace | function | unescapedentitylpeg | userdata |
| stripelement | function | unprivatized | function |
| stripleadingspaces | function | unspecialized | function |
| table | function | wipe | function |
| text | function | withelement | function |
| textonly | function | withelements | function |
| texttocdata | function | wrap | function |
| tocdata | function | xmlns | table |
| toelement | function | | |

xzip (extra lua)

adler32 function

compress function

compresssize function

crc32 function

decompress function

decompresssize function

zip (context)

| | | | |
|---------------------|----------|------------------------|----------|
| archives | table | openarchive | function |
| closearchive | function | registeredfiles | table |

zlib (context)

| | |
|---------------------|----------|
| adler32 | function |
| compress | function |
| compresssize | function |

| | |
|-----------------------|----------|
| crc32 | function |
| decompress | function |
| decompresssize | function |