

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

ConTEXT MkIV

global (alias: _G)

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| MP | table | environment | table |
| _LUAVERSION | number | epdf | table |
| _MAJORVERSION | number | error | function |
| _MINORVERSION | number | experiments | table |
| _cldo_ | function | figures | table |
| arg | table | file | table |
| assert | function | floats | table |
| attributes | table | font | table |
| backends | table | fontloader | table |
| beginpage | function | fonts | table |
| bit | table | format_n | function |
| bit32 | table | frozen | boolean |
| blobs | table | functions | table |
| boolean | table | gcinfo | function |
| border_set | boolean | getfenv | function |
| buffers | table | getmetatable | function |
| builders | table | getpos | function |
| caches | table | getreadfilename | function |
| callback | table | getvpos | function |
| callbacks | table | global | table |
| catcodes | table | graphics | table |
| characters | table | gzip | table |
| chemistry | table | img | table |
| collectgarbage | function | inspect | function |
| commands | table | interactions | table |
| containers | table | interfaces | table |
| context | function | io | table |
| context_applyprocessor | function | ipairs | function |
| context_firstofoneargument | function | jit | table |
| converters | table | job | table |
| coroutine | table | lang | table |
| ctxrunner | table | languages | table |
| debug | table | layouts | table |
| delta | number | lfs | table |
| dimen | function | libraries | table |
| dir | table | lmx | table |
| directives | table | lmxconvert | function |
| document | table | lmxnew | function |
| documentdata | table | load | function |
| dofile | function | loadfile | function |
| endpage | function | loadstring | function |

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| logs | table | publications | table |
| lp_fastpos_n | userdata | rawequal | function |
| lp_fastpos_p | userdata | rawget | function |
| lpdf | table | rawlen | function |
| lpeg | table | rawset | function |
| ltn12 | table | regimes | table |
| lua | table | report_characters | function |
| luatex | table | require | function |
| lxml | table | resolve_fences | function |
| marknocite | function | resolvers | table |
| math | table | scripts | table |
| mathematics | table | select | function |
| mbox | table | set | table |
| md5 | table | setcharacteralign | function |
| metapost | table | setfenv | function |
| mime | table | setinspector | function |
| module | function | setmetatable | function |
| moduledata | table | socket | table |
| modules | table | sorters | table |
| mp | table | statistics | table |
| mplib | table | status | table |
| newline | function | storage | table |
| newproxy | function | streams | table |
| next | function | string | table |
| noads | table | stripmath | function |
| node | table | structures | table |
| nodes | table | swiglib | function |
| number | table | table | table |
| optionalrequire | function | tex | table |
| os | table | texconfig | table |
| outputpagestree | function | texio | table |
| package | table | thirddata | table |
| pagebuilders | table | toboolean | function |
| pairs | function | token | table |
| parametersets | table | tokens | table |
| pattern | table | tonumber | function |
| pcall | function | tostring | function |
| pdf | table | trace_characters | boolean |
| pdfborder | function | tracers | table |
| pdfscanner | table | trackers | table |
| physics | table | type | function |
| print | function | typesetters | table |
| profiler | table | unicode | table |
| protect | function | unpack | function |

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| url | table |
| userdata | table |
| utf | table |
| utf16_to_utf8_be_t | function |
| utf16_to_utf8_le_t | function |
| utf32_to_utf8_be_t | function |
| utf32_to_utf8_le_t | function |
| utilities | table |
| vf | table |
| visualizers | table |
| xml | table |
| xmlconvert | function |
| xpcall | function |
| zip | table |
| zlib | table |

attributes (context)

colorintents table

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

colors table

- N attribute
- F cmyk
- F cmyktogray
- F cmyktorgb
- F colorcomponents
- B couple
- D data
- N default
- F defineintermediatecolor
- F definemixcolor
- F definemultitonecolor
- F defineprocesscolor
- F definesimplegray
- F definespotcolor
- F definetransparency
- F enable
- F filter
- F forcedmodel
- F forcesupport
- F formatcolor
- F formatgray
- F gray
- F graytohsv
- F handler
- F hsvtorgay
- F hsvtorgb
- F iccprofile
- F isblack
- N main
- S model
- D models
- F mpcolor
- F mpnamedcolor

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

define

effects

function

table

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

handlers

list

names

negatives

table

data table

data table

table

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

backends (context)

codeinjections table

F synchronizecolormodel

current string

defaults table

T codeinjections

F gethpos

F getmatrix

F getpos

F getvpos

F hasmatrix

T nodeinjections

T registrations

D tables

install function

nodeinjections table

F restore

F save

F transform

nothing function

pdf table

T codeinjections

F addbookmarks

F attachmentid

F clonefield

F definefield

F definefieldset

F defineviewerlayer

F embedfile

F enabletags

F exportformdata

F getbookmarks

F getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F gethpos

F getmatrix

F getoutputfilename

F getpos

F getpreviewfigure

F getvpos

F hasmatrix

F insertrenderingwindow

F mergebookmarks

F mergereferences

F mergeviewerlayers

F prerollreference

F presetsymbol

F presetsymbollist

F processrendering

F registerdocumentcloseaction

F registerdocumentopenaction

F registeredsymbol

F registerpagecloseaction

F registerpageopenaction

F registersymbol

F setfieldcalculationset

F setfigurealternative

F setfigurecolorspace

F setfiguremask

F setformat

F setformsmethod

F setpagetransition

F setupcanvas

F setupidentity

F setxmpfile

F startlayer

F stoplayer

F supportedformats

F unicodetoactualtext

F useviewerlayer

F validfield

F validfieldcategory

F validfieldset

S comment

T nodeinjections

F addtags

F annotation

F attachfile

F changestackedlayer

F cmykcolor

F comment

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

registrations table

tables table

bit (context)

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|----------------|----------|
| arshift | function |
| band | function |
| bnot | function |
| bor | function |
| bswap | function |
| bxor | function |
| lshift | function |
| rol | function |
| ror | function |
| rshift | function |
| tobit | function |
| tohex | function |

bit32 (basic lua)

| | |
|----------------|----------|
| arshift | function |
| band | function |
| bnot | function |
| bor | function |
| btest | function |
| bxor | function |
| extract | function |
| lrotate | function |
| lshift | function |
| replace | function |
| rrotate | function |
| rshift | function |

blobs (context)

| | |
|--------------------|----------|
| append | function |
| dimensions | function |
| dispose | function |
| new | function |
| pack | function |
| strdp | function |
| strhd | function |
| strht | function |
| strwd | function |
| tohpack | function |
| tohpackfast | function |
| tonodes | function |
| tovpack | function |
| tovpackfast | function |
| write | function |

boolean (context)

tocontext function

tonumber function

buffers (context)

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

builders (context)

kernel table

- F hyphenation
- F kerning
- F ligaturing
- F mlist_to_hlist

paragraphs table

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

vspacing table

- F analyze
- D categories
- F collapsevbox
- T data

- D map
- D skip
- D snapmethods
- F definesnapmethod
- B fixed
- F pagehandler
- F resetprevdepth
- F setmap
- F setskip
- F snapbox
- F tocategories
- F tocategory
- F vboxhandler

caches (context)

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

callback (basic tex)

find function

list function

register overloaded function

callbacks (context)

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

catcodes (context)

| | |
|-----------------|------------|
| names | data table |
| numbers | data table |
| register | function |

characters (context)

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|-----------------------|------------|-----|
| activeoffset | number | S B |
| adobename | function | S C |
| bidirectional | data table | S D |
| blockrange | function | S E |
| blocks | data table | S F |
| casemap | table | S G |
| categories | data table | S H |
| category | function | S I |
| categorytags | data table | S J |
| collapsed | data table | S K |
| combined | data table | S L |
| contextname | function | S M |
| data | data table | S N |
| decomposed | data table | S O |
| define | function | S P |
| description | function | S Q |
| descriptions | data table | S R |
| directions | table | S S |
| encodes | data table | S T |
| entities | data table | S U |
| fallbacks | data table | S V |
| filters | data table | S W |
| fromnumber | function | S X |
| fschars | data table | S Y |
| fscodes | data table | S Z |
| getrange | function | S Å |
| graphemes | data table | S Á |
| hangul | data table | S Â |
| initialize | function | S Ã |
| is_character | data table | S Ä |
| is_command | data table | S Å |
| is_letter | data table | S Æ |
| is_mark | data table | S Ç |
| is_punctuation | data table | S È |
| is_spacing | data table | S É |
| lcchars | data table | S Ê |
| lccode | function | S Ë |
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| linebreaks | table | mirrors | table |
| S ai | | otfscripts | data table |
| S al | | ranges | data table |
| S b2 | | registerentities | function |
| S ba | | remap_hangul_syllabe | function |
| S bb | | setcodes | function |
| S bk | | shape | function |
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| S | shchars | data table |
| S | shcodes | data table |
| S | showstring | function |
| S | specialchars | data table |
| S | specials | data table |
| S | subscripts | table |
| S | superscripts | table |
| S | synonyms | data table |
| S | tex | table |
| S | D accentmapping | |
| S | D commandmapping | |
| S | F defineaccents | |
| S | F safechar | |
| S | F toutf | |
| S | F toutfpattern | |
| S | textclasses | table |
| S | tonumber | function |
| S | ucchars | data table |
| S | uccode | function |
| S | uccodes | data table |
| S | uhash | table |
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| unicodechar | function |
| upper | function |

[previous](#) 53 [next](#)

chemistry (context)

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

commands (context)

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|--------------------------------|----------|----------------------------------|----------|
| Alphabetic | function | assignbuffer | function |
| Character | function | attachproperty | function |
| Characters | function | autofinishstructurelevels | function |
| MPc | function | autonextspace | function |
| MPd | function | autonextstructurelevel | function |
| MPh | function | autosetups | function |
| MPll | function | autostarttext | function |
| MPlr | function | autostoptext | function |
| MPls | function | averagecharwidth | function |
| MPn | function | bcolumn | function |
| MPp | function | boolcase | function |
| MPpardata | function | boxtostring | function |
| MPplus | function | btx_a_f | function |
| MPpos | function | btx_a_i | function |
| MPposset | function | btx_a_j | function |
| MPr | function | btx_a_s | function |
| MPrest | function | btx_a_v | function |
| MPrs | function | btxabbreviatedjournal | function |
| MPul | function | btxaddfield | function |
| MPur | function | btxaddjournal | function |
| MPw | function | btxauthor | function |
| MPx | function | btxauthorfield | function |
| MPxy | function | btxcollectlistentries | function |
| MPxywhd | function | btxdetail | function |
| MPy | function | btxdoif | function |
| Romannumerals | function | btxdoifelse | function |
| abjadnodotnumerals | function | btxdoifelseuservariable | function |
| abjadnumerals | function | btxdoifnot | function |
| addbtxentry | function | btxexpandedjournal | function |
| addcounter | function | btxfetchlistentries | function |
| addlinklistelement | function | btxfield | function |
| addreplacements | function | btxflush | function |
| addtojavascriptpreamble | function | btxflushlistentries | function |
| addtolist | function | btxhandlecite | function |
| allinputpaths | function | btxhandlenocite | function |
| alphabetic | function | btxlistvariant | function |
| analysefloatmethod | function | btxloadjournallist | function |
| analyzelist | function | btxpreparelistentries | function |
| applytochars | function | btxsavejournallist | function |
| applytofirstcharacter | function | btxsingularorplural | function |
| applytowords | function | btxuservariable | function |

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| buildtextaccent | function | definebreakpoints | function |
| character | function | definecatcodetable | function |
| characters | function | definecharacterspacing | function |
| chardescription | function | definechemical | function |
| checkcharactersinfont | function | defineconversion | function |
| checkcountersetup | function | definecounter | function |
| checkedconversion | function | definedviewerlayer | function |
| checkedpagefloat | function | definefallbackfamily | function |
| checktwopassdata | function | definefield | function |
| chemicalcomponent | function | definefieldset | function |
| chineseallnumerals | function | definefilefallback | function |
| chinesecapnumerals | function | definefilesynonym | function |
| chinesenumerals | function | definefont_one | function |
| cleanfontname | function | definefont_two | function |
| cleanupbox | function | definefontfamily | function |
| cleanuplayers | function | definefontfeature | function |
| clonefield | function | definefontsolution | function |
| collectfloat | function | defineinsertion | function |
| collecthelp | function | defineintermediatecolor | function |
| colorcomponents | function | definelabels | function |
| concatcommalist | function | definelanguage | function |
| consultfloat | function | definelinkedlist | function |
| convertbtxdatasettoxml | function | definemarking | function |
| converteddimen | function | definemetafont | function |
| copyposition | function | definemultitonecolor | function |
| cos | function | definenote | function |
| cosd | function | defineparallel | function |
| countervalue | function | defineparbuilder | function |
| counttwopassdata | function | defineprocesscolor | function |
| ctxfunction | function | defineprogram | function |
| currentcomponent | function | definereference | function |
| currentdate | function | defineregister | function |
| currentenvironment | function | definesectionlevels | function |
| currentproduct | function | defineselectfont | function |
| currentproject | function | definesnapmethod | function |
| currentreferencedefault | function | definespotcolor | function |
| currentreferenceorder | function | definestructureblock | function |
| currentregime | function | definestructureset | function |
| currentsectiontolist | function | definetransparency | function |
| datasetvariable | function | definetwopasslist | function |
| dayname | function | defineviewerlayer | function |
| deferredproperty | function | defrostrandomseed | function |
| defineattribute | function | depthnumber | function |
| definebreakpoint | function | digits | function |

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| disableautofontscript | function | doiflisthastitleelse | function |
| disableparbuilder | function | doiflocfileelse | function |
| disableregime | function | doifnot | function |
| disablespellchecking | function | doifnotcounter | function |
| discardfromlist | function | doifnotecontent | function |
| doanalyzeframedbox | function | doifnoteonsamepageasprevious | function |
| doif | function | doifobjectreferencefoundelse | function |
| doifblackelse | function | doifolderversionelse | function |
| doifcommonelse | function | doifoverlappingelse | function |
| doifcounter | function | doifparentfileelse | function |
| doifdimenstringelse | function | doifpathexistelse | function |
| doifdrawingblackelse | function | doifposition | function |
| doifelse | function | doifpositionelse | function |
| doifelsebuffer | function | doifpositiononpage | function |
| doifelsecontinuewithfile | function | doifpositionsonsamepageelse | function |
| doifelsecounter | function | doifpositionsonthispageelse | function |
| doifelsecurrentfonthasfeature | function | doifurldefinedelse | function |
| doifelseintwopassdata | function | doprocесstypescriptfile | function |
| doifelsemarking | function | doreshapeframedbox | function |
| doifelsemessage | function | dostarttextfile | function |
| doifelsemultipar | function | dostoptextfile | function |
| doifelseparallel | function | ecolumn | function |
| doifelsepositionsused | function | elapsedtime | function |
| doifelserangeonpage | function | enableautofontscript | function |
| doifelserreference | function | enablecolor | function |
| doifelsesavedfloat | function | enablecolorintents | function |
| doifelsespaces | function | enablefontcolorschemas | function |
| doifelseutfmathabove | function | enableparbuilder | function |
| doifelseutfmathaccent | function | enableregime | function |
| doifelseutfmathbelow | function | enablespellchecking | function |
| doifelseutfmathfiller | function | enabletransparency | function |
| doifelsevisualizer | function | enhancelinkedlist | function |
| doiffielddcategoryelse | function | enhancelist | function |
| doiffielddelse | function | enhancereference | function |
| doiffielddsetelse | function | enhanceregister | function |
| doiffiledefinedelse | function | erasebuffer | function |
| doiffileexistelse | function | expandcurrentreference | function |
| doiffirstcharelse | function | exportformdata | function |
| doifinputfileelse | function | exportreferences | function |
| doifinsetelse | function | extendregister | function |
| doifleapyearelse | function | extensiblecode | function |
| doiflisthasentry | function | feature | function |
| doiflisthasnumberelse | function | featureattribute | function |
| doiflisthaspageelse | function | featurelist | function |

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| feedback | function | from | function |
| fetchallmarks | function | getbidimode | function |
| fetchmultipar | function | getbuffer | function |
| fetchmultishape | function | getbuffercctlua | function |
| fetchonemark | function | getbuffermkvi | function |
| fetchposboxes | function | getcommandline | function |
| fetchtwomarks | function | getctxfile | function |
| figurefilename | function | getcurrentprefixspec | function |
| figurefilepath | function | getcurrentreferencemetadata | function |
| figurefiletype | function | getcurrentsectionlevel | function |
| figurerequest | function | getdefaultfieldvalue | function |
| figurestatus | function | getelementtag | function |
| figureused | function | getfieldcategory | function |
| figurevariable | function | getfirstcharacter | function |
| filterdefaultreference | function | getfirsttwopassdata | function |
| filterreference | function | getfloatvariable | function |
| finalizebox | function | getfullsectionnumber | function |
| findtwopassdata | function | getinternallistreference | function |
| firstcountervalue | function | getinternalreference | function |
| firstinset | function | getlasttwopassdata | function |
| firstofrange | function | getmarking | function |
| flushfloat | function | getmessage | function |
| flushmarked | function | getmpextensions | function |
| flushnotes | function | getnotestate | function |
| flushpostponedblocks | function | getplaceholderchar | function |
| flushpostponednotes | function | getprivatechar | function |
| fontchar | function | getprogram | function |
| fontcharbyindex | function | getrandomcounta | function |
| fontcollectionclone | function | getrandomcountb | function |
| fontcollectiondefine | function | getrandomseed | function |
| fontcollectionprepare | function | getreadfilename | function |
| fontcollectionregister | function | getsectionnumber | function |
| fontcollectionreport | function | getstructuredata | function |
| fontcollectionreset | function | getsubstring | function |
| fontlookupgetkey | function | gettexbuffer | function |
| fontlookupgetkeyofindex | function | gettwopassdata | function |
| fontlookupinitialize | function | gettwopassdatalist | function |
| fontlookupnoffound | function | geturl | function |
| forceendjob | function | grabbuffer | function |
| forcequitjob | function | hboxtovbox | function |
| format | function | helpaction | function |
| formatcolor | function | helpreference | function |
| formatgray | function | hexstringtonumber | function |
| freezerandomseed | function | horizontalcode | function |

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| hour | function | loadtypescriptfile | function |
| hyphenatedlist | function | loadvisualizer | function |
| hyphenatedurl | function | locatefilepath | function |
| D characters | | locfilename | function |
| N lefthyphenmin | | lower | function |
| D mapping | | makeactive | function |
| N righthyphenmin | | manipulated | function |
| F setcharacters | | markfonts | function |
| immediateproperty | function | markingnumber | function |
| incrementedcounter | function | markingtitle | function |
| initializetexdirectives | function | markregionbox | function |
| initializetextrackers | function | math_frac | function |
| injectcurrentreference | function | mathrenderset | function |
| injectreference | function | maxitemwidth | function |
| inlinechemical | function | minute | function |
| insertattachment | function | mixcleanup | function |
| insertcomment | function | mixfinalize | function |
| insertfield | function | mixflushlist | function |
| insertionnumber | function | mixflushrest | function |
| insertrenderingwindow | function | mixgetsplit | function |
| insertsoundclip | function | mixsetsplit | function |
| installedlanguages | function | mixstate | function |
| installtexdirective | function | molecule | function |
| installtextracker | function | month | function |
| languagenumber | function | monthmnem | function |
| lastcountervalue | function | monthname | function |
| lchexnumber | function | mpcolor | function |
| lchexnumbers | function | mpoptions | function |
| leapyear | function | mprunvar | function |
| linenumbersstageone | function | namedstructureuservariable | function |
| linenumbersstagetwo | function | namedstructurevariable | function |
| listgroupindex | function | nbfs | function |
| listlabel | function | nextcountervalue | function |
| listlocation | function | nextparallel | function |
| listprefixednumber | function | nofdays | function |
| listprefixedpage | function | nofitems | function |
| listrealpage | function | nofstackedfloats | function |
| listsize | function | notedeltapage | function |
| listtitle | function | notelistindex | function |
| listuserdata | function | notenumberpage | function |
| loadbtxdefinitionfile | function | noteprefixednumber | function |
| loadexamodes | function | notesymbolpage | function |
| loadfontgoodies | function | notetitle | function |
| loadspellchecklist | function | ntimes | function |

| number | function | |
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| F C | | F TexSnippetName |
| F FL | | F TexSnippetSpecial |
| F HL | | F XmlSnippet |
| F L | | F XmlSnippetBoundary |
| F LL | | F XmlSnippetCdata |
| F LuaSnippet | | F XmlSnippetComment |
| F LuaSnippetBoundary | | F XmlSnippetEntity |
| F LuaSnippetComment | | F XmlSnippetEqual |
| F LuaSnippetName | | F XmlSnippetKey |
| F LuaSnippetNameBase | | F XmlSnippetName |
| F LuaSnippetNameCore | | F XmlSnippetString |
| F LuaSnippetNameLibraries | | F __flush |
| F LuaSnippetQuote | | F __flushdirect |
| F LuaSnippetSpecial | | F __flushlines |
| F LuaSnippetString | | F a |
| F ML | | F addaskedblankskip |
| F MPLIBsetCtext | | F addpredefinedblankskip |
| F MPLIBsetNtext | | F applyprocessor |
| F MPcolor | | F b |
| F MetapostSnippet | | F beginhbox |
| F MetapostSnippetBoundary | | F beginvbox |
| F MetapostSnippetComment | | F bf |
| F MetapostSnippetConstructor | | F bgroup |
| F MetapostSnippetName | | F blank |
| F MetapostSnippetNameMetafun | | F bold |
| F MetapostSnippetNamePlain | | F btxchecklistcombi |
| F MetapostSnippetNamePrimitive | | F btxchecklistentry |
| F MetapostSnippetQuote | | F btxciteauthorsetup |
| F MetapostSnippetSpecial | | F btxcitesetup |
| F MetapostSnippetString | | F btxcitevariantparameter |
| F NC | | F btxdirectlink |
| F NR | | F btxhandlelistentry |
| F ParsedXmlSnippetCdata | | F btxlistauthorsetup |
| F ParsedXmlSnippetComment | | F btxlistparameter |
| F ParsedXmlSnippetDoctype | | F btxlistsetup |
| F ParsedXmlSnippetElement | | F btxlistvariantparameter |
| F ParsedXmlSnippetInstruction | | F btxmissing |
| F ParsedXmlSnippetKey | | F btxsetauthorindex |
| F ParsedXmlSnippetValue | | F btxsetauthorvariant |
| F TexSnippet | | F btxsetbacklink |
| F TexSnippetBoundary | | F btxsetbacktrace |
| F TexSnippetComment | | F btxsetcategory |
| F TexSnippetGroup | | F btxsetcitereference |
| | | F btxsetcombis |

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|-----------------------|-------------------------------|
| F btxsetconcat | F concat |
| F btxsetcount | F constructcs |
| F btxsetdataset | F constructcsonly |
| F btxsetfirst | F convertnumber |
| F btxsetfirstnames | F ctxreport |
| F btxsetinitials | F d |
| F btxsetinternal | F darkblue |
| F btxsetjuniors | F darkgreen |
| F btxsetlanguage | F darkred |
| F btxsetlefttext | F definefontsynonym |
| F btxsetlistreference | T delayed |
| F btxsetnumber | F digitsdigit |
| F btxsetoverflow | F digitsfinalcomma |
| F btxsetrighttext | F digitsfinalperiod |
| F btxsetsecond | F digitshighspace |
| F btxsetsurnames | F digitsintermediatecomma |
| F btxsettag | F digitsintermediateperiod |
| F btxsetthird | F digitsminus |
| F btxsetvons | F digitsnegative |
| F btxstartauthor | F digitsplus |
| F btxstartcite | F digitspositive |
| F btxstartciteauthor | F digitspower |
| F btxstartsubcite | F digitspowerminus |
| F btxstopauthor | F digitspowerplus |
| F btxstopcite | F digitsseparatorspace |
| F btxstopciteauthor | F digitssignspace |
| F btxstopsubcite | F digitsspace |
| F c | F digitszeropadding |
| F callfunctiononce | F direct |
| F char | F dodisplayverbatimbeginline |
| F chardef | F dodisplayverbatimemptyline |
| F color | F dodisplayverbatiminitialize |
| F colordefagc | F dodisplayverbatimnewline |
| F colordefagt | F dodisplayverbatimstart |
| F colordefalc | F dodisplayverbatimstop |
| F colordefault | F dofastdefinetypeface |
| F colordeffgc | F dofinishsomereference |
| F colordeffgt | F dofromfiledescription |
| F colordefflc | F dofromfileliteral |
| F colordefflt | F dofromurldescription |
| F colordefrgc | F dofromurlliteral |
| F colordefrgt | F doinlineverbatimbeginline |
| F colordefrlc | F doinlineverbatimemptyline |
| F colordefrlt | F doinlineverbatimnewline |

| | |
|-------------------------------|---------------------------|
| F doinlineverbatimstart | F lllap |
| F doinlineverbatimstop | F loadfile |
| F donestedtypingstart | F loadfoundtypescriptfile |
| F donestedtypingstop | F luasetup |
| F dostarttext | F m |
| F doverbatimspace | F makelinenumbers |
| F egroup | T metafun |
| F emptyreference | F color |
| F enablemode | T delayed |
| F endhbox | F start |
| F endvbox | F stop |
| F environment | T nested |
| F expandreferencearguments | F markingcommand |
| F expandreferenceoperation | F markingseparator |
| F finalizeautostructurelevel | F newbox |
| F finishjob | F newcount |
| F firstofoneargument | F newdimen |
| F firstoftwoarguments | F newindexer |
| F fixedblankskip | F newmuskip |
| F flexibleblankskip | F newskip |
| F flushblankhandling | F newtexthandler |
| F flushboxregister | F newtoks |
| F flushnode | F newverbosehandler |
| F fntsetdefname | F nointerlineskip |
| F fntsetnopsizes | F normalatop |
| F fntsetsomenames | F normalover |
| F fntsetsomesizes | F overstrike |
| T formatted | F par |
| F fprint | F pdfliteral |
| T generics | F popcatcodes |
| S starttabulate | F poplogger |
| S stoptabulate | F printlines |
| F getlogger | F processfilemany |
| F getreferencestructureprefix | F processfilenone |
| F getvalue | F processfileonce |
| F glyph | F protect |
| F gobbleoneargument | T puretext |
| F goto | F pushcatcodes |
| F hrule | F pushlogger |
| F input | F registerentry |
| T knownfunctions | F registerfunction |
| F l | F registeronepage |
| F lateluafunction | F registerpagerange |
| F letvaluerelax | F registerseeword |

| | |
|--------------------------|-------------------------|
| F reservefunction | F starttitle |
| F rlap | F startvboxregister |
| F rotate | F startxtitle |
| F runfile | F stopLuaSnippet |
| F secondoftwoarguments | F stopMetapostSnippet |
| F setblankcategory | F stopParsedXmlSnippet |
| F setblankorder | F stopTexSnippet |
| F setblankpenalty | F stopXmlSnippet |
| F setconditional | F stopblankhandling |
| F setfalsevalue | F stopcolumns |
| F sethboxregister | F stopcomponentindeed |
| F setsomevalue | F stopenvironmentindeed |
| F settabulateentry | F stopfontclass |
| F settabulatelastentry | F stophboxregister |
| F settracing | F stopproductindeed |
| F setupsystem | F stopprojectindeed |
| F setupwithargument | F stopreadingfile |
| F setvalue | F stopregisterentries |
| F setvboxregister | F stopregisterentry |
| F setxvalue | F stopregisteroutput |
| F space | F stopregisterpages |
| F sprint | F stopregistersection |
| F startLuaSnippet | F stopregisterseewords |
| F startMetapostSnippet | F stoptabulate |
| F startParsedXmlSnippet | F stoptext |
| F startTexSnippet | F stoptitle |
| F startXmlSnippet | F stopvboxregister |
| F startblankhandling | F stopxtitle |
| F startcolumns | F storenode |
| F startcomponentindeed | F synonymentry |
| F startenvironmentindeed | F tabulaterow |
| F startfontclass | F tabulaterowbold |
| F starthboxregister | F tabulaterowtyp |
| F startproductindeed | F tabulaterowtype |
| F startprojectindeed | F template |
| F startreadingfile | T templates |
| F startregisterentries | F texsetup |
| F startregisterentry | F tobuffer |
| F startregisteroutput | F tocontext |
| F startregisterpages | F tolines |
| F startregistersection | F unitsC |
| F startregisterseewords | F unitsN |
| F starttabulate | F unitsNspace |
| F starttext | F unitsNstart |

| | |
|--------------------------------|----------------------|
| F unitsNstop | F XmlSnippetBoundary |
| F unitsO | F XmlSnippetCdata |
| F unitsP | F XmlSnippetComment |
| F unitsPS | F XmlSnippetEntity |
| F unitsPU | F XmlSnippetEqual |
| F unitsPUS | F XmlSnippetKey |
| F unitsQ | F XmlSnippetName |
| F unitsS | F XmlSnippetString |
| F unitsU | F ctxreport |
| F unitsUS | F viafile |
| F unprotect | F vrule |
| F unregisterfunction | F xmldataaafter |
| F usemodule | F xmldatabefore |
| F utfchar | F xmldataobeyedline |
| T verbatim | F xmldataobeyedspace |
| F LuaSnippetBoundary | F xmlprocessbuffer |
| F LuaSnippetComment | F xmlsetup |
| F LuaSnippetName | |
| F LuaSnippetNameBase | |
| F LuaSnippetNameCore | |
| F LuaSnippetNameLibraries | |
| F LuaSnippetQuote | |
| F LuaSnippetSpecial | |
| F LuaSnippetString | |
| F MetapostSnippetBoundary | |
| F MetapostSnippetComment | |
| F MetapostSnippetConstructor | |
| F MetapostSnippetName | |
| F MetapostSnippetNameMetafun | |
| F MetapostSnippetNamePlain | |
| F MetapostSnippetNamePrimitive | |
| F MetapostSnippetQuote | |
| F MetapostSnippetSpecial | |
| F MetapostSnippetString | |
| F ParsedXmlSnippetCdata | |
| F ParsedXmlSnippetComment | |
| F ParsedXmlSnippetDoctype | |
| F ParsedXmlSnippetElement | |
| F ParsedXmlSnippetInstruction | |
| F TexSnippetBoundary | |
| F TexSnippetComment | |
| F TexSnippetGroup | |
| F TexSnippetName | |
| F TexSnippetSpecial | |

numbers

function

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|------------------------------|
| F C |
| F FL |
| F HL |
| F L |
| F LL |
| F LuaSnippet |
| F LuaSnippetBoundary |
| F LuaSnippetComment |
| F LuaSnippetName |
| F LuaSnippetNameBase |
| F LuaSnippetNameCore |
| F LuaSnippetNameLibraries |
| F LuaSnippetQuote |
| F LuaSnippetSpecial |
| F LuaSnippetString |
| F ML |
| F MPLIBsetCtext |
| F MPLIBsetNtext |
| F MPcolor |
| F MetapostSnippet |
| F MetapostSnippetBoundary |
| F MetapostSnippetComment |
| F MetapostSnippetConstructor |
| F MetapostSnippetName |
| F MetapostSnippetNameMetafun |
| F MetapostSnippetNamePlain |

| | |
|--------------------------------|---------------------------|
| F MetapostSnippetNamePrimitive | F btxciteauthorsetup |
| F MetapostSnippetQuote | F btxcitesetup |
| F MetapostSnippetSpecial | F btxcitevariantparameter |
| F MetapostSnippetString | F btxdirectlink |
| F NC | F btxhandlelistentry |
| F NR | F btxlistauthorsetup |
| F ParsedXmlSnippetCdata | F btxlistparameter |
| F ParsedXmlSnippetComment | F btxlistsetup |
| F ParsedXmlSnippetDoctype | F btxlistvariantparameter |
| F ParsedXmlSnippetElement | F btxmissing |
| F ParsedXmlSnippetInstruction | F btxsetauthorindex |
| F ParsedXmlSnippetKey | F btxsetauthorvariant |
| F ParsedXmlSnippetValue | F btxsetbacklink |
| F TexSnippet | F btxsetbacktrace |
| F TexSnippetBoundary | F btxsetcategory |
| F TexSnippetComment | F btxsetcitereference |
| F TexSnippetGroup | F btxsetcombis |
| F TexSnippetName | F btxsetconcat |
| F TexSnippetSpecial | F btxsetcount |
| F XmlSnippet | F btxsetdataset |
| F XmlSnippetBoundary | F btxsetfirst |
| F XmlSnippetCdata | F btxsetfirstnames |
| F XmlSnippetComment | F btxsetinitials |
| F XmlSnippetEntity | F btxsetinternal |
| F XmlSnippetEqual | F btxsetjuniors |
| F XmlSnippetKey | F btxsetlanguage |
| F XmlSnippetName | F btxsetlefttext |
| F XmlSnippetString | F btxsetlistreference |
| F __flush | F btxsetnumber |
| F __flushdirect | F btxsetoverflow |
| F __flushlines | F btxsetrighttext |
| F a | F btxsetsecond |
| F addaskedblankskip | F btxsetsurnames |
| F addpredefinedblankskip | F btxsettag |
| F applyprocessor | F btxsetthird |
| F b | F btxsetvons |
| F beginhbox | F btxstartauthor |
| F beginvbox | F btxstartcite |
| F bf | F btxstartciteauthor |
| F bgroup | F btxstartsubcite |
| F blank | F btxstopauthor |
| F bold | F btxstopcite |
| F btxchecklistcombi | F btxstopciteauthor |
| F btxchecklistentry | F btxstopsubcite |

| | |
|----------------------------|-------------------------------|
| F c | F digitszeropadding |
| F callfunctiononce | F direct |
| F char | F dodisplayverbatimbeginline |
| F chardef | F dodisplayverbatimemptyline |
| F color | F dodisplayverbatiminitialize |
| F colordefagc | F dodisplayverbatimnewline |
| F colordefagt | F dodisplayverbatimstart |
| F colordefalc | F dodisplayverbatimstop |
| F colordefault | F dofastdefinetypeface |
| F colordeffgc | F dofinishsomereference |
| F colordeffgt | F dofromfiledescription |
| F colordefflc | F dofromfileliteral |
| F colordefflt | F dofromurldescription |
| F colordefrgc | F dofromurlliteral |
| F colordefrgt | F doinlineverbatimbeginline |
| F colordefrlc | F doinlineverbatimemptyline |
| F colordefrlt | F doinlineverbatimnewline |
| F concat | F doinlineverbatimstart |
| F constructcs | F doinlineverbatimstop |
| F constructcsonly | F donestedtypingstart |
| F convertnumber | F donestedtypingstop |
| F ctxreport | F dostarttext |
| F d | F doverbatimspace |
| F darkblue | F egroup |
| F darkgreen | F emptyreference |
| F darkred | F enablemode |
| F definefontsynonym | F endhbox |
| T delayed | F endvbox |
| F digitsdigit | F environment |
| F digitsfinalcomma | F expandreferencearguments |
| F digitsfinalperiod | F expandreferenceoperation |
| F digitshighspace | F finalizeautostructurelevel |
| F digitsintermediatecomma | F finishjob |
| F digitsintermediateperiod | F firstofoneargument |
| F digitsminus | F firstoftwoarguments |
| F digitsnegative | F fixedblankskip |
| F digitsplus | F flexibleblankskip |
| F digitspositive | F flushblankhandling |
| F digitspower | F flushboxregister |
| F digitspowerminus | F flushnode |
| F digitspowerplus | F fntsetdefname |
| F digitsseparatorspace | F fntsetnopsiz |
| F digitssignspace | F fntsetsomenam |
| F digitsspace | F fntsetsomesiz |

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|-------------------------------|-------------------------|
| T formatted | F par |
| F fprint | F pdfliteral |
| T generics | F popcatcodes |
| S starttabulate | F poplogger |
| S stoptabulate | F printlines |
| F getlogger | F processfilemany |
| F getreferencestructureprefix | F processfilenone |
| F getvalue | F processfileonce |
| F glyph | F protect |
| F gobbleoneargument | T puretext |
| F goto | F pushcatcodes |
| F hrule | F pushlogger |
| F input | F registerentry |
| T knownfunctions | F registerfunction |
| F l | F registeronepage |
| F lateluafunction | F registerpagerange |
| F letvaluerelax | F registerseeword |
| F llap | F reservefunction |
| F loadfile | F rlap |
| F loadfoundtypescriptfile | F rotate |
| F luasetup | F runfile |
| F m | F secondoftwoarguments |
| F makelinenumber | F setblankcategory |
| T metafun | F setblankorder |
| F color | F setblankpenalty |
| T delayed | F setconditional |
| F start | F setfalsevalue |
| F stop | F sethboxregister |
| T nested | F setsomevalue |
| F markingcommand | F settabulateentry |
| F markingseparator | F settabulatelastentry |
| F newbox | F settracing |
| F newcount | F setupsystem |
| F newdimen | F setupwithargument |
| F newindexer | F setvalue |
| F newmuskup | F setvboxregister |
| F newskip | F setxvalue |
| F newtexthandler | F space |
| F newtoks | F sprint |
| F newverbosehandler | F startLuaSnippet |
| F nointerlineskip | F startMetapostSnippet |
| F normalatop | F startParsedXmlSnippet |
| F normalover | F startTexSnippet |
| F overstrike | F startXmlSnippet |

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|--------------------------|------------------------------|
| F startblankhandling | F stopxtitle |
| F startcolumns | F storenode |
| F startcomponentindeed | F synonymentry |
| F startenvironmentindeed | F tabulaterow |
| F startfontclass | F tabulaterowbold |
| F starthboxregister | F tabulaterowtyp |
| F startproductindeed | F tabulaterowtype |
| F startprojectindeed | F template |
| F startreadingfile | T templates |
| F startregisterentries | F texsetup |
| F startregisterentry | F tobuffer |
| F startregisteroutput | F tocontext |
| F startregisterpages | F tolines |
| F startregistersection | F unitsC |
| F startregisterseewords | F unitsN |
| F starttabulate | F unitsNspace |
| F starttext | F unitsNstart |
| F starttitle | F unitsNstop |
| F startvboxregister | F unitsO |
| F startxtitle | F unitsP |
| F stopLuaSnippet | F unitsPS |
| F stopMetapostSnippet | F unitsPU |
| F stopParsedXmlSnippet | F unitsPUS |
| F stopTexSnippet | F unitsQ |
| F stopXmlSnippet | F unitsS |
| F stopblankhandling | F unitsU |
| F stopcolumns | F unitsUS |
| F stopcomponentindeed | F unprotect |
| F stopenvironmentindeed | F unregisterfunction |
| F stopfontclass | F usemodule |
| F stophboxregister | F utfchar |
| F stopproductindeed | T verbatim |
| F stopprojectindeed | F LuaSnippetBoundary |
| F stopreadingfile | F LuaSnippetComment |
| F stopregisterentries | F LuaSnippetName |
| F stopregisterentry | F LuaSnippetNameBase |
| F stopregisteroutput | F LuaSnippetNameCore |
| F stopregisterpages | F LuaSnippetNameLibraries |
| F stopregistersection | F LuaSnippetQuote |
| F stopregisterseewords | F LuaSnippetSpecial |
| F stoptabulate | F LuaSnippetString |
| F stoptext | F MetapostSnippetBoundary |
| F stoptitle | F MetapostSnippetComment |
| F stopvboxregister | F MetapostSnippetConstructor |

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|--------------------------------|----------|------------------------|----------|
| F MetapostSnippetName | | pagestaterealapage | function |
| F MetapostSnippetNameMetafun | | parpos | function |
| F MetapostSnippetNamePlain | | pdfrotation | function |
| F MetapostSnippetNamePrimitive | | pdfstartmatrix | function |
| F MetapostSnippetQuote | | pdfstartmirroring | function |
| F MetapostSnippetSpecial | | pdfstartrotation | function |
| F MetapostSnippetString | | pdfstartscaling | function |
| F ParsedXmlSnippetCdata | | pdfstopmatrix | function |
| F ParsedXmlSnippetComment | | pdfstopmirroring | function |
| F ParsedXmlSnippetDoctype | | pdfstoprotation | function |
| F ParsedXmlSnippetElement | | pdfstopscaling | function |
| F ParsedXmlSnippetInstruction | | percentageof | function |
| F TexSnippetBoundary | | pgfxcolorspec | function |
| F TexSnippetComment | | placeparallel | function |
| F TexSnippetGroup | | popfloat | function |
| F TexSnippetName | | popitaliccorrection | function |
| F TexSnippetSpecial | | poplist | function |
| F XmlSnippetBoundary | | popreferenceprefix | function |
| F XmlSnippetCdata | | popregime | function |
| F XmlSnippetComment | | popsectionblock | function |
| F XmlSnippetEntity | | pos | function |
| F XmlSnippetEqual | | posplus | function |
| F XmlSnippetKey | | posstrut | function |
| F XmlSnippetName | | postponenotes | function |
| F XmlSnippetString | | poswhd | function |
| F ctxreport | | posxy | function |
| F viafile | | prefixedconverted | function |
| F vrule | | prepareMPvariable | function |
| F xmldataaafter | | preparedfile | function |
| F xmldatabefore | | presetsymbolist | function |
| F xmldataobeyedline | | presettabulate | function |
| F xmldataobeyedspace | | prevcountervalue | function |
| F xmlprocessbuffer | | processbuffer | function |
| F xmlsetup | | processcolorcomponents | function |
| objectnumber | function | processedfile | function |
| objectpage | function | processedfiles | function |
| octnumber | function | processfile | function |
| octstringtonumber | function | processfilemany | function |
| oneorange | function | processfilenone | function |
| ordinal | function | processfileonce | function |
| overloadbookmark | function | processlist | function |
| page_injections_flush_after | function | processregister | function |
| page_injections_flush_before | function | processsplit | function |
| page_injections_save | function | processsynonyms | function |

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|-----------------------------------|-----------------|---------------------------------|-----------------|
| purefontname | function | resetcounter | function |
| pushfloat | function | resetfontfeature | function |
| pushitaliccorrection | function | resetfontsolution | function |
| pushlist | function | resetmarking | function |
| pushreferenceprefix | function | resetmathattributes | function |
| pushregime | function | resetmathitalics | function |
| pushsectionblock | function | resetnullfont | function |
| rawcharacter | function | resetparallel | function |
| rawcountervalue | function | resetprevdepth | function |
| rawdate | function | resetreference | function |
| referencepagestate | function | resetstructureprocessor | function |
| referencerealpage | function | resettimer | function |
| registerattachment | function | restartcounter | function |
| registerbookmark | function | restorecounter | function |
| registerbuttons | function | restorecurrentattributes | function |
| registercatcodetable | function | restorenote | function |
| registercolor | function | romannumerals | function |
| registercolorintent | function | runbuffer | function |
| registeredviewerlayer | function | safechar | function |
| registerhelp | function | savebuffer | function |
| registeritemgroup | function | savecounter | function |
| registerlanguagefeatures | function | savecurrentattributes | function |
| registerlinenumbering | function | savedlistnumber | function |
| registermaintextcolor | function | savedlistprefixednumber | function |
| registernamespace | function | savedlisttitle | function |
| registerpostponedblock | function | savefloat | function |
| registerrendering | function | savemargindata | function |
| registersection | function | savenote | function |
| registersoundclip | function | saveobject | function |
| registerstructureprocessor | function | savepagedata | function |
| registersynonym | function | saveparallel | function |
| registertransparency | function | savestructureblock | function |
| registerunit | function | savetaggedtwopassdata | function |
| registerusedsynonym | function | save twopassdata | function |
| registeruserdata | function | savevariable | function |
| relatemarking | function | second | function |
| remapentity | function | selectstructureblock | function |
| removemissingcharacters | function | setbreakpoints | function |
| renderingvar | function | setbtxdataset | function |
| replacemissingcharacters | function | setbttxentry | function |
| replacepospxywhd | function | setcharacteralign | function |
| reportstructure | function | setcharactercasing | function |
| resavefloat | function | setcharactercleaning | function |
| resetcharacteralign | function | setcharactercodes | function |

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|---------------------------------|----------|--------------------------------|----------|
| setcharacterkerning | function | setnotesymbolpage | function |
| setcharacterspacing | function | setobject | function |
| setcharacterstripping | function | setopendocumentaction | function |
| setcloseddocumentaction | function | setopenpageaction | function |
| setclosepageaction | function | setowncounter | function |
| setcolormodel | function | setpagestate | function |
| setcounter | function | setpagestaterealpageno | function |
| setdataset | function | setpagetransition | function |
| setdigitsmanipulation | function | setparbuilder | function |
| setdirection | function | setpos | function |
| setdocumentenvironments | function | setrandomseed | function |
| setdocumentfilenames | function | setrealign | function |
| setdocumentmodes | function | setrealspaces | function |
| setdocumentmodules | function | setreferencearguments | function |
| setelementuserproperties | function | setreferenceattribute | function |
| setfigurelookuporder | function | setreferenceoperation | function |
| setfirstline | function | setregistermethod | function |
| setfontfeature | function | setreplacements | function |
| setfontofid | function | setsectionblock | function |
| setfontsolution | function | setsectionentry | function |
| setformat | function | setsectionlevel | function |
| setformsmethod | function | setsectionnumber | function |
| setinitial | function | setstructureblockstate | function |
| setinsertionlocation | function | settagcombination | function |
| setinterfaceconstant | function | settagdescription | function |
| setinterfaceelement | function | settagdescriptionsymbol | function |
| setinterfacemessage | function | settagfigure | function |
| setinterfacemessages | function | settaghighlight | function |
| setinterfacevariable | function | settagitemgroup | function |
| setinternalreference | function | settaglist | function |
| setjobcomment | function | settagproperty | function |
| setlanguageexceptions | function | settagregister | function |
| setlanguagesynonym | function | settagsorting | function |
| setlayer | function | settagsynonym | function |
| setmarking | function | settagtablecell | function |
| setmathalphabet | function | settagtabulatecell | function |
| setmathalternate | function | setupbookmarks | function |
| setmathattribute | function | setupcanvas | function |
| setmathdirection | function | setupcharacterspacing | function |
| setmathitalics | function | setupexport | function |
| setmathstyle | function | setupfontexpansion | function |
| setnextinternalreference | function | setupfontprotrusion | function |
| setnextreferenceorder | function | setupidentity | function |
| setnotestate | function | setupinsertion | function |

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|-----------------------------------|----------|----------------------------------|----------|
| setupitaliccorrection | function | stopproject | function |
| setuplinenumbering | function | stopregime | function |
| setvisual | function | stopsectionlevel | function |
| setxmpfile | function | stoptag | function |
| showassignerror | function | stoptext | function |
| showattributes | function | stopviewerlayer | function |
| showbtxdatasetcompleteness | function | storejavascriptcode | function |
| showbtxdatasetfields | function | storejavascriptpreamble | function |
| showbtxfields | function | storenote | function |
| showcallbacks | function | storeregister | function |
| showchardata | function | strdp | function |
| showcounter | function | strhd | function |
| showfontparameters | function | strht | function |
| showhyphenatedinlist | function | strip | function |
| showjustification | function | structureautocatcodedget | function |
| showmessage | function | structurecatcodedget | function |
| sin | function | structuregivencatcodedget | function |
| sind | function | structurenumber | function |
| splitfilename | function | structuretitle | function |
| spotcolorname | function | structureuservariable | function |
| spotcolorparent | function | structurevariable | function |
| spotcolorvalue | function | strwd | function |
| startactualtext | function | subcountervalues | function |
| startchemical | function | synchronizecolormodel | function |
| startcolorset | function | synchronizemarking | function |
| startcomponent | function | synonymmeaning | function |
| startenvironment | function | synonymname | function |
| startfontsolution | function | systemlog | function |
| startparbuilder | function | taggedmathfunction | function |
| startproduct | function | tan | function |
| startproject | function | tand | function |
| startregime | function | testcase | function |
| startsectionlevel | function | textime | function |
| starttag | function | thefirstcharacter | function |
| starttext | function | theremainingcharacters | function |
| startviewerlayer | function | thetexdefinition | function |
| stopactualtext | function | tochar | function |
| stopchemical | function | transparencycomponents | function |
| stopcolorset | function | triggereffect | function |
| stopcomponent | function | triggernegative | function |
| stopenvironment | function | truefilename | function |
| stopfontsolution | function | typebuffer | function |
| stopparbuilder | function | typefile | function |
| stopproduct | function | typestring | function |

| | | | |
|------------------------------|----------|-----------------------------------|----------|
| uchexnumber | function | vspacingsetamount | function |
| uchexnumbers | function | vspacingsnap | function |
| undefinechemical | function | way | function |
| unicodechar | function | weekday | function |
| unit | function | weekdayname | function |
| unloadlanguage | function | writestatus | function |
| upper | function | x_table_c | function |
| useMPLibrary | function | x_table_cleanup | function |
| useanyfile | function | x_table_construct | function |
| usebtxdataset | function | x_table_create | function |
| usecldfile | function | x_table_flush | function |
| usecolors | function | x_table_init_construct | function |
| usecomponent | function | x_table_init_reflow_height | function |
| useenvironment | function | x_table_init_reflow_width | function |
| usefile | function | x_table_next_row | function |
| usejavascriptpreamble | function | x_table_r | function |
| usejavascriptscripts | function | x_table_reflow_height | function |
| uselibrary | function | x_table_reflow_width | function |
| useluafile | function | x_table_set_construct | function |
| uselua module | function | x_table_set_reflow_height | function |
| usemodules | function | x_table_set_reflow_width | function |
| usepath | function | year | function |
| useproduct | function | | |
| useproject | function | | |
| usesubpath | function | | |
| usesymbols | function | | |
| usetexfile | function | | |
| useurl | function | | |
| usexmlfile | function | | |
| usezipfile | function | | |
| utfchar | function | | |
| utfmathclass | function | | |
| utfmathcommand | function | | |
| utfmathcommandabove | function | | |
| utfmathcommandbelow | function | | |
| utfmathcommandfiller | function | | |
| utfmathfiller | function | | |
| utfmathstretch | function | | |
| vboxlisttohbox | function | | |
| verbose | function | | |
| visual | function | | |
| vspacing | function | | |
| vspacingcollapse | function | | |
| vspacingdefine | 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 | octstringtonumber | function |
| AK | function | ordinal | function |
| Alphabetic | function | r | function |
| Character | function | rawcharacter | function |
| Characters | function | romannumerals | function |
| I | function | second | function |
| KA | function | sequences | data table |
| KR | function | textime | function |
| R | function | toabjad | function |
| RK | function | tochinese | function |
| Romannumerals | function | toroman | function |
| Word | function | upper | function |
| Words | function | verbose | table |
| a | function | D data | |
| abjadnodotnumerals | function | F translate | |
| abjadnumerals | function | weekday | function |
| alphabetic | function | word | function |
| character | function | words | function |
| characters | function | year | function |
| chineseallnumerals | function | | |
| chineseapnumerals | function | | |
| chinesenumerals | function | | |
| chr | function | | |
| chrs | function | | |
| cn | function | | |
| cn-a | function | | |
| cn-c | function | | |
| convert | function | | |
| define | function | | |
| hexstringtonumber | function | | |
| hour | function | | |
| i | function | | |
| isleapyear | function | | |
| leapyear | function | | |
| lower | function | | |
| maxchrs | function | | |
| minute | function | | |
| month | function | | |
| nofdays | function | | |
| number | function | | |
| numbers | function | | |

coroutine (basic lua)

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

ctxrunner (context)

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

debug (basic lua)

| | |
|---------------------|----------|
| debug | function |
| getfenv | function |
| gethook | function |
| getinfo | function |
| getlocal | function |
| getmetatable | function |
| getregistry | function |
| getupvalue | function |
| getuservalue | function |
| setfenv | function |
| sethook | function |
| setlocal | function |
| setmetatable | function |
| setupvalue | function |
| setuservalue | function |
| traceback | function |
| upvalueid | function |
| upvaluejoin | function |

dir (context)

| | |
|-----------------------|----------|
| collectpattern | function |
| current | function |
| expandname | function |
| found | function |
| glob | function |
| globfiles | function |
| globpattern | function |
| ls | function |
| makedirs | function |
| mkdirs | function |
| pop | function |
| push | function |

directives (context)

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

document (context)

| | |
|---------------------------|------------|
| arguments | data table |
| files | table |
| getargument | function |
| getfilename | function |
| options | table |
| T cmdline | |
| D environments | |
| D modes | |
| D modules | |
| T ctxfile | |
| D environments | |
| D modes | |
| D modules | |
| setargument | function |
| setdefaultargument | function |
| setfilename | function |
| variables | data table |

environment (context)

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

epdf (extra tex)

| | |
|---------------------|----------|
| Array | function |
| Dict | function |
| Object | function |
| PDFRectangle | function |
| open | function |
| type | function |

experiments (context)

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

figures (context)

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

file (basic lua)

| | |
|--------------------------|----------|
| addsuffix | function |
| basename | function |
| checksum | function |
| collapsepath | function |
| copy | function |
| dirname | function |
| expandname | function |
| extname | function |
| is_qualified_path | function |
| is_readable | function |
| is_rootbased_path | function |
| is_writable | function |
| isreadable | function |
| iswritable | function |
| join | function |
| joinpath | function |
| loadchecksum | function |
| nameonly | function |
| nametotable | function |
| needs Updating | function |
| needsupdating | function |
| pathpart | function |
| readdata | function |
| removesuffix | function |
| replacesuffix | function |
| reslash | function |
| robustname | function |
| savechecksum | function |
| savedata | function |
| size | function |
| splitbase | function |
| splitname | function |
| splitpath | function |
| strip | function |
| suffix | function |
| suffixes | function |
| suffixesonly | function |
| suffixonly | function |
| syncmtimes | function |

floats (context)

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

font (basic tex)

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

fontloader (extra tex)

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

fonts (context)

| | | | |
|--------------------|-------|---------------------------|-----------|
| analyzers | table | | F report |
| T features | | | F reset |
| N blwf | | | T vectors |
| N fina | | constructors | table |
| N half | | F addcoreunicodes | |
| N init | | F aftercopyingcharacters | |
| N isol | | F applymanipulators | |
| N medi | | F assignmathparameters | |
| N pref | | B autocleanup | |
| N pstf | | F beforecopyingcharacters | |
| N rphf | | D cache | |
| D initializers | | F calculatyscale | |
| D methods | | F checkedfeatures | |
| F setstate | | F checkedfilename | |
| T states | | F checkvirtualids | |
| N blwf | | F cleanupable | |
| N fina | | F collectprocessors | |
| N half | | D designsizes | |
| N init | | D dontembed | |
| N isol | | F enhanceparameters | |
| N mark | | N factor | |
| N medi | | F finalize | |
| N pref | | F getfeatureaction | |
| N pstf | | F hashfeatures | |
| N rest | | F hashinstance | |
| N rphf | | T hashmethods | |
| B useunicodemarks | | F normal | |
| checkers | table | F virtual | |
| F getmissing | | F initializefeatures | |
| F missing | | T keys | |
| cid | table | T character | |
| F getmap | | S depth | |
| F loadfile | | S height | |
| collections | table | S italic | |
| F checkenabled | | S width | |
| F clonevector | | T description | |
| F define | | T boundingbox | |
| T definitions | | S depth | |
| F prepare | | S height | |
| F process | | S width | |
| F registermain | | T parameters | |

| | |
|--------------------------|---------------------------|
| S ascender | S embedding |
| S descender | S encodingbytes |
| S designsize | S filename |
| T expansion | S finalized |
| S auto | S fontname |
| S shrink | S format |
| S step | S fullname |
| S stretch | S hasitalics |
| S extendfactor | S hasmath |
| S factor | S mathitalics |
| S hfactor | S mode |
| S mathsize | S name |
| T protrusion | S noglyphnames |
| S auto | S nostackmath |
| S quad | S psname |
| S scaledpoints | S textitalics |
| S scriptpercentage | S virtualized |
| S scriptscriptpercentage | D loadedfonts |
| S size | S namemode |
| S slantfactor | F newfeatures |
| S slantperpoint | F newhandler |
| T spacing | N noffontsloaded |
| S extra | N nofsharedfonts |
| S shrink | N nofsharedhashes |
| S stretch | N nofsharedvectors |
| S width | N privateoffset |
| T synonyms | F readanddefine |
| S em | F registerfeature |
| S ex | B resolvevirtualtoo |
| S extra_space | F scale |
| S extraspace | F scaled |
| S slant | F setfactor |
| S space | F setname |
| S space_shrink | B sharefonts |
| S space_stretch | F trytosharefont |
| S spaceshrink | N version |
| S spacestretch | current function |
| S x_height | currentid function |
| S units | definers table |
| S vfactor | F addlookup |
| S xheight | F analyze |
| T properties | F applypostprocessors |
| S autoitalicamount | F checkedmode |
| T cidinfo | F checkedscript |

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

| | |
|-----------------------------|--------------------------|
| N Zecyrillic | N daletqamatshebrew |
| N Zhecyrillic | N daletqubuts |
| N acutecmb | N daletqubutshebrew |
| N acyrillic | N daletsegol |
| N afii00208 | N daletsegolhebrew |
| N afii08941 | N daletsheva |
| N afii57694 | N daletshevahebrew |
| N afii57695 | N dalettsera |
| N afii57700 | N dammaarabic |
| N afii57705 | N dammatanaltonearabic |
| N afii57723 | N dargahebrew |
| N alef | N dbllowline |
| N alefmaksurainitialarabic | N decimalseparatorarabic |
| N alefmaksuramedialarabic | N dialytikatonos |
| N approximatelyequal | N dotbelowcmb |
| N asteriskaltonearabic | N doubleyodpatah |
| N ayin | N doubleyodpatahhebrew |
| N bet | N edot |
| N betdagesh | N eightarabic |
| N blackdownpointingtriangle | N eighthnotebeamed |
| N blackleftpointingpointer | N etnahtafoukhhebrew |
| N blackrectangle | N etnahtafoukhlefthebrew |
| N blackrightpointingpointer | N etnahtahebrew |
| N blacksmilingface | N fathaarabic |
| N blacksquare | N finalkaf |
| N blackuppointingtriangle | N finalkafdagesh |
| N bulletinverse | N finalkafhebrew |
| N cdot | N finalkafqamats |
| N compass | N finalkafqamatshebrew |
| N dagesh | N finalkafsheva |
| N dalet | N finalmem |
| N daletdagesh | N finalnun |
| N dalethatafpatah | N finalpe |
| N dalethatafpatahhebrew | N finaltsadi |
| N dalethatafsegol | N fivearabic |
| N dalethatafsegolhebrew | N forall |
| N dalethebrew | N fourarabic |
| N dalethiriq | N gcedilla |
| N dalethiriqhebrew | N gdot |
| N daletholam | N gimel |
| N daletholamhebrew | N gimeldagesh |
| N daletpatah | N gravecmb |
| N daletpatahhebrew | N haaltonearabic |
| N daletqamats | N hamzaarabic |

| | |
|----------------------------|----------------------------------|
| N hamzadammaarabic | N holamnarrowhebrew |
| N hamzadammatanarabic | N holamquarterhebrew |
| N hamzafathaarabic | N ilde |
| N hamzafathatanarabic | N integralbottom |
| N hamzalowarabic | N integraltop |
| N hamzalowkasraarabic | N kaf |
| N hamzalowkasratanarabic | N kafdagesh |
| N hatafpatah | N kashidaautoarabic |
| N hatafpatah16 | N kashidaautonosidebearingarabic |
| N hatafpatah23 | N kcedilla |
| N hatafpatah2f | N lamed |
| N hatafpatahhebrew | N lameddagesh |
| N hatafpatahnarrowhebrew | N lamedhebrew |
| N hatafpatahquarterhebrew | N lamedholam |
| N hatafqamats | N lamedholamdagesh |
| N hatafqamats1b | N lamedholamdageshhebrew |
| N hatafqamats28 | N laminitialarabic |
| N hatafqamats34 | N lammeemjeeminitialarabic |
| N hatafqamatshebrew | N lcedilla |
| N hatafqamatsnarrowhebrew | N logicalnotreversed |
| N hatafqamatsquarterhebrew | N mahapakhhebrew |
| N hatafsegol | N mem |
| N hatafsegol17 | N memdagesh |
| N hatafsegol24 | N merkhahebrew |
| N hatafsegol30 | N merkhakefulahebrew |
| N hatafsegolhebrew | N middot |
| N hatafsegolnarrowhebrew | N munahhebrew |
| N hatafsegolquarterhebrew | N nbspace |
| N he | N ncedilla |
| N hedagesh | N newsheqelsign |
| N hehfinalalttwoarabic | N ninearabic |
| N het | N noonhehinitialarabic |
| N hiriq | N nun |
| N hiriq14 | N nundagesh |
| N hiriq21 | N odblacute |
| N hiriq2d | N onearabic |
| N hiriqhebrew | N overscore |
| N hiriqnarrowhebrew | N patah |
| N hiriqqarterhebrew | N patah11 |
| N holam | N patah1d |
| N holam19 | N patah2a |
| N holam26 | N patahhebrew |
| N holam32 | N patahnarrowhebrew |
| N holamhebrew | N patahquarterhebrew |

| | |
|----------------------------|------------------------|
| N pe | N qubutsnarrowhebrew |
| N pedagesh | N qubutsquarterhebrew |
| N qamats | N quotelleftreversed |
| N qamats10 | N rafe |
| N qamats1a | N rcedilla |
| N qamats1c | N reharabic |
| N qamats27 | N resh |
| N qamats29 | N reshhatafpatah |
| N qamats33 | N reshhatafpatahhebrew |
| N qamatsde | N reshhatafsegol |
| N qamatshebrew | N reshhatafsegolhebrew |
| N qamatsnarrowhebrew | N reshhebrew |
| N qamatsqatanhebrew | N reshhiriq |
| N qamatsqatannarrowhebrew | N reshhiriqhebrew |
| N qamatsqatanquarterhebrew | N reshholam |
| N qamatsqatanwidehebrew | N reshholamhebrew |
| N qamatsquarterhebrew | N reshpatah |
| N qof | N reshpatahhebrew |
| N qofdagesh | N reshqamats |
| N qofhatafpatah | N reshqamatshebrew |
| N qofhatafpatahhebrew | N reshqubuts |
| N qofhatafsegol | N reshqubutshebrew |
| N qofhatafsegolhebrew | N reshsegol |
| N qofhebrew | N reshsegolhebrew |
| N qofhiriq | N reshsheva |
| N qofhiriqhebrew | N reshshevahebrew |
| N qofholam | N reshtsere |
| N qofholamhebrew | N reviahebrew |
| N qofpatah | N samekh |
| N qofpatahhebrew | N samekhdagesh |
| N qofqamats | N segol |
| N qofqamatshebrew | N segol13 |
| N qofqubuts | N segol1f |
| N qofqubutshebrew | N segol2c |
| N qofsegol | N segolhebrew |
| N qofsegolhebrew | N segolnarrowhebrew |
| N qofsheva | N segolquarterhebrew |
| N qofshevahebrew | N sevenarabic |
| N qoftsere | N sfthyphen |
| N qubuts | N shaddaarabic |
| N qubuts18 | N sheqel |
| N qubuts25 | N sheva |
| N qubuts31 | N sheva115 |
| N qubutshebrew | N sheva15 |

| | |
|----------------------------|------------------------------|
| N sheva22 | N zayindagesh |
| N sheva2e | N zdot |
| N shevahebrew | N zeroarabic |
| N shevanarrowhebrew | D unicodes |
| N shevaquarterhebrew | D cache |
| N shin | F is_known |
| N shindagesh | D known |
| N shindageshshindot | F load |
| N shindageshsindot | F make_unicode_vector |
| N shinshindot | D math |
| N shinsindot | N version |
| N siluqhebrew | expansions data table |
| N sixarabic | formats data table |
| N tav | goodies table |
| N tavgages | D colorschemes |
| N tavgagesh | D data |
| N tcedilla | D designsizes |
| N tchehinitialarabic | D filenames |
| N tet | F getcompositions |
| N tetdagesh | T list |
| N tevirhebrew | F compositions |
| N thousandsseparatorarabic | F designsizes |
| N threearabic | F expansions |
| N tildecmb | F featureset |
| N tipehahebrew | F filenames |
| N tsadi | F files |
| N tsadidagesh | F mathematics |
| N tsere | F protrusions |
| N tsere12 | F solutions |
| N tsere1e | F treatments |
| N tsere2b | F typefaces |
| N tserehebrew | F load |
| N tserenarrowhebrew | F prepare_features |
| N tserequarterhebrew | F register |
| N twoarabic | F registerpostprocessor |
| N udblacute | F report |
| N vav | handlers table |
| N vavgagesh | T afm |
| N vavgagesh65 | B addkerns |
| N vavholam | B addligatures |
| N yerahbenyomohebrew | B addtexligatures |
| N yod | B autoprefixed |
| N yoddagesh | D cache |
| N zayin | D features |

| | |
|---|----------------------------|
| T helpdata | F gsub_reversecontextchain |
| D bothkerned | F gsub_single |
| D leftkerned | F load |
| D ligatures | F scriptandlanguage |
| D rightkerned | F setcontextchain |
| D texligatures | F setdynamics |
| F load | F setfeatures |
| F setfeatures | T statistics |
| B syncspace | D usedfeatures |
| N version | T tables |
| T otf | D baselines |
| F addfeature | D features |
| D cache | D languages |
| T chainhandlers | D scripts |
| F normal | N version |
| F verbose | T pfb |
| F collectlookups | T tfm |
| F dataset | D features |
| S defaultbasealternate | F setfeatures |
| S defaultnodealternate | T vf |
| D enhancers | T combinations |
| D features | F combine |
| F fileformat | T combiner |
| F getalternate | D commands |
| T glists | F find |
| T handlers | D helpers |
| F contextchain | D math |
| F devanagari_remove_joiners | D predefined |
| F devanagari_reorder_matras | D whatever |
| F devanagari_reorder_pre_base_reordering_consonants | hashes |
| F devanagari_reorder_reph | table |
| F gpos_context | D characters |
| F gpos_contextchain | D csnames |
| F gpos_cursive | D descriptions |
| F gpos_mark2base | D dynamics |
| F gpos_mark2ligature | D emwidths |
| F gpos_mark2mark | D exheights |
| F gpos_pair | D extensibles |
| F gpos_single | D features |
| F gsub_alternate | D identifiers |
| F gsub_context | D italics |
| F gsub_contextchain | D lastmathids |
| F gsub_ligature | D marks |
| F gsub_multiple | D originals |
| | D parameters |

T processes
 D properties
 D quads
 D resources
 T setdynamics
 D spaces
 D spacings
 D unicodes
 D xheights
helpers table

F addprivate
 F dimenfactor
 F expandglyph
 F fontpatternhassize
 F getdigitwidth
 F getparameters
 F getprivatenode
 F hasprivate
 F indextoslot
 F name
 F nametoslot
 F setdigitwidth
 F splitfontpattern
 F tochar

iterators table

F characters
 F descriptions
 F glyphs

loggers table

F add_placeholders
 T category_to_placeholder
 S ll
 S lm
 S lo
 S lt
 S lu
 S mc
 S me
 S mn
 S nd
 S nl
 S no
 S pc
 S pd

S pe
 S pf
 S pi
 S po
 S ps
 S sc
 S sk
 S sm
 S so
 F format
 F onetimemessage
 F register
 F reportdefinedfonts
 F reportusedfeatures
mappings table

F addtounicode
 F fromunicode16
 F loadfile
 F loadline
 F loadlumtable
 F makenameparser
 T overloads
 T IJ
 N mess
 S name
 T unicode
 T I_J
 N mess
 S name
 T unicode
 T f_f
 N mess
 S name
 T unicode
 T f_f_i
 N mess
 S name
 T unicode
 T f_f_l
 N mess
 S name
 T unicode
 T f_i
 N mess

S name
 T unicode
 T f_j
 S name
 T unicode
 T f_k
 S name
 T unicode
 T f_l
 N mess
 S name
 T unicode
 T ff
 N mess
 S name
 T unicode
 T ffi
 N mess
 S name
 T unicode
 T ffl
 N mess
 S name
 T unicode
 T fi
 N mess
 S name
 T unicode
 T fj
 S name
 T unicode
 T fk
 S name
 T unicode
 T fl
 N mess
 S name
 T unicode
 T i_j
 N mess
 S name
 T unicode
 T ij
 N mess

S name
 T unicode
 F reset
 F tounicode
 F tounicode16
 F tounicode16sequence
mp table
 D cache
 B inline
 N version
names data table
nulldata data table
protrusions data table
readers table
 F afm
 F check_lua
 F check_tfm
 F dfont
 F lua
 F opentype
 F otf
 F pfb
 D sequence
 F tfm
 F ttc
 F ttf
select table
 T data
 F definetypeface
 T fallbacks
 F filterinput
 T methods
 F default
 F features
 F file
 F goodies
 F name
 F selectfont
 F simplefonts
 F spec
 F style
 F registerfallback
 F searchfiles
specifiers table

- D contextmerged
- F contextnumber
- D contextnumbers
- D contextsetups
- F contexttostring
- F definecontext
- F mergecontext
- F presetcontext
- F registercontext
- F showcontext
- F splitcontext
- D synonyms
- D variants

symbols table

- F uselibrary

tables table

tracers table

treatments table

- F applyfixes

- D data

- S filename

- F ignoredfile

- F report

- F trace

typefaces data table

functions (context)

dummy function

graphics (context)

backgrounds table

F calculatemultipar

F fetchmultipar

F pair

F path

F point

gzip (extra lua)

| | |
|---------------|----------|
| close | function |
| lines | function |
| load | function |
| open | function |
| save | function |
| suffix | function |

img (basic tex)

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

interactions (context)

attachments data table

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F setupidentity

help table

F collect

F reference

F register

javascripts table

F addtopreamble

F code

D codes

F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedlists data table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocument

F setclosepage

F setopendocument

F setopenpage

renderings data table

soundclips data table

interfaces (context)

| | |
|-----------------------------|------------|
| addvalidkeys | function |
| cachedsetups | data table |
| cachesetup | function |
| checkedspecification | function |
| complete | data table |
| constants | data table |
| corenamespaces | data table |
| definecommand | function |
| doifelsemessage | function |
| elements | data table |
| formats | data table |
| getcheckedparameters | function |
| getmessage | function |
| hashedsetups | data table |
| interfacedcommand | function |
| interfaces | table |
| invalidkey | function |
| is_command | function |
| namespaces | table |
| F define | |
| F list | |
| registernamespace | function |
| setconstant | function |
| setelement | function |
| setformat | function |
| setmessage | function |
| setmessages | function |
| settranslation | function |
| setuserinterface | function |
| setvalidkeys | function |
| setvariable | function |
| showmessage | function |
| syntax | data table |
| tolist | function |
| translations | data table |
| variables | data table |

io (basic lua)

| | |
|----------------------|---------------------|
| ask | function |
| bytes | function |
| characters | function |
| close | function |
| exists | function |
| fileseparator | string |
| flush | function |
| i_limiter | function |
| i_limiters | table |
| T paranoid | |
| input | function |
| limiter | function |
| lines | function |
| loadchunk | function |
| loaddata | function |
| loadlines | function |
| noflines | function |
| o_limiter | function |
| o_limiters | table |
| T paranoid | |
| open | overloaded function |
| output | function |
| pathseparator | string |
| popen | overloaded function |
| read | function |
| readall | function |
| readnumber | function |
| readstring | function |
| savadata | function |
| size | function |
| stderr | userdata |
| stdin | userdata |
| stdout | userdata |
| tmpfile | function |
| type | function |
| write | function |

jit (context)

| | |
|---------------|----------|
| arch | string |
| attach | function |
| flush | function |
| off | function |
| on | function |
| opt | table |
| F start | |
| os | string |
| status | function |
| util | table |

| |
|-----------------|
| F funcbc |
| F funcinfo |
| F funcck |
| F funcuvname |
| F ircalladdr |
| F traceexitstub |
| F traceinfo |
| F traceir |
| F tracek |
| F tracemc |
| F tracesnap |

| | |
|--------------------|--------|
| version | string |
| version_num | number |

job (context)

comment function

datasets table

D collected

F extend

F getdata

F setdata

D tobesaved

disablesave function

files table

D collected

F context

B forcerun

F run

D tobesaved

initialize function

load function

loadother function

objects table

D collected

F get

F number

F page

F save

F set

D tobesaved

pack boolean

packversion number

pagestates table

D collected

F extend

F realpage

F setstate

D tobesaved

passes table

F check

D collected

F count

F define

F find

F first

F get

F getcollected

F getdata

F getfield

F gettobesaved

F inlist

F last

F list

F save

F savetagged

D tobesaved

positions table

F b_col

F b_region

F c

D collected

F column

F copy

F depth

F e_col

F e_region

F enhance

F extra

F get

F getreserved

F hangafter

F hangindent

F height

F hsize

F leftskip

F lowerleft

F lowerright

F markregionbox

F n

F onsamepage

F overlapping

F p

F page

F paragraph

F parindent

F position

F r

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

lang (basic tex)

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

languages (context)

| | | | |
|-----------------------|------------|--------------|-------|
| associate | function | words | table |
| associated | data table | F check | |
| association | function | T data | |
| counters | data table | F disable | |
| current | function | F enable | |
| data | data table | T enablers | |
| define | function | B enables | |
| frequencies | table | F found | |
| F averagecharwidth | | F load | |
| F getdata | | T methods | |
| getdata | function | N threshold | |
| getnumber | function | | |
| hyphenate | function | | |
| hyphenators | table | | |
| T traditional | | | |
| F hyphenate | | | |
| F injecthyphens | | | |
| F loadpatterns | | | |
| F registerpattern | | | |
| installed | function | | |
| labels | table | | |
| F define | | | |
| F split | | | |
| lefthyphenmin | function | | |
| loadable | function | | |
| loadwords | function | | |
| logger | table | | |
| F report | | | |
| numbers | data table | | |
| posthyphenchar | function | | |
| prehyphenchar | function | | |
| registered | data table | | |
| replacements | table | | |
| F add | | | |
| F handler | | | |
| F set | | | |
| righthyphenmin | function | | |
| setexceptions | function | | |
| setsynonym | function | | |
| unload | function | | |
| version | number | | |

layouts (context)

status table

F isleftpage

F leftorrightpagection

lfs (extra lua)

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

libraries (context)

| | |
|------------------|------------|
| basiclua | data table |
| basictex | data table |
| builtin | data table |
| extralua | data table |
| extratex | data table |
| functions | data table |
| globals | data table |

lmx (context)

color function
convert function
convertfile function
convertstring function
einject function
eprint function
escape function
finalized function
finject function
fprint function
get function
getvariables function
htmfile function
html table

F a

F td

F th

include function
inherited table

S color-background-four

S color-background-one

S color-background-three

S color-background-two

S title

initialize function
inject function
lmxfile function
loadedfile function
new function
overloaderror function
popupfile function
print function
pv function
report function
reset function
result function
set function
show function
showdebuginfo function
showerror function
stripcss function

tv function
type function
urlescape function
variable function
variables table

S color-background-blue

S color-background-body

S color-background-green

S color-background-main

S color-background-purple

S color-background-yellow

S title-default

logs (context)

| | |
|------------------------|----------|
| application | function |
| categories | function |
| direct | function |
| disable | function |
| enable | function |
| exporters | table |
| extendbanner | function |
| flush | function |
| help | function |
| messenger | function |
| new | function |
| newline | function |
| poptarget | function |
| pushtarget | function |
| report | function |
| reportbanner | function |
| reporter | function |
| reporters | table |
| F banner | |
| F export | |
| F help | |
| F info | |
| F lines | |
| F version | |
| reportline | function |
| reportlines | function |
| setformats | function |
| setformatters | function |
| setlogfile | function |
| setmessenger | function |
| setprocessor | function |
| setprogram | function |
| settarget | function |
| settimedlog | function |
| settranslations | function |
| show | function |
| show_close | function |
| show_load | function |
| show_open | function |
| simple | function |
| simpleline | function |

| | |
|--------------------------|----------|
| simplelines | function |
| start_page_number | function |
| status | function |
| stop_page_number | function |
| subdirect | function |
| subreport | function |
| system | function |
| texerrormessage | function |
| writer | function |

lpdf (context)

| | | | |
|---------------------------------|------------|----------------------------------|------------|
| action | function | finishtransparencycode | function |
| adddocumentcolorspace | function | flushobject | function |
| adddocumenttextgstate | function | flushstreamfileobject | function |
| adddocumentpattern | function | flushstreamobject | function |
| adddocumentshade | function | formats | data table |
| addtocatalog | function | frompdfdoc | function |
| addtoinfo | function | fromsixteen | function |
| addtonames | function | gethpos | function |
| addtopageattributes | function | getmatrix | function |
| addtopageresources | function | getpos | function |
| addtopagesattributes | function | getvpos | function |
| addxmpinfo | function | graycode | function |
| annotationspecification | function | hasmatrix | function |
| array | function | id | function |
| boolean | function | injectxmpinfo | function |
| border | function | insertxmpinfo | function |
| checkedkey | function | layerreference | function |
| checkedvalue | function | limited | function |
| circularshade | function | linearshade | function |
| cmykcode | function | nametree | function |
| collectedresources | function | null | function |
| color | function | number | function |
| colorspace | function | pagedestinations | data table |
| colorspaceconstants | data table | pagereference | function |
| colorspec | function | pagereferences | data table |
| colorvalue | function | pdfcolor | function |
| colorvalues | function | pdftimestamp | function |
| constant | function | protectresources | boolean |
| delayedobject | function | rectangle | function |
| destinationspecification | function | reference | function |
| dictionary | function | registerannotation | function |
| docstring | function | registerdestination | function |
| epdf | table | registerdocumentfinalizer | function |
| F contenttotext | | registerpagefinalizer | function |
| F expand | | reserveobject | function |
| F expanded | | rgbcode | function |
| F getpagecontent | | rotationcm | function |
| F load | | shareobject | function |
| F unload | | shareobjectreference | function |
| finalizedocument | function | spotcode | function |
| finalizepage | function | stream | function |

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

lpeg (basic lua)

| | | | |
|------------------------|------------|------------------------------|----------|
| B | function | setmaxstack | function |
| C | function | split | function |
| Carg | function | splitat | function |
| Cb | function | splitter | function |
| Cc | function | stripper | function |
| Cf | function | times | function |
| Cg | function | tsplitat | function |
| Cmt | function | tsplitter | function |
| Cp | function | type | function |
| Cs | function | utfchartabletopattern | function |
| Ct | function | version | function |
| P | function | | |
| R | function | | |
| S | function | | |
| UP | function | | |
| UR | function | | |
| US | function | | |
| V | function | | |
| afterprefix | function | | |
| anywhere | function | | |
| append | function | | |
| balancer | function | | |
| beforesuffix | function | | |
| checkedsplit | function | | |
| counter | function | | |
| endstripper | function | | |
| finder | function | | |
| firstofsplit | function | | |
| frontstripper | function | | |
| instringchecker | function | | |
| is_lpeg | function | | |
| keeper | function | | |
| locale | function | | |
| match | function | | |
| oneof | function | | |
| patterns | data table | | |
| pcode | function | | |
| print | function | | |
| ptree | function | | |
| replacer | function | | |
| secondofsplit | function | | |

ltn12 (extra lua)

BLOCKSIZE number

filter table

 F chain

 F cycle

pump table

 F all

 F step

sink table

 F chain

 F error

 F file

 F null

 F simplify

 F table

source table

 F cat

 F chain

 F empty

 F error

 F file

 F rewind

 F simplify

 F string

lua (basic tex)

| | |
|----------------------------|------------|
| bytecode | table |
| bytedata | data table |
| bytdone | table |
| collectgarbage | function |
| delay | function |
| finalize | function |
| firstbytecode | number |
| flush | function |
| flushdelayed | function |
| get_functions_table | function |
| getbytecode | function |
| getluaname | function |
| lastbytecode | number |
| mask | string |
| messages | data table |
| name | table |
| numbers | data table |
| registercode | function |
| registeredcodes | function |
| registerfinalizer | function |
| registername | function |
| setbytecode | function |
| setluaname | function |
| startupfile | string |
| version | string |

luatex (context)

| | |
|-----------------------------|----------|
| cleanuptempfiles | function |
| registerstartactions | function |
| registerstopactions | function |
| registertempfile | function |
| starttime | number |

lxml (context)

| | | | |
|------------------------|------------|-------------------------|----------|
| addindex | function | getid | function |
| all | function | getindex | function |
| applyfunction | function | id | function |
| att | function | idsplitter | userdata |
| attribute | function | include | function |
| chainattribute | function | inclusion | function |
| checkindex | function | inclusions | function |
| collected | function | index | function |
| command | function | info | function |
| concat | function | inlineverbatim | function |
| concatrange | function | installsetup | function |
| content | function | last | function |
| context | function | load | function |
| convert | function | loadbuffer | function |
| count | function | loaddata | function |
| delete | function | loaded | table |
| direct | function | loadregistered | function |
| directives | table | main | function |
| F after | | match | function |
| F before | | name | function |
| F handle | | namespace | function |
| F load | | nonspace | function |
| F setup | | pos | function |
| displayverbatim | function | position | function |
| doif | function | raw | function |
| doifelse | function | rawroot | function |
| doifelsetext | function | register | function |
| doifnot | function | registerentity | function |
| doifnottext | function | removesetup | function |
| doiftext | function | resetcdata | function |
| element | function | resetsetups | function |
| elements | function | resolvedentity | function |
| entities | data table | root | function |
| filter | function | save | function |
| filterlist | function | serialize | function |
| first | function | setaction | function |
| flush | function | setcdata | function |
| flushlinewise | function | setcommandtonone | function |
| flushsetups | function | setcommandtotext | function |
| flushspacewise | function | setsetup | function |
| get_id | function | snippet | function |

| | |
|----------------------|------------|
| sorters | table |
| F add | |
| F compare | |
| F flush | |
| F reset | |
| F show | |
| F sort | |
| splitid | function |
| startraw | function |
| stopraw | function |
| store | function |
| strip | function |
| stripped | function |
| tag | function |
| text | function |
| tofile | function |
| toparameters | function |
| toverbatim | function |
| verbatim | function |
| withindex | function |
| xmltexhandler | data table |

math (basic lua)

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

mathematics (context)

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

mbox (context)

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

md5 (extra lua)

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

metapost (context)

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

| | |
|----------------------|----------|
| setoutercolor | function |
| settext | function |
| showlog | boolean |
| svformat | function |
| tex | table |
| F get | |
| F reset | |
| F set | |
| texerrors | boolean |
| textextsdata | function |
| theclippath | function |
| totable | function |
| unload | function |
| untagvariable | function |
| variables | table |

mime (extra lua)

b64 function

decode function

decodet table

F base64

F quoted-printable

dot function

encode function

encodet table

F base64

F quoted-printable

eol function

normalize function

qp function

qpwrp function

stuff function

unb64 function

unqp function

wrap function

wrapt table

F base64

F default

F quoted-printable

F text

wrp function

mp (context)

| | |
|------------------|----------|
| _f_ | function |
| boolean | function |
| format | function |
| number | function |
| numeric | function |
| pair | function |
| print | function |
| quadruple | function |
| quoted | function |
| string | function |
| triplet | function |

mplib (extra tex)

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

noads (context)

handlers table

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

process function

processors table

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

node (basic tex)

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

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

nodes (context)

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

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

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

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

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

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

number (context)

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

os (basic lua)

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

package (basic lua)

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

pagebuilders (context)

injections table

- F flushafter
- F flushbefore
- F save

mixedcolumns table

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

pattern (context)

- 1 userdata
- 2 userdata
- 3 userdata

pdf (basic tex)

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

pdfscanner (context)

scan function

physics (context)

units table

D tables

profiler (extra lua)

pause function
resume function
start function
stop function

publications (context)

| | | | |
|------------------------|------------|-------------------------|----------|
| addtexentry | function | F filterall | |
| analyze | function | F flushentries | |
| authors | table | T methods | |
| F sorted | | F dataset | |
| T sorters | | F force | |
| F author | | F global | |
| F writer | | F local | |
| F splitstring | | F nofregistered | |
| citevariants | table | F prepareentries | |
| F author | | F register | |
| F authornum | | T sorters | |
| F authoryear | | F author | |
| F authoryears | | F dataset | |
| F category | | F default | |
| F default | | F reference | |
| F index | | F short | |
| F key | | F uservariable | |
| F num | | listvariants | table |
| F page | | F bib | |
| F serial | | F default | |
| F short | | F num | |
| F tag | | F page | |
| F type | | F short | |
| F year | | F yes | |
| collected | data table | load | function |
| concatstate | function | loadbibdata | function |
| converttoxml | function | loaders | table |
| datasets | table | F bib | |
| endnotes_to_btx | function | F buffer | |
| enhance | function | F endnote | |
| finder | function | F lua | |
| getindex | function | F refman | |
| journals | table | F xml | |
| F abbreviated | | markasupdated | function |
| F add | | new | function |
| F expanded | | parenttag | function |
| F load | | refman_to_btx | function |
| F save | | resolvedname | function |
| lists | table | search | function |
| F collectentries | | singularorplural | function |
| F fetchentries | | statistics | table |

| | | | | |
|----------------|----------------|----------------|--------|-------------------------|
| N | nofbytes | | T | optional |
| N | nofdatasets | | T | required |
| N | nofdefinitions | | T | unpublished |
| N | nofshortcuts | | T | optional |
| tracers | table | | T | required |
| F | addfield | | T | citevariants |
| T | categories | | T | fields |
| T | article | | T | listvariants |
| | T optional | | F | showdatasetcompleteness |
| | T required | | F | showdatasetfields |
| T | book | | F | showfields |
| | T optional | writers | | table |
| | T required | F | author | |
| T | booklet | | | |
| | T optional | | | |
| | T required | | | |
| T | inbook | | | |
| | T optional | | | |
| | T required | | | |
| T | incollection | | | |
| | T optional | | | |
| | T required | | | |
| T | inproceedings | | | |
| | T optional | | | |
| | T required | | | |
| T | manual | | | |
| | T optional | | | |
| | T required | | | |
| T | mastersthesis | | | |
| | T optional | | | |
| | T required | | | |
| T | misc | | | |
| | T optional | | | |
| | T required | | | |
| T | patent | | | |
| | T optional | | | |
| | T required | | | |
| T | phdthesis | | | |
| | T optional | | | |
| | T required | | | |
| T | proceedings | | | |
| | T optional | | | |
| | T required | | | |
| T | techreport | | | |

regimes (context)

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

resolvers (context)

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

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

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

scripts (context)

autofontfeature table
 F disable
 F enable
 F handler

categorytonumber data table

colors data table

decomposehangul function

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

handlers data table

hash table

injectors data table

installdataset function

installmethod function

numbertocategory data table

numbertodataset data table

numbertohandler data table

reset function

set function

splitters data table

set (context)

contains function
create function
tolist function
tonumber function
totable function

socket (extra lua)

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

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

http table

N PORT
 N TIMEOUT
 S USERAGENT
 F open
 F request

newtry function
protect function
select function
sink function

sinkt table

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

skip function

sleep function

smtp table

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

source function

sourcet table

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

tcp function

tcp6 function

tp table

N TIMEOUT
 F connect

try function

udp function

udp6 function

url table

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

sorters (context)

basicsorter function

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitsoffset

 N ignoredoffset

 N replacementoffset

 T validmethods

 B ch

 B mc

 B mm

 B pc

 B pm

 B uc

 B zc

 B zm

definitions data table

firstofsplit function

setlanguage function

sort function

splitters table

 F utf

strip function

tracers data table

update function

statistics (context)

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

status (basic tex)

list function

storage (context)

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

streams (context)

| | |
|--------------------|----------|
| collect | function |
| disable | function |
| enable | function |
| flush | function |
| initialize | function |
| push | function |
| start | function |
| stop | function |
| synchronize | function |

string (basic lua)

| | | | |
|-----------------------|----------|----------------------|----------|
| autodouble | function | tformat | function |
| autosingle | function | toboolean | function |
| booleanstring | function | tocontext | function |
| byte | function | todimen | function |
| bytepairs | function | tonodes | function |
| bytes | function | topattern | function |
| char | function | totable | function |
| characterpairs | function | toutf | function |
| characters | function | tracedchar | function |
| checkedsplit | function | tracedchars | table |
| collapsespaces | function | unquote | function |
| count | function | unquoted | function |
| dump | function | upper | function |
| escapedpattern | function | utfcharacters | function |
| explode | function | utfvalues | function |
| find | function | valid | function |
| format | function | | |
| formatter | function | | |
| formatters | function | | |
| fullstrip | function | | |
| gmatch | function | | |
| gsub | function | | |
| is_boolean | function | | |
| is_empty | function | | |
| itself | function | | |
| len | function | | |
| limit | function | | |
| longtostring | function | | |
| lower | function | | |
| match | function | | |
| nspaces | table | | |
| optionalquoted | function | | |
| quote | function | | |
| quoted | function | | |
| rep | function | | |
| reverse | function | | |
| split | function | | |
| splitlines | function | | |
| splitup | function | | |
| strip | function | | |
| sub | function | | |

structures (context)

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

inserts

D data
F define
F getdata
F getlocation
F getname
F getnumber
F setlocation
F setup
D stored

table

itemgroups

F maxwidth
F nofitems
F register

table

lists

F addto
F analyze
B autoreorder
D cached
D collected
F discard
F enhance
T enhancers
F filter
F filtercollected
F formulainumber
F getresult
F groupindex
F hasnumberdata
F haspagedata
F hastitledata
F iscached
F label
F location
F number
D ordered
F page
F popnesting
F prefix
F prefixednumber
F prefixedpage
F process
D pushed
F pushnesting

F realpage
F reordered
T result
D sectionblocks
F sectionnumber
F size
F title
D tobesaved
F userdata
F uservalue

marks

D data
F define
F exists
F fetch
F fetchallmarks
F fetched
F fetchonemark
F fetchtwomarks
F get
F number
F relate
F reset
F set
F show
F synchronize
F title
T tracers
F showtable

table

notes

F checkpagechange
F define
F doifonsamepageasprevious
F get
F getdeltapage
F getn
F getnumberpage
F getstate
F getsymbolpage
F hascontent
F internal
F internalid
F listindex
F ordered

table

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

- 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
- T urls
 - T data
 - F define
 - F get
- D usedinternals
- D usedviews
- F valid
- F whatfrom

registers

- F analyze
- D collected
- F compare
- F define
- F enhance
- F extend
- F filter
- F filtercollected
- F finalize
- F flush
- F get
- F prepare
- F process
- F setmethod
- F sort
- F store
- D tobesaved

table

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

table

| | | | |
|-----------------|--------------------|--------------|------------------------|
| | F typesetnumber | | F setdescription |
| | F userdata | | F setdescriptionsymbol |
| | B verbose | | F setfigure |
| sets | | table | F sethighlight |
| | F define | | F setitemgroup |
| | F get | | F setlist |
| | F getall | | F setproperty |
| | D setlist | | F setregister |
| specials | | table | F setsorting |
| | D collected | | F setsynonym |
| | F retrieve | | F settablecell |
| | F store | | F settabulatecell |
| | D tobesaved | | F setuserproperties |
| synonyms | | table | F start |
| | F analyzed | | F stop |
| | D collected | | D taglist |
| | F compare | | T userdata |
| | F define | | D userproperties |
| | F filter | | |
| | F finalize | | |
| | F flush | | |
| | F meaning | | |
| | F prepare | | |
| | F process | | |
| | F register | | |
| | F registerused | | |
| | F sort | | |
| | F synonym | | |
| | D tobesaved | | |
| tags | | table | |
| | T data | | |
| | F detailedtag | | |
| | F getid | | |
| | F handler | | |
| | D labels | | |
| | F last | | |
| | F lastinchain | | |
| | T metadata | | |
| | D properties | | |
| | F registerdata | | |
| | F registermetadata | | |
| | F restart | | |
| | F setattributehash | | |
| | F setcombination | | |

table (basic lua)

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

tex (basic tex)

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

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

texconfig (basic tex)

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

texio (basic tex)

`write` function

`write_nl` function

token (basic tex)

| | |
|----------------------|----------|
| command_id | function |
| command_name | function |
| create | function |
| csname_id | function |
| csname_name | function |
| expand | function |
| get_next | function |
| is_activechar | function |
| is_expandable | function |
| is_protected | function |
| lookup | function |

tokens (context)

bgroup table

collectors table

 T data

 F defaultwords

 F dowithwords

 F flush

 F handle

 F install

 F register

 T registered

 T remapper

 F convert

 T data

 F store

 F show

 T show_methods

 F a

 F b

 F c

 F showtoken

 F test

 F trace

egroup table

hbox table

letter function

letters function

other function

vbox table

vtop table

tracers (context)

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

trackers (context)

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

typesetters (context)

| | | | |
|-----------------------|-------|---------------------|----------------------|
| alignments | table | | F installhandler |
| | | | F processmath |
| | | | F set |
| breakpoints | table | | F setcolor |
| | | | F setmath |
| | | | F tomode |
| | | firstlines | table |
| | | | T actions |
| | | | F default |
| | | | F line |
| | | | F word |
| cases | table | | F handler |
| | | | F set |
| | | initials | table |
| | | | T actions |
| | | | F default |
| characteralign | table | | F handler |
| | | | F set |
| | | italics | table |
| | | | F forcevariant |
| | | | F handler |
| characters | table | | F reset |
| | | | F set |
| | | kerns | table |
| | | | D factors |
| checkers | table | | F handler |
| | | | F keepligature |
| | | | B keptogether |
| | | | D mapping |
| cleaners | table | | F set |
| | | manipulators | table |
| | | | F apply |
| | | | F applyspecification |
| digits | table | | T methods |
| | | | F Word |
| | | | F Words |
| directions | table | | F abbreviatedjournal |
| | | | F expandedjournal |
| | | | F lowercase |
| | | | F stripperperiod |
| | | | F uppercase |

- T patterns
- U list
- U pair
- F splitspecification

margins table

- F finalhandler
- F globalhandler
- F ha
- F localhandler
- F save

processors table

- F apply
- F register
- F reset
- F split
- F startapply
- F stopapply
- F stripped
- F tostring

spacings table

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

xtables table

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

unicode (extra lua)

ascii table

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

grapheme table

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

latin1 table

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

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

utf8 table

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

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

url (context)

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

utilities (context)

debugger table

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

formatters table

- F formatcolumns
- F list
- F stripzeros

garbagecollector table

- F check
- N criterium
- B enabled

lua table

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

packers table

- F hashed
- F new
- F pack
- F simplehashed
- F strip
- F unpack

N version

parsers table

- F add_settings_to_array
- F arguments_to_table
- F array_to_string
- F csvsplitter
- F getparameters
- F hash_to_string
- F iterator
- F keq_to_hash
- F listitem
- F make_settings_to_hash_pattern
- F mergehashes
- F options_to_hash
- T patterns
 - U settings_to_array
 - U settings_to_hash_a
 - U settings_to_hash_b
 - U settings_to_hash_c
 - U unittotex
- F process_stripped_settings
- F rfc4180splitter
- F runtime
- F settings_to_array
- F settings_to_array_with_repeat
- F settings_to_hash
- F settings_to_hash_strict
- F settings_to_hash_tolerant
- F settings_to_set
- F simple_hash_to_string
- F splitmethod
- F splitthousands
- F stepper
- F stripped_settings_to_array
- F unittotex
- F unittotxml

report function

sequencers table

- F appendaction
- F appendgroup
- F compile

| | |
|----------------------|------------------------|
| F disableaction | U prune and no empty |
| F disablegroup | U retain |
| F enableaction | U retain and collapse |
| F enablegroup | U retain and no empty |
| D functions | F striplines |
| F localize | F striplong |
| F new | F tabtospace |
| F nodeprocessor | T tracers |
| F prependaction | tables table |
| F prependgroup | F accesstable |
| F removeaction | F definedtable |
| F replaceaction | F definetable |
| F setkind | F encapsulate |
| F tostring | F insertaftervalue |
| setters table | F insertbeforevalue |
| F disable | F migratetable |
| F enable | F removevalue |
| F initialize | F replacevalue |
| F list | templates table |
| F new | F load |
| F register | F replace |
| F report | F replacer |
| F reset | F resolve |
| F show | |
| stacker table | |
| F new | |
| storage table | |
| F allocate | |
| F checked | |
| F mark | |
| F marked | |
| F setinitializer | |
| F sparse | |
| strings table | |
| F collapsecrlf | |
| T formatters | |
| F add | |
| F new | |
| F newrepeater | |
| F nice | |
| T striplinepatterns | |
| U collapse | |
| U prune | |
| U prune and collapse | |

vf (context)

| | |
|----------------|----------|
| char | function |
| down | function |
| fontid | function |
| image | function |
| node | function |
| nop | function |
| pop | function |
| push | function |
| right | function |
| rule | function |
| special | function |

visualizers (context)

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

xml (context)

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

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

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

zip (extra lua)

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

zlib (extra lua)

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