

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 **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)

| | | | |
|----------------------------|----------|-----------------|----------|
| 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 | getreadfilename | function |
| caches | table | global | table |
| callback | table | graphics | table |
| callbacks | table | gzip | table |
| catcodes | table | img | table |
| characters | table | inspect | function |
| chemistry | table | interactions | table |
| collectgarbage | function | interfaces | table |
| commands | table | io | table |
| containers | table | ipairs | function |
| context | function | jit | table |
| context_applyprocessor | function | job | table |
| context_firstofoneargument | function | lang | table |
| converters | table | languages | table |
| coroutine | table | layouts | table |
| ctxrunner | table | lfs | table |
| debug | table | libraries | table |
| delta | number | lmx | table |
| dimen | function | lmxconvert | function |
| dir | table | lmxnew | function |
| directives | table | load | function |
| document | table | loadfile | function |
| documentdata | table | loadstring | function |
| dofile | function | logs | table |
| endpage | function | lp_fastpos_n | userdata |

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|-----------------|----------|-------------------|----------|
| lp_fastpos_p | userdata | rawlen | function |
| lpdf | table | rawset | function |
| lpeg | table | regimes | table |
| ltn12 | table | report_characters | function |
| lua | table | require | function |
| luatex | table | resolve_fences | function |
| lxml | table | 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 | toboollean | function |
| pairs | function | token | table |
| parametersets | table | tokens | table |
| pattern | userdata | 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 |
| publications | table | url | table |
| rawequal | function | userdata | table |
| rawget | function | utf | table |

| | |
|-------------|----------|
| 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

| | | |
|-----------------------|------------|-----------------|
| 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 getdefaultfieldvalue

F getfieldcategory

F getfieldset

F getformatoption

F gethpos

F getmatrix

F getoutputfilename

F getpos

F getpreviewfigure

F getvpos

F hasmatrix

F insertrenderingwindow

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 useviewerlayer

F validfield

F validfieldcategory

F validfieldset

S comment

T nodeinjections

F addtags

F annotation

F attachfile

F changestackedlayer

F cmykcolor

F comment

F destination

F effect

F graycolor

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

registrations table

tables table

bit (context)

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

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext function

tonumber function

buffers (context)

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

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)

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

catcodes (context)

names data table

numbers data table

register function

characters (context)

| | | | |
|-----------------------|------------|------------------------------|------------|
| activeoffset | number | mathpairs | data table |
| adobename | function | mirrors | table |
| bidirectional | data table | otfscripts | data table |
| blockrange | function | ranges | data table |
| blocks | data table | registerentities | function |
| casemap | table | remap_hangul_syllable | function |
| categories | data table | safechar | function |
| category | function | setcodes | function |
| categorytags | data table | shape | function |
| checkedlower | function | shaped | function |
| combined | data table | shchars | data table |
| contextname | function | shcodes | data table |
| data | data table | showstring | function |
| decomposed | data table | specialchars | data table |
| define | function | specials | data table |
| description | function | subscripts | table |
| descriptions | data table | superscripts | table |
| directions | table | synonyms | data table |
| encodes | data table | tex | table |
| entities | data table | D accentmapping | |
| fallbacks | data table | F defineaccents | |
| filters | data table | F toutf | |
| fromnumber | function | textclasses | table |
| fschars | data table | tonumber | function |
| fscodes | data table | ucchars | data table |
| getrange | function | uccode | function |
| graphemes | data table | uccodes | data table |
| hangul | data table | unicodechar | function |
| initialize | function | upper | function |
| is_character | data table | | |
| is_command | data table | | |
| is_letter | data table | | |
| is_mark | data table | | |
| is_punctuation | data table | | |
| is_spacing | data table | | |
| lcchars | data table | | |
| lccode | function | | |
| lccodes | data table | | |
| lettered | function | | |
| lower | function | | |
| math | table | | |

chemistry (context)

| | |
|-----------------------|------------|
| 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)

| | | | |
|--------------------------------|----------|-----------------------------------|----------|
| 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 | btxauthor | function |
| MPpos | function | btxcitereference | function |
| MPposset | function | btxcollectlistentries | function |
| MPr | function | btxdetail | function |
| MPrest | function | btxdoif | function |
| MPrs | function | btxdoifelse | function |
| MPul | function | btxdoifelselistentryplaced | function |
| MPur | function | btxdoifnot | function |
| MPw | function | btxfetchlistentries | function |
| MPx | function | btxfield | function |
| MPxy | function | btxflush | function |
| MPxywhd | function | btxflushlistentries | function |
| MPy | function | btxhandlecite | function |
| Romannumerals | function | btxhandlenocite | function |
| abjadnodotnumerals | function | btxlistreference | function |
| abjadnumerals | function | btxlistvariant | function |
| addbtxentry | function | btxregisterlistentry | function |
| addcounter | function | btxsetlistmethod | function |
| addlinklistelement | function | btxsingularorplural | function |
| addreplacements | function | buildtextaccent | function |
| addtojavascriptpreamble | function | character | function |
| addtolist | function | characters | function |
| allinputpaths | function | chardescription | function |
| alphabetic | function | checkcharactersinfont | function |
| analysefloatmethod | function | checkcountersetup | function |
| analyzelist | function | checkedconversion | function |
| applytochars | function | checkedpagefloat | function |
| applytofirstcharacter | function | checktwopassdata | function |
| applytowords | function | chemicalcomponent | function |

| | | | |
|--------------------------------|----------|--------------------------------|----------|
| chineseallnumerals | function | definefilesynonym | function |
| chinesecapnumerals | function | definefont_one | function |
| chinesenumerals | function | definefont_two | function |
| cleanfontname | function | definefontfamily | function |
| cleanupbox | function | definefontfeature | function |
| cleanuplayers | function | definefontsolution | function |
| clonefield | function | defineinsertion | function |
| collectfloat | function | defineintermediatecolor | function |
| collecthelp | function | definelabels | function |
| colorcomponents | function | definelanguage | function |
| concatcommalist | function | definelinkedlist | function |
| consultfloat | function | definemarking | function |
| convertbtbxdatasettoxml | function | definemetafont | function |
| copyposition | function | definemultitonecolor | function |
| cos | function | definernote | function |
| cosd | function | defineparallel | function |
| countvalue | 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 |
| definebreakpoints | function | disableautofontscript | function |
| definecatcodetable | function | disableparbuilder | function |
| definecharacterspacing | function | disableregime | function |
| definechemical | function | disablespellchecking | function |
| defineconversion | function | discardfromlist | function |
| definecounter | function | doanalyzeframedbox | function |
| definedviewerlayer | function | doif | function |
| definefallbackfamily | function | doifblackelse | function |
| definefield | function | doifcommonelse | function |
| definefieldset | function | doifcounter | function |
| definefilefallback | function | doifdimenstringelse | function |

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|--------------------------------------|----------|------------------------------------|----------|
| doifdrawingblackelse | function | doifpositiononpage | function |
| doifelse | function | doifpositionsonsamepageelse | function |
| doifelsebuffer | function | doifpositionsonthispageelse | function |
| doifelsecontinewithfile | function | doifurldefinedelse | function |
| doifelsecounter | function | doprocessypescriptfile | function |
| doifelsecurrentfonthasfeature | function | doreshapeframedbox | function |
| doifelseintwopassdata | function | dostarttextfile | function |
| doifelsemarking | function | dostoptextfile | function |
| doifelsemessage | function | ecolumn | function |
| doifelsemultipar | function | elapsedtime | function |
| doifelseparallel | function | enableautofontscript | function |
| doifelsepositionsused | function | enablecolor | function |
| doifelserangeonpage | function | enablecolorintents | function |
| doifelserreference | function | enablefontcolorschemas | function |
| doifelsesavedfloat | function | enableparbuilder | function |
| doifelsespaces | function | enableregime | function |
| doifelseutfmathabove | function | enablespellchecking | function |
| doifelseutfmathaccent | function | enabletransparency | function |
| doifelseutfmathbelow | function | enhancelinkedlist | function |
| doifelsevisualizer | function | enhancelist | function |
| doiffielddcategoryelse | function | enhancereference | function |
| doiffielddelse | function | enhanceregister | function |
| doiffielddsetelse | function | erasebuffer | function |
| doiffiledefinedelse | function | expandcurrentreference | function |
| doiffileexistelse | function | exportformdata | function |
| doiffirstcharelse | function | exportreferences | function |
| doifinputfileelse | function | extendregister | function |
| doifinsetelse | function | extensiblecode | function |
| doifleapyearelse | function | feature | function |
| doiflisthasentry | function | featureattribute | function |
| doiflisthasnumberelse | function | featurelist | function |
| doiflisthaspageelse | function | feedback | function |
| doiflisthastitleelse | function | fetchallmarks | function |
| doiflocfileelse | function | fetchmultipar | function |
| doifnot | function | fetchmultishape | function |
| doifnotcounter | function | fetchonemark | function |
| doifnotecontent | function | fetchposboxes | function |
| doifnoteonsamepageasprevious | function | fetchtwomarks | function |
| doifobjectreferencefoundelse | function | figurefilename | function |
| doifolderversionelse | function | figurefilepath | function |
| doifoverlappingelse | function | figurefiletype | function |
| doifparentfileelse | function | figurerequest | function |
| doifposition | function | figurestatus | function |
| doifpositionelse | function | figureused | function |

| | | | |
|------------------------------------|----------|---------------------------------|----------|
| figurevariable | function | getinternallistreference | function |
| filterdefaultreference | function | getinternalreference | function |
| filterreference | function | getlasttwopassdata | function |
| finalizebox | function | getmarking | function |
| findtwopassdata | function | getmessage | function |
| firstcountervalue | function | getmpextensions | function |
| firstinset | function | getnotestate | function |
| flushfloat | function | getplaceholderchar | function |
| flushnotes | function | getprivatechar | function |
| flushpostponedblocks | function | getprogram | function |
| flushpostponednotes | function | getrandomcounta | function |
| fontchar | function | getrandomcountb | function |
| fontcollectionclone | function | getrandomseed | function |
| fontcollectiondefine | function | getreadfilename | function |
| fontcollectionprepare | function | getsectionnumber | function |
| fontcollectionregister | function | getstructuredata | function |
| fontcollectionreport | function | getsubstring | function |
| fontcollectionreset | function | gettexbuffer | function |
| fontlookupgetkey | function | gettwopassdata | function |
| fontlookupgetkeyofindex | function | gettwopassdatalist | function |
| fontlookupinitialize | function | geturl | function |
| fontlookupnofound | function | grabbuffer | function |
| forceendjob | function | hboxtovbox | function |
| forcequitjob | function | helpaction | function |
| format | function | helpreference | function |
| formatcolor | function | hexstringtonumber | function |
| formatgray | function | horizontalcode | function |
| freezerandomseed | function | hour | function |
| from | function | hyphenatedlist | function |
| getbidimode | function | hyphenatedurl | function |
| getbuffer | function | D characters | |
| getbufferctxlua | function | N lefthyphenmin | |
| getbuffermkvi | function | D mapping | |
| getcommandline | function | N righthyphenmin | |
| getctxfile | function | F setcharacters | |
| getcurrentprefixspec | function | immediateproperty | function |
| getcurrentreferencemetadata | function | incrementedcounter | function |
| getcurrentsectionlevel | function | initializetexdirectives | function |
| getdefaultfieldvalue | function | initializetextrackers | function |
| getfieldcategory | function | injectcurrentreference | function |
| getfirstcharacter | function | injectreference | function |
| getfirsttwopassdata | function | inlinechemical | function |
| getfloatvariable | function | insertattachment | function |
| getfullsectionnumber | function | insertcomment | 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 | monthmnm | 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 |
| loadtypescriptfile | function | number | function |
| loadvisualizer | function | F C | |
| locatefilepath | function | F L | |
| locfilename | function | F LuaSnippet | |
| lower | function | F LuaSnippetBoundary | |
| makeactive | function | F LuaSnippetComment | |
| manipulated | function | F LuaSnippetName | |
| markfonts | function | F LuaSnippetNameBase | |
| markingnumber | function | F LuaSnippetNameCore | |
| markingtitle | function | F LuaSnippetNameLibraries | |
| markregionbox | function | F LuaSnippetQuote | |
| math_frac | function | F LuaSnippetSpecial | |
| mathrenderset | function | F LuaSnippetString | |
| maxitemwidth | function | F MPLIBsetCtext | |
| minute | function | F MPLIBsetNtext | |
| mixcleanup | function | F MPcolor | |
| mixfinalize | function | F MetapostSnippet | |

| | |
|--------------------------------|---------------------------|
| F MetapostSnippetBoundary | F bf |
| F MetapostSnippetComment | F bgroup |
| F MetapostSnippetConstructor | F blank |
| F MetapostSnippetName | F bold |
| F MetapostSnippetNameMetafun | F btxcheckboxlistcombi |
| F MetapostSnippetNamePlain | F btxcheckboxlistentry |
| F MetapostSnippetNamePrimitive | F btxcitesetup |
| F MetapostSnippetQuote | F btxcitevariantparameter |
| F MetapostSnippetSpecial | F btxdirectlink |
| F MetapostSnippetString | F btxdomarkcitation |
| F NC | F btxhandlelistentry |
| F NR | F btxlistparameter |
| F ParsedXmlSnippetCdata | F btxlistvariantparameter |
| F ParsedXmlSnippetComment | F btxmissing |
| F ParsedXmlSnippetDoctype | F btxsetcitereference |
| F ParsedXmlSnippetElement | F btxsetconcat |
| F ParsedXmlSnippetInstruction | F btxsetfirst |
| F ParsedXmlSnippetKey | F btxsetinternal |
| F ParsedXmlSnippetValue | F btxsetlistreference |
| F TexSnippet | F btxsetsecond |
| F TexSnippetBoundary | F btxsettag |
| F TexSnippetComment | F btxstartsubcite |
| F TexSnippetGroup | F btxstopsubcite |
| F TexSnippetName | F c |
| F TexSnippetSpecial | F callfunctiononce |
| F XmlSnippet | F char |
| F XmlSnippetBoundary | F chardef |
| F XmlSnippetCdata | F color |
| F XmlSnippetComment | F colordefagc |
| F XmlSnippetEntity | F colordefagt |
| F XmlSnippetEqual | F colordefalc |
| F XmlSnippetKey | F colordefalt |
| F XmlSnippetName | F colordeffgc |
| F XmlSnippetString | F colordeffgt |
| F __flush | F colordefflc |
| F __flushdirect | F colordefflt |
| F __flushlines | F colordefrgc |
| F a | F colordefrgt |
| F addaskedblankskip | F colordefrlc |
| F addpredefinedblankskip | F colordefrlt |
| F applyprocessor | F concat |
| F b | F constructcs |
| F beginhbox | F constructcsonly |
| F beginvbox | F convertnumber |

| | |
|---------------------------------|-------------------------------|
| 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 fntsetsomename |
| F digitsspace | F fntsetsomesiz |
| F digitzeropadding | T formatted |
| F direct | F fprint |
| F dodisplayverbatimimbeginline | T generics |
| F dodisplayverbatimimemptyline | S starttabulate |
| F dodisplayverbatimiminitialize | S stoptabulate |
| F dodisplayverbatimimnewline | F getlogger |
| F dodisplayverbatimimstart | F getreferencestructureprefix |
| F dodisplayverbatimimstop | F getvalue |
| F dofastdefinetypeface | F glyph |
| F dofinishsomereference | F gobbleoneargument |
| F dofromfiledescription | F goto |
| F dofromfileliteral | F hrule |
| F dofromurldescription | F input |
| F dofromurlliteral | T knownfunctions |
| F doinlineverbatimimbeginline | F l |
| F doinlineverbatimimemptyline | F lateluafunction |
| F doinlineverbatimimnewline | F letvaluerelax |
| F doinlineverbatimimstart | F loadfile |
| F doinlineverbatimimstop | F loadfoundtypescriptfile |
| F donestedtypingstart | F luasetup |
| F donestedtypingstop | F m |

| | |
|------------------------|--------------------------|
| F makelinenumber | F setblankorder |
| T metafun | F setblankpenalty |
| F color | F setconditional |
| T delayed | F setfalsevalue |
| F start | F sethboxregister |
| F stop | F setsomevalue |
| T nested | F settabulateentry |
| F markingcommand | F settabulatelastentry |
| F markingseparator | F settracing |
| F newbox | F setupsystem |
| F newcount | F setupwithargument |
| F newdimen | F setvalue |
| F newindexer | F setvboxregister |
| F newmuskup | F setxvalue |
| F newskip | F space |
| F newtexthandler | F sprint |
| F newtoks | F startLuaSnippet |
| F newverbosehandler | F startMetapostSnippet |
| F nointerlineskip | F startParsedXmlSnippet |
| F normalatop | F startTexSnippet |
| F normalover | F startXmlSnippet |
| F overstrike | F starttblblankhandling |
| F par | F startcolumns |
| F pdfliteral | F startcomponentindeed |
| F popcatcodes | F startenvironmentindeed |
| F poplogger | F startfontclass |
| F printlines | F starthboxregister |
| F processfilemany | F startproductindeed |
| F processfilenone | F startprojectindeed |
| F processfileonce | F startreadingfile |
| F protect | F startregisterentries |
| T puretext | F startregisterentry |
| F pushcatcodes | F startregisteroutput |
| F pushlogger | F startregisterpages |
| F registerentry | F startregistersection |
| F registerfunction | F startregisterseewords |
| F registeronepage | F starttabulate |
| F registerpagerange | F starttext |
| F registerseeword | F starttitle |
| F reservefunction | F startvboxregister |
| F rlap | F startxtitle |
| F runfile | F stopLuaSnippet |
| F secondoftwoarguments | F stopMetapostSnippet |
| F setblankcategory | F stopParsedXmlSnippet |

| | |
|-------------------------|--------------------------------|
| 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 |
| F stopxtitle | F MetapostSnippetName |
| F storenode | F MetapostSnippetNameMetafun |
| F synonymentry | F MetapostSnippetNamePlain |
| F tabulaterow | F MetapostSnippetNamePrimitive |
| F tabulaterowbold | F MetapostSnippetQuote |
| F tabulaterowtyp | F MetapostSnippetSpecial |
| F tabulaterowtype | F MetapostSnippetString |
| F template | F ParsedXmlSnippetCdata |
| T templates | F ParsedXmlSnippetComment |
| F texsetup | F ParsedXmlSnippetDoctype |
| F tobuffer | F ParsedXmlSnippetElement |
| F tocontext | F ParsedXmlSnippetInstruction |
| F tolines | F TexSnippetBoundary |
| F unitsC | F TexSnippetComment |
| F unitsN | F TexSnippetGroup |
| F unitsNspace | F TexSnippetName |
| F unitsNstart | F TexSnippetSpecial |
| 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 XmlSnippetName
- F XmlSnippetString
- F ctxreport
- F viafile
- F vrule
- F xmldataaafter
- F xmldataabefore
- F xmldataabeyedline
- F xmldataabeyedspace
- F xmlprocessbuffer
- F xmlsetup

numbers

- F C
- F L
- F LuaSnippet
- F LuaSnippetBoundary
- F LuaSnippetComment
- F LuaSnippetName
- F LuaSnippetNameBase
- F LuaSnippetNameCore
- F LuaSnippetNameLibraries
- F LuaSnippetQuote
- F LuaSnippetSpecial
- F LuaSnippetString
- F MPLIBsetCtext
- F MPLIBsetNtext
- F MPcolor
- F MetapostSnippet
- F MetapostSnippetBoundary
- F MetapostSnippetComment
- F MetapostSnippetConstructor
- F MetapostSnippetName
- F MetapostSnippetNameMetafun
- F MetapostSnippetNamePlain
- F MetapostSnippetNamePrimitive
- F MetapostSnippetQuote
- F MetapostSnippetSpecial
- F MetapostSnippetString
- F NC
- F NR
- F ParsedXmlSnippetCdata
- F ParsedXmlSnippetComment
- F ParsedXmlSnippetDoctype
- F ParsedXmlSnippetElement

function

- F ParsedXmlSnippetInstruction
- F ParsedXmlSnippetKey
- F ParsedXmlSnippetValue
- F TexSnippet
- F TexSnippetBoundary
- F TexSnippetComment
- F TexSnippetGroup
- F TexSnippetName
- F TexSnippetSpecial
- F XmlSnippet
- F XmlSnippetBoundary
- F XmlSnippetCdata
- F XmlSnippetComment
- F XmlSnippetEntity
- F XmlSnippetEqual
- F XmlSnippetKey
- F XmlSnippetName
- F XmlSnippetString
- F __flush
- F __flushdirect
- F __flushlines
- F a
- F addaskedblankskip
- F addpredefinedblankskip
- F applyprocessor
- F b
- F beginhbox
- F beginvbox
- F bf
- F bgroup
- F blank
- F bold
- F btxcheckboxlistcombi
- F btxcheckboxlistentry
- F btxcitesetup
- F btxcitevariantparameter
- F btxdirectlink
- F btxdomarkcitation
- F btxhandlelistentry
- F btxlistparameter
- F btxlistvariantparameter
- F btxmissing
- F btxsetcitereference
- F btxsetconcat

| | |
|----------------------------|-------------------------------|
| F btxsetfirst | F digitspositive |
| F btxsetinternal | F digitspower |
| F btxsetlistreference | F digitspowerminus |
| F btxsetsecond | F digitspowerplus |
| F btxsettag | F digitsseparatorspace |
| F btxstartsubcite | F digitssignspace |
| F btxstopsubcite | F digitsspace |
| F c | F digitsszeropadding |
| 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 colordefalt | 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 flushblankhandling | F newtoks |
| F flushboxregister | F newverbosehandler |
| F flushnode | F nointerlineskip |
| F fntsetdefname | F normalatop |
| F fntsetnopsiz | F normalover |
| F fntsetsomename | F overstrike |
| F fntsetsomesize | F par |
| T formatted | F pdfliteral |
| F fprint | F popcatcodes |
| T generics | F poplogger |
| S starttabulate | F printlines |
| S stoptabulate | F processfilemany |
| F getlogger | F processfilenone |
| F getreferencestructureprefix | F processfileonce |
| F getvalue | F protect |
| F glyph | T puretext |
| F gobbleoneargument | F pushcatcodes |
| F goto | F pushlogger |
| F hrule | F registerentry |
| F input | F registerfunction |
| T knownfunctions | F registeronepage |
| F l | F registerpagerange |
| F lateluafunction | F registerseeword |
| F letvaluerelax | F reservefunction |
| F loadfile | F rlap |
| F loadfoundtypescriptfile | F runfile |
| F luasetup | F secondoftwoarguments |
| F m | F setblankcategory |
| F makelinenumber | F setblankorder |
| T metafun | F setblankpenalty |
| F color | F setconditional |
| T delayed | F setfalsevalue |
| F start | F sethboxregister |
| F stop | F setsomevalue |
| T nested | F settabulateentry |
| F markingcommand | F settabulatelastentry |
| F markingseparator | F settracing |
| F newbox | F setupsystem |
| F newcount | F setupwithargument |
| F newdimen | F setvalue |
| F newindexer | F setvboxregister |
| F newmuskup | F setxvalue |
| F newskip | F space |
| F newtexthandler | F sprint |

| | |
|--------------------------|---------------------------|
| 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 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 |

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

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|-----------------------------------|----------|---------------------------------|----------|
| processlist | function | replacepospxywhd | function |
| processregister | function | reportstructure | function |
| processsplit | function | resavefloat | function |
| processsynonyms | function | resetcharacteralign | function |
| 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 | save tagged twopassdata | 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 | setbtbxentry | function |

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|--------------------------------|----------|---------------------------------|----------|
| setcharacteralign | function | setnextinternalreference | function |
| setcharactercasing | function | setnextreferenceorder | function |
| setcharactercleaning | function | setnotestate | function |
| setcharactercodes | function | setnotesymbolpage | function |
| setcharacterkerning | function | setobject | function |
| setcharacterspacing | function | setopendocumentaction | function |
| setcharacterstripping | function | setopenpageaction | function |
| setcloseddocumentaction | function | setowncounter | function |
| setclosepageaction | function | setpagestate | function |
| setcolormodel | function | setpagestaterealpageno | function |
| setcounter | function | setpagetransition | function |
| setdataset | function | setparbuilder | function |
| setdigitsmanipulation | function | setpos | function |
| setdirection | function | setrandomseed | function |
| setdocumentenvironments | function | setrealign | function |
| setdocumentfilenames | function | setrealspaces | function |
| setdocumentmodes | function | setreferencearguments | function |
| setdocumentmodules | 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 | settagproperty | function |
| setjobcomment | function | settagsorting | function |
| setlanguageexceptions | function | settagsynonym | function |
| setlanguagesynonym | function | settagtablecell | function |
| setlayer | function | settagtabulatecell | function |
| setmarking | function | setupbookmarks | function |
| setmathalphabet | function | setupcanvas | function |
| setmathalternate | function | setupcharacterspacing | function |
| setmathattribute | function | setupexport | function |
| setmathdirection | function | setupfontexpansion | function |
| setmathitalics | function | setupfontprotrusion | function |
| setmathstyle | function | setupidentity | function |

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

| | | | |
|------------------------------|-----------------|-----------------------------------|-----------------|
| unit | function | writestatus | function |
| unloadlanguage | function | x_table_c | function |
| upper | function | x_table_cleanup | function |
| useMPLibrary | function | x_table_construct | function |
| useanyfile | function | x_table_create | function |
| usebtxdataset | function | x_table_flush | function |
| usecldfile | function | x_table_init_construct | function |
| usecolors | function | x_table_init_reflow_height | function |
| usecomponent | function | x_table_init_reflow_width | function |
| useenvironment | function | x_table_next_row | function |
| usefile | function | x_table_r | function |
| usejavascriptpreamble | function | x_table_reflow_height | function |
| usejavascriptscripts | function | x_table_reflow_width | function |
| uselibrary | function | x_table_set_construct | function |
| useluafile | function | x_table_set_reflow_height | function |
| uselua module | function | x_table_set_reflow_width | function |
| usemodules | function | year | function |
| usepath | 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 | | |
| utfmathfiller | function | | |
| utfmathstretch | function | | |
| vboxlisttohbox | function | | |
| verbose | function | | |
| visual | function | | |
| vspacing | function | | |
| vspacingcollapse | function | | |
| vspacingdefine | function | | |
| vspacingsetamount | function | | |
| vspacingsnap | function | | |
| way | function | | |
| weekday | function | | |
| weekdayname | 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 | ordinal | function |
| AK | function | r | function |
| Alphabetic | function | rawcharacter | function |
| Character | function | romannumerals | function |
| Characters | function | second | function |
| I | function | sequences | data table |
| KA | function | textime | function |
| KR | function | toabjad | function |
| R | function | tochinese | function |
| RK | function | toroman | function |
| Romannumerals | function | verbose | table |
| Word | function | D data | |
| Words | function | F translate | |
| a | function | weekday | function |
| abjadnodotnumerals | function | word | function |
| abjadnumerals | function | words | function |
| alphabetic | function | year | function |
| character | function | | |
| characters | 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 | | |
| maxchrs | function | | |
| minute | function | | |
| month | function | | |
| nofdays | function | | |
| number | function | | |
| numbers | function | | |
| octstringtonumber | 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 commandline | |
| 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 |
| bases | data table |
| bitmapimage | function |
| boxnumber | number |
| cachepaths | data table |
| check | function |
| checkers | data table |
| converters | data table |
| current | function |
| defaultdepth | number |
| defaultheight | number |
| defaultsearch | boolean |
| defaultwidth | number |
| done | function |
| dummy | function |
| exists | data table |
| exists | function |
| formats | data table |
| found | data table |
| get | function |
| guess | function |
| hash | function |
| identifiers | data table |
| identify | function |
| images | table |

- F boxes
- 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
- F totable
- F types

| | |
|-------------------------|------------|
| F write | |
| include | function |
| includers | data table |
| initialize | function |
| loaded | data table |
| localpaths | data table |
| magics | data table |
| mergegoodies | function |
| nofprocessed | number |
| order | data table |
| paths | data table |
| patterns | data table |
| pop | function |
| preferquality | boolean |
| programs | data table |
| push | function |
| registerpattern | function |
| registerresource | function |
| registersuffix | function |
| resources | data table |
| scale | function |
| setlookups | function |
| setorder | function |
| setpaths | function |
| suffixes | data table |
| used | data table |

file (basic lua)

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

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

| | | |
|--------------------------|-----------------------|----------|
| 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 | |
| S embedding | F current | |

| | |
|-----------------------|-------------------------|
| S defaultlookup | F mathematics |
| F define | F protrusions |
| F getspecification | F solutions |
| F internal | F treatments |
| F loadfont | F typefaces |
| F makespecification | F load |
| T methods | F prepare_features |
| F install | F register |
| D variants | F registerpostprocessor |
| F read | F report |
| F register | handlers |
| F registered | table |
| F registersplit | T afm |
| F resetnullfont | B addkerns |
| F resolve | B addligatures |
| T resolvers | B addtexligatures |
| F file | B autoprefixed |
| F name | D cache |
| F spec | D features |
| definetypeface | T helpdata |
| function | D bothkerned |
| encodings | D leftkerned |
| table | D ligatures |
| T agl | D rightkerned |
| D cache | D texligatures |
| F is_known | F load |
| D known | F setfeatures |
| F load | B syncspace |
| F make_unicode_vector | N version |
| D math | T otf |
| N version | F addfeature |
| expansions | D cache |
| data table | T chainhandlers |
| formats | F normal |
| data table | F verbose |
| goodies | F collectlookups |
| table | F dataset |
| D colorschemes | S defaultbasealternate |
| D data | S defaultnodealternate |
| D designsizes | D enhancers |
| D filenames | D features |
| F getcompositions | F fileformat |
| T list | F getalternate |
| F compositions | T glists |
| F designsizes | T handlers |
| F expansions | |
| F featureset | |
| F filenames | |
| F files | |

| | | |
|---|----------------------|--------------|
| F contextchain | D math | |
| F devanagari_remove_joiners | D predefined | |
| F devanagari_reorder_matras | D whatever | |
| F devanagari_reorder_pre_base_reordering_consonants | hashes | table |
| F devanagari_reorder_reph | D characters | |
| F gpos_context | D csnames | |
| F gpos_contextchain | D descriptions | |
| F gpos_cursive | D dynamics | |
| F gpos_mark2base | D emwidths | |
| F gpos_mark2ligature | D exheights | |
| F gpos_mark2mark | D extensibles | |
| F gpos_pair | D features | |
| F gpos_single | D identifiers | |
| F gsub_alternate | D italics | |
| F gsub_context | D lastmathids | |
| F gsub_contextchain | D marks | |
| F gsub_ligature | D parameters | |
| F gsub_multiple | T processes | |
| F gsub_reversecontextchain | D properties | |
| F gsub_single | D quads | |
| F load | D resources | |
| F scriptandlanguage | T setdynamics | |
| F setcontextchain | D spaces | |
| F setdynamics | D spacings | |
| F setfeatures | D unicodes | |
| T statistics | D xheights | |
| D usedfeatures | helpers | table |
| T tables | F addprivate | |
| D baselines | F dimenfactor | |
| D features | F expandglyph | |
| D languages | F fontpatternhassize | |
| D scripts | F getdigitwidth | |
| N version | F getparameters | |
| T pfb | F getprivatenode | |
| T tfm | F hasprivate | |
| D features | F name | |
| F setfeatures | F nametoslot | |
| T vf | F setdigitwidth | |
| T combinations | F splitfontpattern | |
| F combine | iterators | table |
| T combiner | F characters | |
| D commands | F descriptions | |
| F find | F glyphs | |
| D helpers | 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 fromunicodel6
 F loadfile
 F loadline
 F loadlumtable
 F makenameparser
 F reset
 F tounicodel6
 F tounicodel6sequence

mp table

D cache
 B inline
 N version

names data table

nulldata protrusions readers

data table
data table
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 |
| savedata | function |
| size | function |
| stderr | userdata |
| stdin | userdata |
| stdout | userdata |
| tmpfile | function |
| type | function |
| write | function |

jit (context)

| | |
|--------------------|----------|
| arch | string |
| attach | function |
| flush | function |
| off | function |
| on | function |
| opt | table |
| F start | |
| os | string |
| status | function |
| util | table |
| F funcbc | |
| F funcinfo | |
| F 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
- 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 | F found |
| associated | data table | F load |
| association | function | T methods |
| counters | data table | N threshold |
| current | function | |
| data | data table | |
| define | function | |
| frequencies | table | |
| | F averagecharwidth | |
| | F getdata | |
| getnumber | function | |
| hyphenate | function | |
| 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 | |
| words | table | |
| | F check | |
| | T data | |
| | F disable | |
| | F enable | |
| | T enablers | |
| | B enables | |

layouts (context)

status table

F isleftpage

F leftorrightpagection

lfs (extra lua)

| | |
|--------------------------|---------------------|
| attributes | function |
| chdir | function |
| currentdir | function |
| dir | function |
| isdir | overloaded function |
| isfile | function |
| lock | function |
| lock_dir | function |
| mkdir | function |
| makedirs | 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 | gethpos | function |
| adddocumentcolorspace | function | getmatrix | function |
| adddocumenttextgstate | function | getpos | function |
| adddocumentpattern | function | getvpos | function |
| adddocumentshade | function | graycode | function |
| addtocatalog | function | hasmatrix | function |
| addtoinfo | function | id | function |
| addtonames | function | injectxmpinfo | function |
| addtopageattributes | function | insertxmpinfo | function |
| addtopageresources | function | layerreference | function |
| addtopagesattributes | function | limited | function |
| addxmpinfo | function | linearshade | function |
| annotationspecification | function | nametree | function |
| array | function | null | function |
| boolean | function | number | function |
| border | function | pagedestinations | data table |
| checkedkey | function | pagereference | function |
| checkedvalue | function | pagereferences | data table |
| circularshade | function | pdfcolor | function |
| cmykcode | function | pdftimestamp | function |
| collectedresources | function | protectresources | boolean |
| color | function | rectangle | function |
| colorspace | function | reference | function |
| colorspaceconstants | data table | registerannotation | function |
| colorspec | function | registerdestination | function |
| colorvalue | function | registerdocumentfinalizer | function |
| colorvalues | function | registerpagefinalizer | function |
| constant | function | reserveobject | function |
| delayedobject | function | rgbcode | function |
| destinationspecification | function | rotationcm | function |
| dictionary | function | shareobject | function |
| epdf | table | shareobjectreference | function |
| F expand | | spotcode | function |
| F load | | stream | function |
| finalizeddocument | function | string | function |
| finalizepage | function | timestamp | function |
| finishtransparencycode | function | toeight | function |
| flushobject | function | tosixteen | function |
| flushstreamfileobject | function | transform | function |
| flushstreamobject | function | transparency | function |
| formats | data table | transparencycode | function |

| | |
|---------------------------|----------|
| transparencygroups | table |
| transparencyvalue | function |
| unicode | function |
| verbose | function |

B none

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

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 makemply | |
| directrun | function | lastlog | string |
| edefsxsy | function | llx | number |
| escaped | function | lly | number |
| exectime | table | load | function |
| extensiondata | data table | makemply | table |
| filterclippath | function | N nofconverted | |
| finder | function | F processgraphics | |
| flush | function | F registerfile | |
| flushers | table | metafun | table |
| T pdf | | F interpolate | |
| F comment | | F topath | |
| F flushfigure | | method | number |
| F startfigure | | mptopdf | table |
| F stopfigure | | F convertmptstopdf | |
| F textfigure | | N nofconverted | |
| flushliteral | function | multipass | boolean |
| flushnormalpath | function | n | number |
| flushreset | function | nvformat | function |
| fonts | table | optimize | boolean |
| F define | | parse | function |
| T flusher | | pdf literals | function |
| F flushfigure | | pluginactions | function |
| F startfigure | | process | function |
| F stopfigure | | processplugins | function |
| N instances | | processspecial | function |
| F process | | quickanddirty | function |
| format | function | reducetogray | boolean |
| format_number | function | reporterror | function |
| format_string | function | reset | function |
| formatnumber | function | resetlastlog | function |
| getclippath | function | resetplugins | function |
| getextensions | function | resettex texts | function |

| | |
|----------------------|----------|
| runscript | function |
| scripterror | function |
| setextensions | function |
| setoutercolor | function |
| settext | function |
| settexttexts | function |
| showlog | boolean |
| svformat | function |
| tex | table |
| F get | |
| F reset | |
| F set | |
| texerrors | boolean |
| texttextsdata | function |
| theclippath | function |
| totable | function |
| unload | function |
| untagvariable | function |
| urx | number |
| ury | number |
| 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 | markers | table |
| F handler | | F get | |
| F installnewkern | | mathcodes | data table |
| F setcursive | | maxboxwidth | function |
| F setkern | | 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 | |
| kerning | function | F do_ligature_n | |
| keys | table | F end_of_math | |
| T whatsit | | F fastpack | |
| 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 | |
| load | function | F getsubtype | |
| locate | function | F has_attribute | |
| margincodes | data table | F has_field | |

| | |
|---------------------|------------------------|
| 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 repacklist |
| F hlist | F replace |
| F kern | F rightmarginwidth |
| F latelua | F set_attribute |
| F lateluafunction | F setattr |
| F leftmarginkern | F setattribute |
| F leftskip | F setattributes |
| 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 pdfsave | F takebox |
| F pdfsetmatrix | F tonode |
| F penalty | F tonodes |

- F tonut
- F tostring
- F tracedslide
- F traverse
- F traverse_id
- T typesetters
 - F fast_hpack
 - F hpack
 - F tohpack
 - F tohpackfast
 - F tonodes
 - F tovpack
 - F tovpackfast
 - F vpack
- F unprotect_glyphs
- F unset_attribute
- F unsetattribute
- F unsetattributes
- F untracedslide
- F usedlist
- F vianodes
- F vianuts
- F vpack
- F writable_spec
- F write
- packlist** function
- pardir_is_equal** data table
- pardir_is_opposite** data table
- pardir_is_parallel** data table
- partextdir_is_equal** data table
- penaltycodes** data table
- plugindata** table
 - F finalizer
 - F initializer
 - S name
 - T namespace
 - N attribute
 - D data
 - F enable
 - F handler
 - F register
 - D registered
 - D values
 - F processor

- points**
- pool**
 - F baselineskip
 - F cleanup
 - F glyph
 - F kern
 - F latelua
 - F lateluafunction
 - F lineskip
 - F pdfliteral
 - F pdfsetmatrix
 - F register
 - F rule
 - F special
 - F usage
 - T userids
 - N margins.inline
 - N property
 - N splitters.one
 - N splitters.two
 - F usernumber

function
table

- prepend**
- print**
- processors**

function
function
table

- B enabled
- F hpack_filter
- F post_linebreak_filter
- F pre_linebreak_filter
- F tracer

- processwords**
- properties**

function
table

- T actions
- F delayed
- F fdelayed
- F immediate
- F attach
- T data
- F delayed

- protect_glyphs**
- protrusion_skippable**
- pts**
- reference**
- references**

function
function
function
function
table

- N attribute

| | | | |
|---------------------------|------------|----------------------------|------------|
| T done | | F set | |
| F handler | | striprange | 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 restart | |
| setattr | function | F setaction | |
| setattribute | function | F showactions | |
| setattributes | function | F table | |
| setbox | function | texmdir_is_equal | data table |
| setfield | function | texmdir_is_is | data table |
| setunsetattributes | function | texmdir_is_opposite | data table |
| shifts | table | texmdir_is_parallel | data table |
| D data | | tobasepoints | function |
| F define | | tocentimeters | function |
| F enable | | tociceros | function |
| F handler | | todidots | function |
| show | function | todimen | function |
| showboxes | function | toinches | function |
| showcodes | function | tomillimeters | function |
| showlist | function | tonewciceros | function |
| showsimplelist | function | tonewdidots | function |
| skipcodes | data table | tonode | function |
| slide | function | tonodes | function |
| snapshots | table | tonut | function |
| F getparameters | | topicas | function |
| F getsamples | | topoints | function |
| F resetsamples | | toscaledpoints | function |
| F takesample | | tosequence | function |
| somepenalty | function | tostring | function |
| somespace | function | totable | function |
| stripping | table | totree | function |
| T glyphs | | toutf | function |

tracers**table****traverse_id
typesetters****function
table**

T characters

F collect

F equal

F indices

F start

F string

F unicodes

T colors

F reset

F set

F setlist

F fontchar

T frequencies

F register

T pool

T nodes

F rule

T nuts

F rule

F resetproperties

F rule

F setlist

F setproperties

F start

T steppers

F check

F codes

F features

F font

F glyphs

F message

F messages

F nofsteps

F register

F reset

F start

F stop

F stop

T transparencies

F reset

F set

F setlist

traverse**function**

F hpack

F tohpack

F tohpackfast

F tonodes

F tovpack

F tovpackfast

F vpack

unprotect_glyphs**unset_attribute****unsetattribute****unsetattributes****usedlist****vianodes****vianuts****visualizebox****visualizers**

F box

F handler

F markfonts

F setfont

F setlayer

F setvisual

vpack**whatcodes****whatsitcodes****writable_spec****write**

function

function

function

function

function

function

function

function

table

function

data table

data table

function

function

number (context)

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

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

analyze function

authors table

F concat

F inverted

F invertedshort

F normal

F normalshort

F preparedsort

F setsettings

F short

F sorted

F splitstring

citevariants table

F author

F authornum

F authoryear

F authoryears

F category

F default

F index

F key

F num

F page

F serial

F short

F tag

F type

F year

collected data table

converttoxml function

datasets table

endnotes_to_btx function

enhance function

finder function

getindex function

lists table

F collectentries

F doifalreadyplaced

F fetchentries

F filterall

F flushentries

F nofregistered

F register

F registerplaced

F setmethod

T sorters

F author

F dataset

F reference

F short

listvariants table

F default

F num

F short

load function

loadbibdata function

loaders table

F bib

F endnote

F lua

F refman

F xml

markasupdated function

new function

parenttag function

refman_to_btx function

search function

singularorplural function

statistics table

N nofbytes

N nofdatasets

N nofdefinitions

N nofshortcuts

tracers table

T categories

T article

T optional

T required

T book

T optional

T required

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 phdthesis
 T optional
 T required
T proceedings
 T optional
 T required
T techreport
 T optional
 T required
T unpublished
 T optional
 T required
T citevariants
T fields
T listvariants
F showdatasetcompleteness
F showdatasetfields

regimes (context)

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

resolvers (context)

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

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

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 | toboolean | function |
| autosingle | function | tocontext | function |
| booleanstring | function | todimen | function |
| byte | function | tonodes | function |
| bytepairs | function | topattern | function |
| bytes | function | totable | function |
| char | function | toutf | function |
| characterpairs | function | tracedchar | function |
| characters | function | tracedchars | table |
| checkedsplit | function | unquote | function |
| collapsespaces | function | unquoted | function |
| count | function | upper | function |
| dump | function | utfcharacters | function |
| escapedpattern | function | utfvalues | function |
| explode | function | valid | function |
| find | 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 | | |
| quote | function | | |
| quoted | function | | |
| rep | function | | |
| reverse | function | | |
| split | function | | |
| splitlines | function | | |
| splitup | function | | |
| strip | function | | |
| sub | function | | |
| tformat | function | | |

structures (context)

| | | | |
|-------------------|----------|-----------------------------|----------|
| atlocation | function | F setlevel | |
| blocks | table | F setoffset | |
| D collected | | F setown | |
| F define | | F setstate | |
| F print | | F setvalue | |
| F save | | T specials | |
| F select | | F userpage | |
| F setstate | | F subs | |
| D states | | D tobesaved | |
| D tobesaved | | F value | |
| bookmarks | table | currentsectionnumber | function |
| F finalize | | descriptions | table |
| F flatten | | documents | table |
| S method | | D data | |
| F overload | | F initialize | |
| F place | | F preset | |
| F register | | F reset | |
| F setup | | floats | table |
| counters | table | formulas | table |
| F add | | F current | |
| F analyze | | F simplify | |
| F check | | F store | |
| D collected | | helpers | table |
| 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 | |
| F previous | | inserts | table |
| F raw | | D data | |
| F record | | F define | |
| F reset | | F getdata | |
| F restart | | F getlocation | |
| F restore | | F getname | |
| F save | | F getnumber | |
| F set | | F setlocation | |

| | |
|-------------------|--------------|
| F setup | |
| D stored | |
| itemgroups | table |
| F maxwidth | |
| F nofitems | |
| F register | |
| lists | table |
| F addto | |
| F analyze | |
| B autoreorder | |
| D cached | |
| D collected | |
| F discard | |
| F enhance | |
| T enhancers | |
| F filter | |
| F filtercollected | |
| F formulainumber | |
| 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 | table |
| 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 | |
| notes | table |
| 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 | |
| F postpone | |
| F resetpostponed | |
| F restore | |
| F save | |
| F setstate | |
| F setsymbolpage | |
| D states | |
| F store | |
| pages | table |

F analyze
D collected
F is_odd
N nopages
F number
F save
D tobesaved

references

table

F analyze
F checkedfile
F checkedfileorurl
F checkedprogram
F checkedrealpage
F checkedurl
D collected
U componentsplitter
F currentmetadata
F currentorder
D currentset
F define
D defined
D derived
F enableinteraction
F enhance
D executors
F expandcurrent
F export
T files
 T data
 F define
 F get
F filter
F filterdefault
D filters
D flaginternals
F from
F get
F getcurrentmetadata
F getcurrentprefixspec
F getinnermethod
F getinternallistreference
F getinternalreference
D handlers
F identify

F import
F inject
F injectcurrentset
S innermethod
D internals
F load
F loadpresets
F mark
D pages
U prefixsplitter
D productdata
T programs
 T data
 F define
 F get
F realpageofpage
U referencesplitter
D referred
F referredpage
F registerfinalizer
F registerinitializer
F registerpage
F reportproblems
F reset
D runners
F set
F setandgetattribute
F setcomponent
F setinnermethod
F setinternalreference
F setnextinternal
F setnextorder
D specials
F splitcomponent
F splitprefix
F splitreference
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 prepare
- F process
- F setmethod
- F sort
- F store
- D tobesaved
- F unique
- F userdata

sections

- F autodepth
- F cct
- D collected
- F current
- F currentblock
- F currentid
- F currentlevel
- F depthnumber
- F finddata

table

- 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
- F typesetnumber
- F userdata
- B verbose

sets

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

specials

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

table

table

synonyms

table

D taglist

T userdata

F analyzed
D collected
F compare
F define
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
F setdescription
F setdescriptionsymbol
F setfigure
F sethighlight
F setitemgroup
F setproperty
F setsorting
F setsynonym
F settablecell
F settabulatecell
F start
F stop

table (basic lua)

| | | | |
|------------------------|----------|-----------------------------|----------|
| allkeys | function | serialize | function |
| append | function | setmetatablecall | function |
| are_equal | function | setmetatableindex | function |
| autokey | function | setmetatablekey | function |
| compact | function | setmetatablenewindex | function |
| concat | function | sort | function |
| contains | function | sorted | function |
| copy | function | sortedhash | function |
| count | function | sortedhashkeys | function |
| derive | function | sortedhashonly | function |
| deserialize | function | sortedindexonly | function |
| drop | function | sortedkeys | function |
| fastcopy | function | sortedpairs | function |
| fastserialize | function | strip | function |
| flattened | function | sub | function |
| foreach | function | swapped | function |
| foreachi | function | tocontext | function |
| fromhash | function | tocsv | function |
| getmetatablekey | function | tofile | function |
| getn | function | tohandle | function |
| has_one_entry | function | tohash | function |
| identical | function | toxml | function |
| imerge | function | twowaymapper | function |
| merged | function | unique | function |
| insert | function | unnest | function |
| is_empty | function | unpack | function |
| keys | function | values | function |
| load | 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 | | |
| sequenced | 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 | prtcacodes | number |
| getdimen | function | romannumeral | function |
| getlccode | function | round | function |
| getlist | function | run | function |
| getmath | function | scale | function |
| getmathcode | function | set | function |
| getnest | function | set_experimental_code | function |
| getsfcode | function | setattribute | function |
| getskip | function | setbox | function |
| gettoks | function | setcatcode | function |
| getuccode | function | setcount | function |
| hashtokens | function | setdelcode | function |
| ifs | data table | setdimen | function |
| inicalcodes | number | setlccode | function |
| init_rand | function | setlist | function |
| iscount | function | setmath | 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 |
| tpbcatcodes | 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 | 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 handler
F set

breakpoints table

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

cases table

T actions
F handler
F register
F set

characteralign table

F handler
F resetcharacteralign
F setcharacteralign

characters table

F handler
F replacensp
F replacenspaces

checkers table

F handler
F reset
F set

cleaners table

F handler
F set

digits table

T actions
F handler
F set

directions table

F getfences
F getglobal
F getmethod
F handler
T handlers

F installhandler

F processmath

F set

F setcolor

F setmath

F tomode

firstlines table

T actions
F default
F line
F word

F handler

F set

initials table

T actions
F default

F handler

F set

italics table

F forcevariant

F handler

F reset

F set

kerns table

D factors

F handler

F keepligature

B keptogether

D mapping

F set

manipulators table

F apply

F applyspecification

T methods

F 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
- F utf16_to_utf8_be
- F utf16_to_utf8_le
- F utf32_to_utf8
- F utf32_to_utf8_be
- F utf32_to_utf8_le
- F utf8_to_utf16
- F utf8_to_utf16_be
- F utf8_to_utf16_le
- F utf8_to_utf8
- 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 splitthousands
F stepper
F stripped_settings_to_array
F unittotex
F unittotxml

report function

sequencers table

F appendaction
F appendgroup
F compile
F disableaction

| | |
|-----------------------|------------------------|
| F disablegroup | U retain and no empty |
| F enableaction | F striplines |
| F enablegroup | F striplong |
| D functions | F tabtospace |
| F localize | T tracers |
| F new | tables table |
| F nodeprocessor | F accesstable |
| F prependaction | F definedtable |
| F prependgroup | F definetable |
| F removeaction | F encapsulate |
| F setkind | F insertaftervalue |
| F tostring | F insertbeforevalue |
| setters table | F migratetable |
| F disable | F removevalue |
| F enable | templates table |
| F initialize | F load |
| F list | F replace |
| F new | F replacer |
| F register | F resolve |
| F report | |
| F reset | |
| 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 prune | |
| U prune and collapse | |
| U prune and no empty | |
| U retain | |
| U retain 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 | index | function |
| F position | inheritedconvert | function |
| F reverse | inject | function |
| F stripped | inject_element | function |
| F tag | inject_element_after | function |
| F tags | inject_element_before | function |
| F text | injectafter | function |
| F upper | injectbefore | function |
| F upperall | insert | function |
| T xml | insert_element | function |
| F all | insert_element_after | function |
| F att | insert_element_before | function |
| F attribute | insertafter | function |
| F attributes | insertbefore | function |
| F cdata | insertcomment | function |
| F chainattribute | inspect | function |
| F count | is_valid | function |
| F default | kind | function |
| F elements | last | function |
| F empty | load | function |
| F first | lpath | function |
| F function | lpathcached | function |
| F index | lpathcalls | function |
| F last | lshow | function |
| F lowerall | makestandalone | function |
| F match | match | function |
| F name | name | function |
| F position | newhandlers | function |
| F reverse | nodesettostring | function |

| | | | |
|----------------------------|---------------------|---------------------------|----------|
| originalload | function | stripelement | function |
| package | function | stripleadingspaces | function |
| parent | function | table | function |
| parsedentitylpeg | userdata | text | function |
| pihandlers | table | textonly | function |
| placeholders | table | texttocdata | function |
| F unknown_any_entity | | tocdata | function |
| F unknown_dec_entity | | toelement | function |
| F unknown_hex_entity | | tostring | function |
| position | function | toxml | function |
| privatecodes | table | tprint | function |
| privatetoken | function | traverse | function |
| process | function | unescaped | function |
| process_attributes | function | unprivatized | function |
| process_elements | function | withelement | function |
| processattributes | function | withelements | function |
| profiled | table | wrap | function |
| raw | function | xmlns | table |
| registerentity | function | | |
| 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 | | |
| sethandlersfunction | function | | |
| setproperty | function | | |
| settings | function | | |
| specialhandler | table | | |
| sprint | function | | |
| string | function | | |
| strip | function | | |
| strip_whitespace | function | | |

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 |