

1 attributes backends bibtex 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 global graphics **gzip** img
interactions interfaces **io** job **lang**
languages layouts **lfs** libraries lmx logs
lpdf **lpeg** **ltn12** **lua** luatex lxml **math**
mathematics **md5** metapost **mime** moduledata
modules **mplib** noads **node** nodes number **os**
package pagebuilders parametersets **pdf**
physics **profiler** regimes resolvers
scripts set **socket** sorters statistics
status storage streams **string** structures
table tex texconfig **texio** token tokens
tracers trackers typesetters **unicode** url
utilities vf visualizers xml **zip** **zlib**

ConTEXt MkIV

global (alias: _G)

| | | | |
|----------------|----------|-----------------|----------|
| 1 | table | gcinfo | function |
| arg | table | getfenv | function |
| assert | function | getmetatable | function |
| attributes | table | getreadfilename | function |
| backends | table | global | table |
| beginpage | function | graphics | table |
| bibtex | table | gzip | table |
| blobs | table | img | table |
| boolean | table | inspect | function |
| buffers | table | interactions | table |
| builders | table | interfaces | table |
| caches | table | io | table |
| callback | table | ipairs | function |
| callbacks | table | job | table |
| catcodes | table | lang | table |
| characters | table | languages | table |
| chemistry | table | layouts | table |
| collectgarbage | function | lfs | table |
| commands | table | libraries | table |
| containers | table | lmx | table |
| context | function | load | function |
| converters | table | loadfile | function |
| coroutine | table | loadstring | function |
| ctxrunner | table | logs | table |
| debug | table | lpdf | table |
| dimen | function | lpeg | table |
| dir | table | ltn12 | table |
| directives | table | lua | table |
| document | table | luatex | table |
| documentdata | table | lxml | table |
| dofile | function | math | table |
| endpage | function | mathematics | table |
| environment | table | md5 | table |
| epdf | table | metapost | table |
| error | function | mime | table |
| experiments | table | module | function |
| figures | table | moduledata | table |
| file | table | modules | table |
| floats | table | mplib | table |
| font | table | newline | function |
| fontloader | table | newproxy | function |
| fonts | table | next | function |

| | | | |
|--------------------------------|-----------------------|-------------------------------|-----------------------|
| <code>noads</code> | <code>table</code> | <code>streams</code> | <code>table</code> |
| <code>node</code> | <code>table</code> | <code>string</code> | <code>table</code> |
| <code>nodes</code> | <code>table</code> | <code>stripmath</code> | <code>function</code> |
| <code>number</code> | <code>table</code> | <code>structures</code> | <code>table</code> |
| <code>os</code> | <code>table</code> | <code>table</code> | <code>table</code> |
| <code>outputpagetree</code> | <code>function</code> | <code>tex</code> | <code>table</code> |
| <code>package</code> | <code>table</code> | <code>texconfig</code> | <code>table</code> |
| <code>pagebuilders</code> | <code>table</code> | <code>texio</code> | <code>table</code> |
| <code>pairs</code> | <code>function</code> | <code>toboollean</code> | <code>function</code> |
| <code>parametersets</code> | <code>table</code> | <code>tocontext</code> | <code>function</code> |
| <code>pcall</code> | <code>function</code> | <code>token</code> | <code>table</code> |
| <code>pdf</code> | <code>table</code> | <code>tokens</code> | <code>table</code> |
| <code>physics</code> | <code>table</code> | <code>tonumber</code> | <code>function</code> |
| <code>print</code> | <code>function</code> | <code>tostring</code> | <code>function</code> |
| <code>profiler</code> | <code>table</code> | <code>trace_characters</code> | <code>boolean</code> |
| <code>protect</code> | <code>function</code> | <code>traceback</code> | <code>function</code> |
| <code>rawequal</code> | <code>function</code> | <code>tracers</code> | <code>table</code> |
| <code>rawget</code> | <code>function</code> | <code>trackers</code> | <code>table</code> |
| <code>rawset</code> | <code>function</code> | <code>type</code> | <code>function</code> |
| <code>regimes</code> | <code>table</code> | <code>typesetters</code> | <code>table</code> |
| <code>report_characters</code> | <code>function</code> | <code>unicode</code> | <code>table</code> |
| <code>require</code> | <code>function</code> | <code>unpack</code> | <code>function</code> |
| <code>resolvers</code> | <code>table</code> | <code>url</code> | <code>table</code> |
| <code>scripts</code> | <code>table</code> | <code>utf</code> | <code>table</code> |
| <code>select</code> | <code>function</code> | <code>utilities</code> | <code>table</code> |
| <code>set</code> | <code>table</code> | <code>vf</code> | <code>table</code> |
| <code>setfenv</code> | <code>function</code> | <code>visualizers</code> | <code>table</code> |
| <code>setmetatable</code> | <code>function</code> | <code>xml</code> | <code>table</code> |
| <code>socket</code> | <code>table</code> | <code>xmlconvert</code> | <code>function</code> |
| <code>sorters</code> | <code>table</code> | <code>xpcall</code> | <code>function</code> |
| <code>statistics</code> | <code>table</code> | <code>zip</code> | <code>table</code> |
| <code>status</code> | <code>table</code> | <code>zlib</code> | <code>table</code> |
| <code>storage</code> | <code>table</code> | | |

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 hsvtorgb
F hsvtorgb
F iccprofile
F isblack
N main
S model
F mpcolor
F mpoptions
U none
F popset

F pushset
F register
D registered
F registerspotcolor
F rgb
F rgbtocmyk
F rgbtorgb
F rgbtohsb
N selector
F setlist
F setmodel
D sets
F spot
F spotcolorname
F spotcolorparent
F spotcolorvalue
B supported
F transparencycomponents
B triggering
F usecolors
F value
D values
B weightgray

define function effects table

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

handlers table list data table names data table negatives table

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

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

backends (context)

| | | | |
|-----------------------|-------------------------------|------------------|---------------------------|
| codeinjections | table | | F registeredsymbol |
| | F synchronizecolormodel | | F registerpagecloseaction |
| current | string | | F registerpageopenaction |
| defaults | table | | F registersymbol |
| | T codeinjections | | F setfieldcalculationset |
| | T nodeinjections | | F setfigurealternative |
| | T registrations | | F setfigurecolospace |
| | D tables | | F setfiguremask |
| install | function | | F setformat |
| nodeinjections | table | | F setformsmethod |
| | F restore | | F setpagetransition |
| | F save | | F setupcanvas |
| | F transform | | F setupidentity |
| nothing | function | | F setxmpfile |
| pdf | table | | F startlayer |
| | T codeinjections | | F stoplayer |
| | F addbookmarks | | F supportedformats |
| | F attachmentid | | F useviewerlayer |
| | F clonefield | | F validfield |
| | F definefield | | F validfieldcategory |
| | F definefieldset | | F validfieldset |
| | F defineviewerlayer | S comment | |
| | F embedfile | T nodeinjections | |
| | F enabletags | F addtags | |
| | F exportformdata | F attachfile | |
| | F finalizepage | F cmykcolor | |
| | F finishreference | F comment | |
| | F getdefaultfieldvalue | F destination | |
| | F getfieldcategory | F effect | |
| | F getfieldset | F graycolor | |
| | F getformatoption | F injectbitmap | |
| | F getoutputfilename | F insertmovie | |
| | F getpreviewfigure | F insertsound | |
| | F insertrenderingwindow | F insertswf | |
| | F mergereferences | F insertu3d | |
| | F mergeviewerlayers | F knockout | |
| | F prerollreference | F negative | |
| | F presetsymbol | F overprint | |
| | F presetsymbollist | F positive | |
| | F processrendering | F reference | |
| | F registerdocumentcloseaction | F rgbcolor | |
| | F registerdocumentopenaction | F spotcolor | |

| | | |
|-------------------------|---------------|-------|
| F startlayer | T gray | |
| F stoplayer | T green | |
| F transparency | T red | |
| F typesetfield | T rulecolors | |
| T registrations | T black | |
| F cmykindexcolor | T blue | |
| F cmykspotcolor | T gray | |
| F getspotcolorreference | T green | |
| F grayindexcolor | T paleblue | |
| F grayspotcolor | T palegray | |
| F rgbindexcolor | T palegreen | |
| F rgbspotcolor | T palered | |
| F spotcolorname | T red | |
| F transparency | F startslant | |
| T tables | T stopslant | |
| T vfspecials | registrations | table |
| T black | tables | table |
| T blue | | |

bibtex (context)

| | | | |
|----------------------------|----------|-------------------------|----------|
| authorref | function | F flush | |
| authors | table | F nofregistered | |
| F concat | | F process | |
| F inverted | | F register | |
| F invertedshort | | F registerplaced | |
| F normal | | F reset | |
| F normalshort | | F resolve | |
| F setsettings | | load | function |
| F short | | new | function |
| authoryearref | function | singularorplural | function |
| authoryearsref | function | statistics | table |
| convert | function | N nofbytes | |
| hacks | table | N nofdefinitions | |
| F add | | N nofshortcuts | |
| F doifalreadyplaced | | toxml | function |
| F filterall | | | |

blobs (context)

| | |
|------------|----------|
| append | function |
| dimensions | function |
| dispose | function |

| | |
|-------|----------|
| new | function |
| pack | function |
| write | function |

boolean (context)

tocontext function

tonumber function

buffers (context)

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

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 default
 F oneline

 D names
 D numbers
 F set
 F start
 F stop
F keptogether
F registertogether
T solutions
 T splitters
 F define

 F optimize
 T registered
 F reset
 F set
 F split
 F start
 F stop

 F tag

vspacing table

 F analyze
 D categories
 F collapsevbox
 T data
 D map
 D skip
 D snapmethods
 F definesnapmethod
 B fixed
 F pagehandler
 F setmap
 F setskip
 F snapbox
 F tocategories
 F tocategory
 F vboxhandler

cache (context)

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

callback (basic tex)

`find` `function`
`list` `function`

`register` `overloaded function`

callbacks (context)

| | |
|--------|------------|
| freeze | function |
| known | function |
| list | data table |
| pop | function |

| | |
|----------|----------|
| push | function |
| register | function |
| report | function |
| table | function |

catcodes (context)

names data table
numbers data table

register function

characters (context)

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

chemistry (context)

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

commands (context)

| | | | |
|---------------------------|----------|------------------------|----------|
| Alphabetic | function | autonextspace | function |
| Character | function | autonextstructurelevel | function |
| Characters | function | autosetups | function |
| MPc | function | autostarttext | function |
| MPd | function | autostoptext | function |
| MPh | function | bcolumn | function |
| MPll | function | boolcase | function |
| MPlr | function | character | function |
| MPls | function | characters | function |
| MPn | function | checkcharactersinfont | function |
| MPp | function | checkcountersetup | function |
| MPpardata | function | checkedconversion | function |
| MPplus | function | checkedpagefloat | function |
| MPpos | function | checktwopassdata | function |
| MPposset | function | chemicalcomponent | function |
| MPr | function | chineseallnumerals | function |
| MPrest | function | chinesecapnumerals | function |
| MPrs | function | chinesenumerals | function |
| MPul | function | cleanfontname | function |
| MPur | function | cleanupplayers | function |
| MPw | function | clonefield | function |
| MPx | function | collectfloat | function |
| MPxy | function | collecthelp | function |
| MPxywhd | function | colorcomponents | function |
| MPy | function | concatcommalist | function |
| Romannumerals | function | consultfloat | function |
| abjadnodotnumerals | function | copyfileto log | function |
| abjadnumerals | function | copyposition | function |
| addcounter | function | countervalue | function |
| addff | function | counttwopassdata | function |
| addfs | function | currentcomponent | function |
| addlinklistelement | function | currentdate | function |
| addtojavascriptpreamble | function | currentenvironment | function |
| addtolist | function | currentproduct | function |
| allinputpaths | function | currentproject | function |
| alphabetic | function | currentreferenceorder | function |
| analysefloatmethod | function | currentregime | function |
| analyzelist | function | datasetvariable | function |
| applytochars | function | dayname | function |
| applytowords | function | defineattribute | function |
| assignbuffer | function | definebibtexsession | function |
| autofinishstructurelevels | function | definebreakpoint | function |

| | | | |
|-------------------------|----------|-------------------------------|----------|
| definebreakpoints | function | doifdimenstringelse | function |
| definecharacterspacing | function | doifdrawingblackelse | function |
| definechemical | function | doifelse | function |
| defineconversion | function | doifelsebuffer | function |
| definecounter | function | doifelsecounter | function |
| definedviewerlayer | function | doifelsecurrentfonthasfeature | function |
| definefield | function | doifelseintwopassdata | function |
| definefieldset | function | doifelsemarking | function |
| definefilefallback | function | doifelsemessage | function |
| definefilesynonym | function | doifelsemultipar | function |
| definefont_one | function | doifelseparallel | function |
| definefont_two | function | doifelsepositionsused | function |
| definefontfeature | function | doifelserangeonpage | function |
| definefontsolution | function | doifelserereference | function |
| defineinsertion | function | doifelsesavedfloat | function |
| defineintermediatecolor | function | doifelsespaces | function |
| definelabels | function | doifelseutfmathaccent | function |
| definelanguage | function | doifelsevisualizer | function |
| definelinkedlist | function | doiffielddcategoryelse | function |
| definemarking | function | doiffielddelse | function |
| definemultitonecolor | function | doiffielddsetelse | function |
| definernote | function | doiffiledefinedelse | function |
| defineparallel | function | doiffileexistelse | function |
| defineparbuilder | function | doiffirstcharelse | function |
| defineprocesscolor | function | doifinputfileelse | function |
| defineprogram | function | doifinsetelse | function |
| definereference | function | doifleapyearelse | function |
| definesectionlevels | function | doiflisthasentry | function |
| definespotcolor | function | doiflisthasnumberelse | function |
| definestructureblock | function | doiflisthaspageelse | function |
| definestructureset | function | doiflisthastitleelse | function |
| definetransparency | function | doiflocfileelse | function |
| definetwopasslist | function | doifnot | function |
| defineviewerlayer | function | doifnotcounter | function |
| defrostrandomseed | function | doifnotecontent | function |
| digits | function | doifnoteonsamepageasprevious | function |
| disableparbuilder | function | doifobjectreferencefoundelse | function |
| disableregime | function | doifolderversionelse | function |
| disablesPELLchecking | function | doifoverlappingelse | function |
| discardfromlist | function | doifparentfileelse | function |
| doanalyzeframedbox | function | doifposition | function |
| doif | function | doifpositionelse | function |
| doifblackelse | function | doifpositiononpage | function |
| doifcommonelse | function | doifpositionsonsamepageelse | function |
| doifcounter | function | doifpositionsonthispageelse | function |

| | | | |
|--------------------------|----------|-----------------------------|----------|
| doifurldefinedelse | function | fontcollectionreport | function |
| doprocessstypescriptfile | function | fontcollectionreset | function |
| doreshapeframedbox | function | fontlookupgetkey | function |
| dostarttextfile | function | fontlookupgetkeyofindex | function |
| dostoptextfile | function | fontlookupinitialize | function |
| ecolumn | function | fontlookupnofound | function |
| elapsedtime | function | forceendjob | function |
| enablecolor | function | forcequitjob | function |
| enablecolorintents | function | format | function |
| enablefontcolorschemas | function | formatcolor | function |
| enableparbuilder | function | formatgray | function |
| enableregime | function | freezerandomseed | function |
| enablespellchecking | function | from | function |
| enabletransparency | function | getbuffer | function |
| enhancelinkedlist | function | getbufferctxlua | function |
| enhancelist | function | getbuffermkvi | function |
| enhancereference | function | getcommandline | function |
| erasebuffer | function | getctxfile | function |
| expandcurrentreference | function | getcurrentprefixspec | function |
| exportformdata | function | getcurrentreferencemetadata | function |
| exportreferences | function | getdefaultfieldvalue | function |
| featureattribute | function | getfieldcategory | function |
| featurelist | function | getfirstcharacter | function |
| feedback | function | getfirsttwopassdata | function |
| fetchallmarks | function | getfloatvariable | function |
| fetchmultipar | function | getinternalreference | function |
| fetchmultishape | function | getlasttwopassdata | function |
| fetchonemark | function | getmarking | function |
| fetchposboxes | function | getmessage | function |
| fetchtwomarks | function | getnotestate | function |
| filterdefaultreference | function | getprivateattribute | function |
| filterreference | function | getprivatechar | function |
| finalizebox | function | getprogram | function |
| findtwopassdata | function | getrandomcounta | function |
| firstcountinterval | function | getrandomcountb | function |
| firstinset | function | getrandomseed | function |
| flushfloat | function | getreadfilename | function |
| flushnotes | function | gettexbuffer | function |
| flushpostponedblocks | function | gettwopassdata | function |
| flushpostponednotes | function | gettwopassdatalist | function |
| fontchar | function | geturl | function |
| fontcollectionclone | function | grabbuffer | function |
| fontcollectiondefine | function | helpaction | function |
| fontcollectionprepare | function | helpreference | function |
| fontcollectionregister | function | hexstringtonumber | function |

| | | | |
|------------------------|----------|----------------------------|----------|
| hour | function | mathrenderset | function |
| hyphenatedlist | function | maxitemwidth | function |
| hyphenatedurl | function | minute | function |
| D characters | | mixcleanup | function |
| N lefthyphenmin | | mixfinalize | function |
| D mapping | | mixflushlist | function |
| N righthyphenmin | | mixflushrest | function |
| F setcharacters | | mixgetsplit | function |
| incrementedcounter | function | mixsetsplit | function |
| initializetextrackers | function | mixstate | function |
| injectcurrentreference | function | molecule | function |
| injectreference | function | month | function |
| inlinechemical | function | monthmnm | function |
| insertattachment | function | monthname | function |
| insertcomment | function | mpcolor | function |
| insertfield | function | mpoptions | function |
| insertionnumber | function | namedstructureuservariable | function |
| insertrenderingwindow | function | namedstructurevariable | function |
| insertsoundclip | function | nbfs | function |
| installedlanguages | function | nextcountervalue | function |
| installtextracker | function | nextparallel | function |
| languagenumber | function | nofdays | function |
| lastcountervalue | function | nofitems | function |
| lchexnumber | function | nofstackedfloats | function |
| lchexnumbers | function | notedeltapage | function |
| leapyear | function | notelistindex | function |
| linenumbersstageone | function | notenumberpage | function |
| linenumbersstagetwo | function | noteprefixednumber | function |
| listlabel | function | notesymbolpage | function |
| listlocation | function | notetitle | function |
| listprefixednumber | function | ntimes | function |
| listprefixedpage | function | number | function |
| listrealpage | function | numbers | function |
| listsize | function | objectnumber | function |
| listtitle | function | objectpage | function |
| listuserdata | function | octnumber | function |
| loadexamodes | function | octstringtonumber | function |
| loadfontgoodies | function | ordinal | function |
| loadspellchecklist | function | overloadbookmark | function |
| loadtypescriptfile | function | pagestaterealpage | function |
| loadvisualizer | function | parpos | function |
| locatefilepath | function | pdfrotation | function |
| locfilename | function | percentageof | function |
| logoptions | function | pgfxcolorspec | function |
| markregionbox | function | placeparallel | function |

| | | | |
|-----------------------|----------|----------------------------|----------|
| popfloat | function | registerlinenumbering | function |
| popitaliccorrection | function | registermaintextcolor | function |
| poplist | function | registernamespace | function |
| popregime | function | registerpostponedblock | function |
| popsectionblock | function | registerrendering | function |
| pos | function | registersoundclip | function |
| posplus | function | registerstructureprocessor | function |
| posstrut | function | registertransparency | function |
| postponenotes | function | registerunit | function |
| poswhd | function | relatemarking | function |
| posxy | function | removemissingcharacters | function |
| prepareMPvariable | function | renderingvar | function |
| preparebibtexsession | function | replacemissingcharacters | function |
| preparedfile | function | replacepospxywhd | function |
| presetsymbollist | function | resavefloat | function |
| presettabulate | function | resetcounter | function |
| prevcountervalue | function | resetfontfeature | function |
| processbuffer | function | resetfontsolution | function |
| processedfile | function | resetmarking | function |
| processedfiles | function | resetmathitalics | function |
| processfile | function | resetnullfont | function |
| processfilemany | function | resetparallel | function |
| processfilenone | function | resetreference | function |
| processfileonce | function | resetstructureprocessor | function |
| processlist | function | resettimer | function |
| pushfloat | function | restartcounter | function |
| pushitaliccorrection | function | restore | function |
| pushlist | function | restorecounter | function |
| pushregime | function | restorecurrentattributes | function |
| pushsectionblock | function | romannumerals | function |
| rawcharacter | function | runbuffer | function |
| rawcountervalue | function | safechar | function |
| rawdate | function | savebuffer | function |
| referencepagestate | function | savecounter | function |
| referencecerealpage | function | savecurrentattributes | function |
| registerattachment | function | savedlistnumber | function |
| registerbibtexentry | function | savedlistprefixednumber | function |
| registerbibtexfile | function | savedlisttitle | function |
| registerbookmark | function | savefloat | function |
| registerbuttons | function | savenote | function |
| registercolor | function | saveobject | function |
| registercolorintent | function | saveparallel | function |
| registeredviewerlayer | function | savestructureblock | function |
| registerhelp | function | savetaggedtwopassdata | function |
| registeritemgroup | function | savetwopassdata | function |

| | | | |
|--------------------------|----------|-------------------------|----------|
| second | function | setopenpageaction | function |
| selectstructureblock | function | setowncounter | function |
| setbreakpoints | function | setpagestate | function |
| setcharactercasing | function | setpagestaterealpageno | function |
| setcharactercleaning | function | setpagetransition | function |
| setcharacterkerning | function | setparbuilder | function |
| setcharacterspacing | function | setpos | function |
| setcharacterstripping | function | setrandomseed | function |
| setcloseddocumentaction | function | setrealign | function |
| setclosepageaction | function | setreferencearguments | function |
| setcolormodel | function | setreferenceattribute | function |
| setcounter | function | setreferenceoperation | function |
| setdataset | function | setsectionblock | function |
| setdigitsmanipulation | function | setstructureblockstate | function |
| setdirection | function | settagcombination | function |
| setdocumentenvironments | function | settagdescription | function |
| setdocumentmodes | function | settagdescriptionsymbol | function |
| setdocumentmodules | function | settagfigure | function |
| setfigurelookuporder | function | settaghighlight | function |
| setfontfeature | function | settagitemgroup | function |
| setfontofid | function | settagproperty | function |
| setfontsolution | function | settagsorting | function |
| setformat | function | settagsynonym | function |
| setformsmethod | function | settagtablecell | function |
| setinsertionlocation | function | settagtabulatecell | function |
| setinterfaceconstant | function | setupbookmarks | function |
| setinterfaceelement | function | setupcanvas | function |
| setinterfacemessage | function | setupcharacterspacing | function |
| setinterfacemessages | function | setupexport | function |
| setinterfacevariable | function | setupfontexpansion | function |
| setinternalreference | function | setupfontprotrusion | function |
| setlanguageexceptions | function | setupidentity | function |
| setlanguagesynonym | function | setupinsertion | function |
| setlayer | function | setupitaliccorrection | function |
| setmarking | function | setuplinenumbering | function |
| setmathalphabet | function | setvisual | function |
| setmathalternate | function | setxmpfile | function |
| setmathattribute | function | showassignerror | function |
| setmathitalics | function | showattributes | function |
| setmathstyle | function | showchardata | function |
| setnextinternalreference | function | showcounter | function |
| setnotestate | function | showfontparameters | function |
| setnotesymbolpage | function | showhyphenatedinlist | function |
| setobject | function | showmessage | function |
| setopendocumentaction | function | splitfilename | function |

| | | | |
|---------------------------|----------|------------------------|----------|
| spotcolorname | function | testcase | function |
| spotcolorparent | function | textime | function |
| spotcolorvalue | function | transparencycomponents | function |
| startchemical | function | triggereffect | function |
| startcolorset | function | triggernegative | function |
| startcomponent | function | truefilename | function |
| startenvironment | function | typebuffer | function |
| startfontsolution | function | typefile | function |
| startparbuilder | function | typestring | function |
| startproduct | function | uchexnumber | function |
| startproject | function | uchexnumbers | function |
| startregime | function | undefinechemical | function |
| startsectionlevel | function | unicodechar | function |
| starttag | function | unit | function |
| starttext | function | unloadlanguage | function |
| startviewerlayer | function | updatefilenames | function |
| stopchemical | function | useMPLibrary | function |
| stopcolorset | function | useanyfile | function |
| stopcomponent | function | usecldfilename | function |
| stopenvironment | function | usecolors | function |
| stopfontsolution | function | usecomponent | function |
| stopparbuilder | function | useenvironment | function |
| stopproduct | function | usefile | function |
| stopproject | function | usejavascriptpreamble | function |
| stopregime | function | usejavascriptscripts | function |
| stopsectionlevel | function | uselibrary | function |
| stoptag | function | useluafile | function |
| stoptext | function | usemodules | function |
| stopviewerlayer | function | usepath | function |
| storejavascriptcode | function | useproduct | function |
| storejavascriptpreamble | function | useproject | function |
| storenote | function | usesubpath | function |
| structureautocatcodedget | function | usesymbols | function |
| structurecatcodedget | function | usetexfile | function |
| structuregivencatcodedget | function | useurl | function |
| structurenumber | function | usexmlfile | function |
| structuretitle | function | usezipfile | function |
| structureuservariable | function | utfchar | function |
| structurevariable | function | utfmathclass | function |
| subcountervalues | function | utfmathcommand | function |
| subff | function | utfmathfiller | function |
| subfs | function | utfmathstretch | function |
| synchronizcolormodel | function | visual | function |
| synchronizemarking | function | vspacing | function |
| taggedmathfunction | function | vspacingcollapse | function |

| | | |
|--------------------------------|--|-----------------------|
| <code>vspacingdefine</code> | <code>function x_table_init_construct</code> | <code>function</code> |
| <code>vspacingsetamount</code> | <code>function x_table_init_reflow_height</code> | <code>function</code> |
| <code>vspacingsnap</code> | <code>function x_table_init_reflow_width</code> | <code>function</code> |
| <code>weekday</code> | <code>function x_table_next_row</code> | <code>function</code> |
| <code>weekdayname</code> | <code>function x_table_reflow_height</code> | <code>function</code> |
| <code>widthofstring</code> | <code>function x_table_reflow_width</code> | <code>function</code> |
| <code>writestatus</code> | <code>function x_table_set_construct</code> | <code>function</code> |
| <code>x_table_cleanup</code> | <code>function x_table_set_reflow_height</code> | <code>function</code> |
| <code>x_table_construct</code> | <code>function x_table_set_reflow_width</code> | <code>function</code> |
| <code>x_table_create</code> | <code>function year</code> | <code>function</code> |
| <code>x_table_flush</code> | <code>function</code> | |

containers (context)

`cleanname` `function`
`content` `function`
`define` `function`
`is_usable` `function`

`is_valid` `function`
`read` `function`
`usecache` `boolean`
`write` `function`

converters (context)

| | | | |
|--------------------|----------|-------------------|------------|
| Alphabetic | function | maxchars | function |
| Character | function | minute | function |
| Characters | function | month | function |
| Romannumerals | function | nofdays | function |
| abjadnodotnumerals | function | number | function |
| abjadnumbers | function | numbers | function |
| alphabetic | function | octnumber | function |
| character | function | octstringtonumber | function |
| characters | function | ordinal | function |
| chineseallnumerals | function | rawcharacter | function |
| chinesecapnumerals | function | romannumerals | function |
| chinesenumerals | function | second | function |
| chr | function | sequences | data table |
| chrs | function | textime | function |
| convert | function | toabjad | function |
| define | function | tochinese | function |
| hexstringtonumber | function | toroman | function |
| hour | function | uchexnumber | function |
| isleapyear | function | uchexnumbers | function |
| lchexnumber | function | weekday | function |
| lchexnumbers | function | year | function |
| leapyear | function | | |

coroutine (basic lua)

| | | | |
|-------------------------|----------|----------------------|----------|
| <code>coco</code> | boolean | <code>running</code> | function |
| <code>create</code> | function | <code>status</code> | function |
| <code>cstacksize</code> | function | <code>wrap</code> | function |
| <code>resume</code> | function | <code>yield</code> | function |

ctxrunner (context)

load function
prepfiles data table

resolve function

debug (basic lua)

| | | | |
|---------------------------|----------|---------------------------|----------|
| <code>debug</code> | function | <code>getupvalue</code> | function |
| <code>getfenv</code> | function | <code>setfenv</code> | function |
| <code>gethook</code> | function | <code>sethook</code> | function |
| <code>getinfo</code> | function | <code>setlocal</code> | function |
| <code>getlocal</code> | function | <code>setmetatable</code> | function |
| <code>getmetatable</code> | function | <code>setupvalue</code> | function |
| <code>getregistry</code> | function | <code>traceback</code> | function |

dir (context)

| | |
|----------------|----------|
| collectpattern | function |
| current | function |
| expandname | function |
| glob | function |
| globfiles | function |
| globpattern | function |

| | |
|----------|----------|
| ls | function |
| makedirs | function |
| makedirs | function |
| pop | function |
| push | function |

directives (context)

| | |
|----------------------|------------|
| <code>data</code> | data table |
| <code>disable</code> | function |
| <code>enable</code> | function |
| <code>list</code> | function |

| | |
|-----------------------|----------|
| <code>name</code> | string |
| <code>register</code> | function |
| <code>report</code> | function |
| <code>show</code> | function |

document (context)

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

environment (context)

| | | | |
|---------------------|------------|------------------------|------------|
| argument | function | luafile | function |
| arguments | data table | luafilechunk | function |
| default_texmfcnf | string | originalarguments | data table |
| engineflags | data table | outputfilename | string |
| files | table | ownbin | string |
| filesynonyms | data table | ownname | string |
| getargument | function | ownpath | string |
| homedir | string | rawarguments | data table |
| initex | boolean | reconstructcommandline | function |
| initializearguments | function | setargument | function |
| inputfilebarename | string | splitarguments | function |
| inputfilename | string | texfile | function |
| inputfilesuffix | string | texmfos | string |
| jobfilename | string | texos | string |
| jobfilesuffix | string | texroot | string |
| loadluafile | function | truefilename | function |

epdf (extra tex)

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

experiments (context)

| | |
|----------------------|------------|
| <code>data</code> | data table |
| <code>disable</code> | function |
| <code>enable</code> | function |
| <code>list</code> | function |

| | |
|-----------------------|----------|
| <code>name</code> | string |
| <code>register</code> | function |
| <code>report</code> | function |
| <code>show</code> | function |

figures (context)

| | | | |
|---------------|------------|------------------|------------|
| applyratio | function | hash | function |
| bases | table | identifiers | data table |
| B enabled | | identify | function |
| F find | | include | function |
| T found | | includers | data table |
| T list | | initialize | function |
| F locate | | loaded | data table |
| F use | | localpaths | data table |
| T used | | magics | data table |
| bitmapimage | function | mergegoodies | function |
| boxnumber | number | nofprocessed | number |
| cachepaths | data table | paths | data table |
| check | function | patterns | data table |
| checkers | data table | pop | function |
| converters | data table | preferquality | boolean |
| current | function | programs | data table |
| defaultdepth | number | push | function |
| defaultheight | number | registerpattern | function |
| defaultsearch | boolean | registerresource | function |
| defaultwidth | number | registersuffix | function |
| done | function | resources | data table |
| dummy | function | scale | function |
| existsers | data table | setlookups | function |
| exists | function | setorder | function |
| formats | data table | setpaths | function |
| found | data table | suffixes | data table |
| get | function | tprint | function |
| guess | function | used | data table |

file (basic lua)

| | | | |
|--------------------------------|-----------------------|-----------------------------|-----------------------|
| <code>addsuffix</code> | <code>function</code> | <code>nameonly</code> | <code>function</code> |
| <code>basename</code> | <code>function</code> | <code>nametotable</code> | <code>function</code> |
| <code>checksum</code> | <code>function</code> | <code>needs_updating</code> | <code>function</code> |
| <code>collapsepath</code> | <code>function</code> | <code>needsupdating</code> | <code>function</code> |
| <code>copy</code> | <code>function</code> | <code>readdata</code> | <code>function</code> |
| <code>dirname</code> | <code>function</code> | <code>removesuffix</code> | <code>function</code> |
| <code>expandname</code> | <code>function</code> | <code>replacesuffix</code> | <code>function</code> |
| <code>extname</code> | <code>function</code> | <code>robustname</code> | <code>function</code> |
| <code>is_qualified_path</code> | <code>function</code> | <code>savechecksum</code> | <code>function</code> |
| <code>is_readable</code> | <code>function</code> | <code>savedata</code> | <code>function</code> |
| <code>is_rootbased_path</code> | <code>function</code> | <code>splitbase</code> | <code>function</code> |
| <code>is_writable</code> | <code>function</code> | <code>splitname</code> | <code>function</code> |
| <code>isreadable</code> | <code>function</code> | <code>splitpath</code> | <code>function</code> |
| <code>iswritable</code> | <code>function</code> | <code>strip</code> | <code>function</code> |
| <code>join</code> | <code>function</code> | <code>suffix</code> | <code>function</code> |
| <code>joinpath</code> | <code>function</code> | <code>syncmtimes</code> | <code>function</code> |
| <code>loadchecksum</code> | <code>function</code> | | |

floats (context)

| | | | |
|-------------------------------|-----------------------|-------------------------|-----------------------|
| <code>analysemethod</code> | <code>function</code> | <code>nofstacked</code> | <code>function</code> |
| <code>checkedpagefloat</code> | <code>function</code> | <code>pop</code> | <code>function</code> |
| <code>collect</code> | <code>function</code> | <code>push</code> | <code>function</code> |
| <code>consult</code> | <code>function</code> | <code>resave</code> | <code>function</code> |
| <code>flush</code> | <code>function</code> | <code>save</code> | <code>function</code> |
| <code>getvariable</code> | <code>function</code> | <code>stacked</code> | <code>function</code> |

font (basic tex)

`current` function
`define` function
`each` function
`fonts` table
`frozen` function
`getfont` function

`id` function
`max` function
`nextid` function
`read_tfm` function
`read_vf` function
`setfont` function

fontloader (extra tex)

| | | | |
|--------------------------------|-----------------------|-----------------------|-----------------------|
| <code>apply_afmfile</code> | <code>function</code> | <code>info</code> | <code>function</code> |
| <code>apply_featurefile</code> | <code>function</code> | <code>open</code> | <code>function</code> |
| <code>close</code> | <code>function</code> | <code>to_table</code> | <code>function</code> |
| <code>fields</code> | <code>function</code> | <code>totable</code> | <code>function</code> |
| <code>fullinfo</code> | <code>function</code> | | |

fonts (context)

analyzers table

- D initializers
- D methods
- F setstate
- B useunicodemarks

checkers table

- F missing

cid table

- F getmap
- F loadfile

collections table

- F clonevector
- F define
- T definitions
- F prepare
- F process
- F registermain
- F report
- F reset
- T vectors

constructors table

- F aftercopyingcharacters
- F applymanipulators
- F assignmathparameters
- B autocleanup
- F beforecopyingcharacters
- D cache
- F calculatyscale
- F checkedfeatures
- F checkedfilename
- F cleanupable
- F collectprocessors
- D designsizes
- D dontembed
- F enhanceparameters
- N factor
- F finalize
- F getfeatureaction
- F hashfeatures
- F hashinstance
- T hashmethods
 - F normal

- F virtual

- F initializefeatures

- T keys

- T character

- S depth

- S height

- S italic

- S width

- T description

- T boundingbox

- S depth

- S height

- S width

- T parameters

- S ascender

- S descender

- S designsize

- T expansion

- S auto

- S shrink

- S step

- S stretch

- S extendfactor

- S factor

- S hfactor

- S mathsize

- T protrusion

- S auto

- S quad

- S scaledpoints

- S scriptpercentage

- S scriptscriptpercentage

- S size

- S slantfactor

- S slantperpoint

- T spacing

- S extra

- S shrink

- S stretch

- S width

- T synonyms

- S em

| | | |
|---------------------|-----------------------|------------|
| S ex | N version | |
| S extra_space | current | function |
| S extraspace | currentid | function |
| S slant | definers | table |
| S space | F addlookup | |
| S space_shrink | F analyze | |
| S space_stretch | F applypostprocessors | |
| S spaceshrink | F checkedmode | |
| S spacestretch | F checkedscript | |
| S x_height | F current | |
| S units | S defaultlookup | |
| S vfactor | F define | |
| S xheight | F getspecification | |
| T properties | F loadfont | |
| S autoitalicamount | F makespecification | |
| T cidinfo | T methods | |
| S embedding | F install | |
| S encodingbytes | D variants | |
| S filename | F read | |
| S finalized | F register | |
| S fontname | F registered | |
| S format | F registersplit | |
| S fullname | F resetnullfont | |
| S hasitalics | F resolve | |
| S hasmath | T resolvers | |
| S mathitalics | F file | |
| S mode | F name | |
| S name | F spec | |
| S noglyphnames | definetypeface | function |
| S nostackmath | encodings | table |
| S psname | T agl | |
| S textitalics | D cache | |
| S virtualized | F is_known | |
| D loadedfonts | D known | |
| S namemode | F load | |
| F newfeatures | F make_unicode_vector | |
| F newhandler | D math | |
| N privateoffset | N version | |
| F readanddefine | expansions | data table |
| F registerfeature | formats | data table |
| B resolvevirtualtoo | goodies | table |
| F scale | T colorschemes | |
| F scaled | F coloring | |
| F setfactor | T data | |
| F setname | F enable | |

| | |
|-------------------------|---------------|
| D data | S Ccaron |
| T designsizes | S Ccedilla |
| D data | S Ccircumflex |
| F filename | S Cdotaccent |
| F register | S Dcaron |
| F getcompositions | S Dstroke |
| T list | S Eacute |
| F compositions | S Ebreve |
| F designsizes | S Ecaron |
| F expansions | S Ecircumflex |
| F featureset | S Ediaeresis |
| F files | S Edieresis |
| F mathematics | S Edotaccent |
| F protrusions | S Egrave |
| F solutions | S Emacron |
| F typefaces | S Eogonek |
| F load | S Eumlaut |
| F prepare_features | S Gbreve |
| F register | S Gcircumflex |
| F registerpostprocessor | S Gdotaccent |
| F report | S Hcircumflex |
| handlers | S Hstroke |
| table | S IJ |
| T afm | S IJligature |
| B addkerns | S Iacute |
| B addligatures | S Ibreve |
| B addtexligatures | S Icircumflex |
| B autoprefixed | S Idiaeresis |
| D cache | S Idieresis |
| D features | S Idotaccent |
| T helpdata | S Igrave |
| T bothkerned | S Imacron |
| S AE | S Iogonek |
| S AEligature | S Itilde |
| S Aacute | S Iumlaut |
| S Abreve | S Jcircumflex |
| S Acircumflex | S Kcedilla |
| S Adiaeresis | S Lacute |
| S Adieresis | S Lcaron |
| S Agrave | S Lcedilla |
| S Amacron | S Lslash |
| S Aogonek | S Lstroke |
| S Aring | S Nacute |
| S Atilde | S Ncaron |
| S Aumlaut | S Ncedilla |
| S Cacute | |

| | |
|-----------------|---------------|
| S Ntilde | S Zcaron |
| S OE | S Zdotaccent |
| S OEligature | S aacute |
| S Oacute | S abreve |
| S Obreve | S acircumflex |
| S Ocircumflex | S adiaeresis |
| S Odiaeresis | S adieresis |
| S Odieresis | S ae |
| S Ograve | S aeligature |
| S Ohungarumlaut | S agrave |
| S Omacron | S amacron |
| S Oslash | S aogonek |
| S Ostroke | S aring |
| S Otilde | S atilde |
| S Oumlaut | S aumlaut |
| S Racute | S cacute |
| S Rcaron | S ccaron |
| S Rcedilla | S ccedilla |
| S Sacute | S ccircumflex |
| S Scaron | S cdotaccent |
| S Scedilla | S dcaron |
| S Scircumflex | S dotlessI |
| S Ssharp | S dotlessJ |
| S Tcaron | S dotlessi |
| S Tcedilla | S dotlessj |
| S Tstroke | S dstroke |
| S Uacute | S eacute |
| S Ubreve | S ebreve |
| S Ucircumflex | S ecaron |
| S Udiaeresis | S ecircumflex |
| S Udieresis | S ediaeresis |
| S Ugrave | S edieresis |
| S Uhungarumlaut | S edotaccent |
| S Umacron | S egrave |
| S Uogonek | S emacron |
| S Uring | S eogonek |
| S Utilde | S eumlaut |
| S Uumlaut | S gbreve |
| S Wcircumflex | S gcircumflex |
| S Yacute | S gdotaccent |
| S Ycircumflex | S hcircumflex |
| S Ydiaeresis | S hstroke |
| S Ydieresis | S iacute |
| S Ygrave | S ibreve |
| S Zacute | S icircumflex |

| | |
|-----------------|-----------------|
| S idiaeresis | S tstroke |
| S idieresis | S uacute |
| S idotaccent | S ubreve |
| S igrave | S ucircumflex |
| S ij | S udiaeresis |
| S ijligature | S udieresis |
| S imacron | S ugrave |
| S iogonek | S uhungarumlaut |
| S itilde | S umacron |
| S iumlaut | S uogonek |
| S jcircumflex | S uring |
| S kcedilla | S utilde |
| S lacute | S uumlaut |
| S lcaron | S wcircumflex |
| S lcedilla | S yacute |
| S lslash | S ycircumflex |
| S lstroke | S ydiaeresis |
| S nacute | S ydieresis |
| S ncaron | S ygrave |
| S ncedilla | S zacute |
| S ntilde | S zcaron |
| S oacute | S zdotaccent |
| S obreve | T leftkerned |
| S ocircumflex | S AE |
| S odiaeresis | S AEligature |
| S odieresis | S IJ |
| S oe | S IJligature |
| S oeligature | S OE |
| S ograve | S OEligature |
| S ohungarumlaut | S Ssharp |
| S omacron | S ae |
| S oslash | S aeligature |
| S ostroke | S ij |
| S otilde | S ijligature |
| S oumlaut | S oe |
| S racute | S oeligature |
| S rcaron | S ssharp |
| S rcedilla | T ligatures |
| S sacute | T f |
| S scaron | T ff |
| S scedilla | T fi |
| S scircumflex | T fl |
| S ssharp | T i |
| S tcaron | T s |
| S tcedilla | T rightkerned |

| | |
|------------------------|-----------------------------|
| S AE | D baselines |
| S AEligature | D features |
| S IJ | D languages |
| S IJligature | D scripts |
| S OE | N version |
| S OEligature | T pfb |
| S Ssharp | T tfm |
| S ae | D features |
| S aeligature | F setfeatures |
| S ij | T vf |
| S ijligature | T combinations |
| S oe | F combine |
| S oeligature | T combiner |
| S ssharp | D commands |
| T texligatures | F find |
| T endash | D helpers |
| T hyphen | D math |
| T quoteleft | D predefined |
| T quoteright | D whatever |
| F load | hashes table |
| F setfeatures | D characters |
| B syncspace | D csnames |
| N version | D descriptions |
| T otf | T dynamics |
| F addfeature | D emwidths |
| D cache | D exheights |
| T chainhandlers | D identifiers |
| F normal | D italics |
| F verbose | D lastmathids |
| F collectlookups | D marks |
| F dataset | D parameters |
| S defaultbasealternate | T processes |
| S defaultnodealternate | D properties |
| D enhancers | D quads |
| D features | D resources |
| F getalternate | T setdynamics |
| T glists | D xheights |
| F load | helpers table |
| F scriptandlanguage | F addprivate |
| F setcontextchain | F dimenfactor |
| F setdynamics | F fontpatternhassize |
| F setfeatures | F getdigitwidth |
| T statistics | F getparameters |
| D usedfeatures | F getprivatenode |
| T tables | F hasprivate |


```

F nametoslot
F setdigitwidth
F splitfontpattern
iterators           table
F characters
F descriptions
F glyphs
loggers           table
T category_to_placeholder
S ll
S lm
S lo
S lt
S lu
S mc
S me
S mn
S nd
S nl
S no
S pc
S pd
S pe
S pf
S pi
S po
S ps
S sc
S sk
S sm
S so
F format
F onetimemessage
F register
F reportdefinedfonts
F reportusedfeatures
mappings         table
F addtounicode
F fromunicode16
F loadfile
F loadline
F loadlumtable
F makenameparser
F reset
F tounicode16

```

```

F tounicode16sequence
names           table
S basename
B be_clever
D cache
F cleanfilename
F cleanname
F collect
F collectfiles
F collectspec
T data
B enabled
F exists
T filters
F afm
F dfont
T list
T names
F otf
T paths
F pfb
F ttc
F ttf
S fontconfigfile
F getfilename
F getlookupkey
F getlookups
F getpaths
F identify
F is_permitted
F list
F load
B loaded
F lookup
F noflookups
S osfontdirvariable
F readdata
F register
F registered
F resolve
F resolvedspecification
F resolvespec
B saved
F specification
D specifications

```

| | | |
|--------------------|-------------------|--|
| F | splitspec | |
| N | version | |
| F | writedata | |
| protrusions | data table | |
| readers | table | |
| F | afm | |
| F | check_lua | |
| F | check_tfm | |
| F | dfont | |
| F | lua | |
| F | opentype | |
| F | otf | |
| F | pfb | |
| D | sequence | |
| F | tfm | |
| F | ttc | |
| F | ttf | |
| specifiers | table | |

| | | |
|------------------|-------------------|--|
| D | contextmerged | |
| F | contextnumber | |
| D | contextnumbers | |
| D | contextsetups | |
| F | contexttostring | |
| F | mergecontext | |
| F | presetcontext | |
| F | registercontext | |
| F | showcontext | |
| F | splitcontext | |
| D | synonyms | |
| D | variants | |
| symbols | table | |
| F | uselibrary | |
| tables | table | |
| tracers | table | |
| typefaces | data table | |

graphics (context)

backgrounds table

F calculatemultipar

F fetchmultipar

F pair

F path

F point

gzip (extra lua)

`close` function
`lines` function

`open` function

img (basic tex)

| | |
|----------------------------|-----------------------|
| <code>boxes</code> | <code>function</code> |
| <code>checksize</code> | <code>function</code> |
| <code>clone</code> | <code>function</code> |
| <code>copy</code> | <code>function</code> |
| <code>immediatwrite</code> | <code>function</code> |
| <code>keys</code> | <code>function</code> |
| <code>new</code> | <code>function</code> |
| <code>node</code> | <code>function</code> |

| | |
|------------------------|-----------------------|
| <code>ofindex</code> | <code>function</code> |
| <code>package</code> | <code>function</code> |
| <code>print</code> | <code>function</code> |
| <code>scan</code> | <code>function</code> |
| <code>serialize</code> | <code>function</code> |
| <code>totable</code> | <code>function</code> |
| <code>types</code> | <code>function</code> |
| <code>write</code> | <code>function</code> |

interactions (context)

attachments table

F insert
F register

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 table

pages table

F setpagetransition
F setupcanvas

references table

F setcloseddocument
F setclosepage
F setopendocument
F setopenpage

renderings table

F register
F rendering
F var

soundclips table

F insert
F register

interfaces (context)

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

io (basic lua)

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

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**

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 | | D collected | |
| F setall | | T components | |
| F setdim | | T tobesaved | |
| D tobesaved | | T branches | |
| F upperleft | | S name | |
| F upperright | | S type | |
| F width | | variables | table |
| F x | | D checksums | |
| F xy | | D collected | |
| F y | | F save | |
| register | function | D tobesaved | |
| save | function | version | number |
| structure | table | | |

lang (basic tex)

| | |
|--------------------------------|-----------------------|
| <code>clean</code> | <code>function</code> |
| <code>clear_hyphenation</code> | <code>function</code> |
| <code>clear_patterns</code> | <code>function</code> |
| <code>exceptions</code> | <code>function</code> |
| <code>hyphenate</code> | <code>function</code> |
| <code>hyphenation</code> | <code>function</code> |
| <code>id</code> | <code>function</code> |

| | |
|-------------------------------|-----------------------|
| <code>new</code> | <code>function</code> |
| <code>patterns</code> | <code>function</code> |
| <code>postexhyphenchar</code> | <code>function</code> |
| <code>posthyphenchar</code> | <code>function</code> |
| <code>preexhyphenchar</code> | <code>function</code> |
| <code>prehyphenchar</code> | <code>function</code> |

languages (context)

| | | | |
|---------------|------------|----------------|------------|
| associate | function | posthyphenchar | function |
| associated | data table | prehyphenchar | function |
| association | function | registered | data table |
| counters | data table | righthyphenmin | function |
| current | function | setexceptions | function |
| data | data table | setsynonym | function |
| define | function | unload | function |
| getnumber | function | version | number |
| hyphenate | function | words | table |
| installed | function | | |
| labels | table | F check | |
| F define | | T data | |
| F split | | F disable | |
| lefthyphenmin | function | F enable | |
| loadable | function | T enablers | |
| loadwords | function | B enables | |
| logger | table | F found | |
| F report | | F load | |
| numbers | data table | T methods | |
| | | N threshold | |

layouts (context)

status table

F leftorrightpagection

F isleftpage

lfs (extra lua)

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

libraries (context)

basiclua data table
basictex data table
builtin data table

extralua data table
extratex data table
globals data table

lmx (context)

| | | | |
|---------------|----------|---------------|------------|
| convert | function | pv | function |
| escape | function | reset | function |
| get | function | result | function |
| htmfile | function | set | function |
| include | function | show | function |
| lmxfile | function | showdebuginfo | function |
| loadedfile | function | showerror | function |
| make | function | tv | function |
| new | function | type | function |
| overloaderror | function | urlescape | function |
| popupfile | function | variable | function |
| print | function | variables | data table |

logs (context)

| | | | |
|-----------------|----------|-------------------|----------|
| application | function | setmessenger | function |
| categories | function | setprogram | function |
| direct | function | settarget | function |
| disable | function | settranslations | function |
| enable | function | show | function |
| extendbanner | function | show_close | function |
| flush | function | show_load | function |
| help | function | show_open | function |
| messenger | function | simple | function |
| new | function | simpleline | function |
| newline | function | simplelines | function |
| poptarget | function | start_page_number | function |
| pushtarget | function | status | function |
| report | function | stop_page_number | function |
| report_job_stat | function | subdirect | function |
| reportbanner | function | subreport | function |
| reporter | function | system | function |
| reportline | function | texerrormessage | function |
| reportlines | function | writer | function |
| setformats | function | | |

lpdf (context)

| | | | |
|------------------------|------------|---------------------------|----------|
| action | function | graycode | function |
| adddocumentcolorspace | function | id | function |
| adddocumenttextgstate | function | injectxmpinfo | function |
| adddocumentpattern | function | insertxmpinfo | function |
| adddocumentshade | function | javascript | function |
| addtocatalog | function | launch | function |
| addtoinfo | function | layerreference | function |
| addtonames | function | limited | function |
| addtopageattributes | function | linearshade | function |
| addtopageresources | function | link | function |
| addtopagesattributes | function | null | function |
| addxmpinfo | function | number | function |
| array | function | pagedestination | function |
| boolean | function | pagereference | function |
| checkedkey | function | pdfcolor | function |
| checkedvalue | function | pdftimestamp | function |
| circularshade | function | protectresources | boolean |
| cmykcode | function | reference | function |
| collectedresources | function | registerannotation | function |
| color | function | registerdocumentfinalizer | function |
| colorspace | function | registerpagefinalizer | function |
| colorspaceconstants | table | reserveannotation | function |
| T all | | reserveobject | function |
| T cmyk | | rgbcode | function |
| T gray | | rotationcm | function |
| T rgb | | shareobject | function |
| colorspec | function | shareobjectreference | function |
| colorvalue | function | spotcode | function |
| colorvalues | function | stream | function |
| constant | function | string | function |
| delayedobject | function | timestamp | function |
| dictionary | function | toeight | function |
| epdf | table | tosixteen | function |
| F load | | transparency | function |
| finalizedocument | function | transparencycode | function |
| finalizepage | function | transparencygroups | table |
| finishtransparencycode | function | B none | |
| flushobject | function | transparencyvalue | function |
| flushstreamfileobject | function | unicode | function |
| flushstreamobject | function | verbose | function |
| formats | data table | | |

lpeg (basic lua)

| | | | |
|--------------|----------|-----------------------|------------|
| B | function | counter | function |
| C | function | endstripper | function |
| Carg | function | firstofsplit | function |
| Cb | function | frontstripper | function |
| Cc | function | is_lpeg | function |
| Cf | function | keeper | function |
| Cg | function | locale | function |
| Cmt | function | match | function |
| Cp | function | oneof | function |
| Cs | function | patterns | data table |
| Ct | function | print | function |
| P | function | replacer | function |
| R | function | secondofsplit | function |
| S | function | setmaxstack | function |
| UP | function | split | function |
| UR | function | splitat | function |
| US | function | splitter | function |
| V | function | stripper | function |
| anywhere | function | tsplitat | function |
| append | function | tsplitter | function |
| balancer | function | type | function |
| checkedsplit | function | utfchartabletopattern | function |
| count | function | version | 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 | messages | data table |
| bytedata | data table | name | table |
| bytedone | table | numbers | data table |
| collectgarbage | function | registercode | function |
| delay | function | registeredcodes | function |
| finalize | function | registerfinalizer | function |
| firstbytecode | number | registername | function |
| flush | function | setbytecode | function |
| flushdelayed | function | setluaname | function |
| getbytecode | function | startupfile | string |
| getluaname | function | version | string |
| lastbytecode | number | | |

luatex (context)

| | | | |
|-----------------------------------|-----------------------|--------------------------|-----------------------|
| <code>cleanuptempfiles</code> | <code>function</code> | <code>showjobstat</code> | <code>function</code> |
| <code>registerstartactions</code> | <code>function</code> | <code>showtexstat</code> | <code>function</code> |
| <code>registerstopactions</code> | <code>function</code> | <code>starttime</code> | <code>number</code> |
| <code>registertempfile</code> | <code>function</code> | | |

lxml (context)

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

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

math (basic lua)

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

mathematics (context)

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

md5 (extra lua)

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

| | |
|---------|----------|
| exor | function |
| hex | function |
| sum | function |
| sumhexa | function |

metapost (context)

| | | | |
|---------------------------|----------|-----------------------|----------|
| analyzeplugins | function | makempy | table |
| checkformat | function | N nofconverted | |
| checktexts | function | F processgraphics | |
| colorinitializer | function | metafun | table |
| convert | function | F interpolate | |
| defaultformat | string | F topath | |
| directrun | function | method | number |
| edefsxsy | function | mptopdf | table |
| escaped | function | F convertmpstopdf | |
| exectime | table | N nofconverted | |
| filterclippath | function | multipass | boolean |
| finder | function | n | number |
| flush | function | optimize | boolean |
| flushers | table | parse | function |
| T pdf | | pdfliterals | function |
| F comment | | pluginactions | function |
| F flushfigure | | process | function |
| F startfigure | | processplugins | function |
| F stopfigure | | reducetogray | boolean |
| F textfigure | | reporterror | function |
| flushliteral | function | reset | function |
| flushnormalpath | function | resetlastlog | function |
| flushreset | function | resetplugins | function |
| format | function | resettexts | function |
| formatnumber | function | setoutercolor | function |
| getclippath | function | settext | function |
| gettext | function | showlog | boolean |
| graphic | function | tex | table |
| graphic_base_pass | function | F get | |
| graphic_extra_pass | function | F reset | |
| intermediate | table | F set | |
| T actions | | texerrors | boolean |
| F makempy | | texttextsdata | function |
| B needed | | theclippath | function |
| lastlog | string | totable | function |
| load | function | unload | function |

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

mplib (extra tex)

`fields` `function`
`new` `function`

`pen_info` `function`
`version` `function`

noads (context)

handlers table

F check
F collapse
F families
F italics
F relocate
F render
F resize
F respace
F tags
F unscript

F variants

process function

processors table

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

node (basic tex)

| | | | |
|------------------------------|-----------------------|-----------------------------------|-----------------------|
| <code>copy</code> | <code>function</code> | <code>ligaturing</code> | <code>function</code> |
| <code>copy_list</code> | <code>function</code> | <code>mlist_to_hlist</code> | <code>function</code> |
| <code>count</code> | <code>function</code> | <code>new</code> | <code>function</code> |
| <code>current_attr</code> | <code>function</code> | <code>next</code> | <code>function</code> |
| <code>dimensions</code> | <code>function</code> | <code>prev</code> | <code>function</code> |
| <code>do_ligature_n</code> | <code>function</code> | <code>protect_glyphs</code> | <code>function</code> |
| <code>family_font</code> | <code>function</code> | <code>protrusion_skippable</code> | <code>function</code> |
| <code>fields</code> | <code>function</code> | <code>remove</code> | <code>function</code> |
| <code>first_character</code> | <code>function</code> | <code>set_attribute</code> | <code>function</code> |
| <code>first_glyph</code> | <code>function</code> | <code>slide</code> | <code>function</code> |
| <code>flush_list</code> | <code>function</code> | <code>subtype</code> | <code>function</code> |
| <code>free</code> | <code>function</code> | <code>tail</code> | <code>function</code> |
| <code>has_attribute</code> | <code>function</code> | <code>traverse</code> | <code>function</code> |
| <code>has_field</code> | <code>function</code> | <code>traverse_id</code> | <code>function</code> |
| <code>hpack</code> | <code>function</code> | <code>type</code> | <code>function</code> |
| <code>id</code> | <code>function</code> | <code>types</code> | <code>function</code> |
| <code>insert_after</code> | <code>function</code> | <code>unprotect_glyphs</code> | <code>function</code> |
| <code>insert_before</code> | <code>function</code> | <code>unset_attribute</code> | <code>function</code> |
| <code>is_node</code> | <code>function</code> | <code>usedlist</code> | <code>function</code> |
| <code>kerning</code> | <code>function</code> | <code>vpack</code> | <code>function</code> |
| <code>last_node</code> | <code>function</code> | <code>whatsits</code> | <code>function</code> |
| <code>length</code> | <code>function</code> | <code>write</code> | <code>function</code> |

nodes (context)

| | | | |
|------------------------|------------|-------------------------|------------|
| after | function | F stripping | |
| aligned | function | F unprotectglyphs | |
| astable | function | has_attribute | function |
| before | function | idstousing | function |
| builders | table | ignorablefields | data table |
| F buildpage_filter | | injections | table |
| F vpack_filter | | F handler | |
| codes | data table | F setcursive | |
| concat | function | F setkern | |
| count | function | F setmark | |
| delete | function | F setpair | |
| destinations | table | installattributehandler | function |
| N attribute | | is_display_math | function |
| T done | | is_mirrored | data table |
| F handler | | is_rotated | data table |
| T stack | | kerncodes | data table |
| dimensionfields | data table | leftmarginwidth | function |
| dir_is_pop | data table | lines | table |
| dir_negation | data table | T boxed | |
| fasthpack | function | F register | |
| fields | function | F setup | |
| fillcodes | data table | F stage_one | |
| firstcharacter | function | F stage_two | |
| firstcharinbox | function | F stage_zero | |
| firstglyph | function | D data | |
| getattribute | function | F finalize | |
| gluecodes | data table | F number | |
| glyphcodes | data table | N scratchbox | |
| glyphdir_is_equal | data table | link | function |
| glyphdir_is_opposite | data table | list | function |
| glyphdir_is_orthogonal | data table | listablefields | data table |
| handlers | table | listcodes | data table |
| F accessibility | | listtoutf | function |
| F backgrounds | | load | function |
| F characters | | locate | function |
| F checkforleaks | | mathcodes | data table |
| F checkglyphs | | noadcodes | data table |
| F cleanuppape | | nodecodes | data table |
| F export | | packlist | function |
| F finalize | | pardir_is_equal | data table |
| F migrate | | pardir_is_opposite | data table |
| F protectglyphs | | pardir_is_parallel | data table |

| | | | |
|---------------------|------------|-------------------------|------------|
| partextdir_is_equal | data table | print | function |
| penaltycodes | data table | processors | table |
| pool | table | B enabled | |
| F baselineskip | | F hpack_filter | |
| F cleanup | | F post_linebreak_filter | |
| F disc | | F pre_linebreak_filter | |
| F fontkern | | F tracer | |
| F glue | | processwords | function |
| F gluespec | | reference | function |
| F glyph | | references | table |
| F hlist | | N attribute | |
| F kern | | T done | |
| F latelua | | F handler | |
| F leftmarginkern | | T stack | |
| F leftskip | | remove | function |
| F lineskip | | repackhlist | function |
| F noad | | replace | function |
| F pdfannotation | | report | function |
| F pdfdestination | | rightmarginwidth | function |
| F pdfdirect | | rules | table |
| F pdfliteral | | D data | |
| F pdfrestore | | F define | |
| F pdfsave | | F enable | |
| F pdfsetmatrix | | F handler | |
| F penalty | | save | function |
| F register | | serialize | function |
| F rightmarginkern | | serializebox | function |
| F rightskip | | setattribute | function |
| F rule | | setattributes | function |
| F shrink | | setunsetattributes | function |
| F special | | shifts | table |
| F stretch | | D data | |
| F temp | | F define | |
| F textdir | | F enable | |
| F usage | | F handler | |
| T userids | | show | function |
| N margins.inline | | showboxes | function |
| N splitters.one | | showcodes | function |
| N splitters.two | | showlist | function |
| F userlist | | showsimplelist | function |
| F usernumber | | skipcodes | data table |
| F userstring | | somepenalty | function |
| F usertokens | | somespace | function |
| F vlist | | stripping | table |
| F zeroglue | | T glyphs | |

| | | | |
|---------------------|------------|------------------|------------|
| F set | | F reset | |
| striprange | function | F set | |
| tasks | table | F setlist | |
| F actions | | F fontchar | |
| F appendaction | | F start | |
| F disableaction | | T steppers | |
| F disablegroup | | F check | |
| F enableaction | | F codes | |
| F enablegroup | | F features | |
| F freeze | | F glyphs | |
| F freezegroup | | F message | |
| F new | | F messages | |
| F prependaction | | F nofsteps | |
| F removeaction | | F register | |
| F restart | | F reset | |
| F showactions | | F start | |
| F table | | F stop | |
| textdir_is_equal | data table | F stop | |
| textdir_is_is | data table | T transparencies | |
| textdir_is_opposite | data table | F reset | |
| textdir_is_parallel | data table | F set | |
| tonodes | function | F setlist | |
| tosequence | function | unsetattribute | function |
| totable | function | unsetattributes | function |
| toutf | function | visualizebox | function |
| tracers | table | visualizers | table |
| T characters | | F box | |
| F collect | | F handler | |
| F equal | | F setfont | |
| F indices | | F setlayer | |
| F start | | F setvisual | |
| F string | | whatcodes | data table |
| F unicodes | | whatsitcodes | data table |
| T colors | | writable_spec | function |

number (context)

| | | | |
|---------------|------------|----------------|----------|
| | function | tociceros | function |
| basepoints | function | todidots | function |
| bit | function | todimen | function |
| bits | function | toevenhex | function |
| clearbit | function | toinches | function |
| dimenfactors | data table | tomillimeters | function |
| hasbit | function | tonewciceros | function |
| maxdimen | number | tonewdidots | function |
| nopts | function | tonumberf | function |
| percent | function | tonumberg | function |
| points | function | topicas | function |
| pts | function | topoints | function |
| setbit | function | toscaled | function |
| splitdimen | function | toscaledpoints | function |
| tobasepoints | function | toset | function |
| tobitstring | function | valid | function |
| tocentimeters | function | | |

os (basic lua)

| | | | |
|---------------------------|---------------------|------------------------|---------------------|
| <code>__getenv__</code> | function | <code>resolvers</code> | table |
| <code>__setenv__</code> | function | <code>resultof</code> | function |
| <code>binsuffix</code> | string | <code>runtime</code> | function |
| <code>binsuffixes</code> | table | <code>selfdir</code> | string |
| <code>clock</code> | function | <code>setenv</code> | overloaded function |
| <code>date</code> | function | <code>setlocale</code> | overloaded function |
| <code>difftime</code> | function | <code>sleep</code> | function |
| <code>env</code> | data table | <code>spawn</code> | overloaded function |
| <code>exec</code> | overloaded function | <code>time</code> | function |
| <code>execute</code> | overloaded function | <code>times</code> | function |
| <code>exit</code> | function | <code>timezone</code> | function |
| <code>getenv</code> | overloaded function | <code>tmpdir</code> | function |
| <code>gettimeofday</code> | function | <code>tmpname</code> | function |
| <code>launch</code> | function | <code>type</code> | string |
| <code>libsuffix</code> | string | <code>uname</code> | function |
| <code>name</code> | string | <code>uuid</code> | function |
| <code>platform</code> | string | <code>where</code> | function |
| <code>remove</code> | function | <code>which</code> | function |
| <code>rename</code> | function | | |

package (basic lua)

| | | | |
|------------------------------|-----------------------|-------------------------------|-----------------------|
| <code>appendtolibpath</code> | <code>function</code> | <code>loaders</code> | <code>table</code> |
| <code>clibpaths</code> | <code>function</code> | <code>loadlib</code> | <code>function</code> |
| <code>config</code> | <code>string</code> | <code>path</code> | <code>string</code> |
| <code>cpath</code> | <code>string</code> | <code>preload</code> | <code>table</code> |
| <code>libpaths</code> | <code>function</code> | <code>prependtolibpath</code> | <code>function</code> |
| <code>loaded</code> | <code>table</code> | <code>seeall</code> | <code>function</code> |

pagebuilders (context)

`mixedcolumns` `table`

`F cleanup`

`F finalize`

`F getlist`

`F getrest`

`F getsplit`

`F setsplit`

pdf (basic tex)

| | |
|-----------------------------|-----------------------|
| <code>immediateobj</code> | <code>function</code> |
| <code>mapfile</code> | <code>function</code> |
| <code>mapline</code> | <code>function</code> |
| <code>maxobjnum</code> | <code>function</code> |
| <code>obj</code> | <code>function</code> |
| <code>objtype</code> | <code>function</code> |
| <code>pageattributes</code> | <code>string</code> |
| <code>pageref</code> | <code>function</code> |

| | |
|------------------------------|-----------------------|
| <code>pageresources</code> | <code>string</code> |
| <code>pagesattributes</code> | <code>string</code> |
| <code>pdfmapfile</code> | <code>function</code> |
| <code>pdfmapline</code> | <code>function</code> |
| <code>print</code> | <code>function</code> |
| <code>refobj</code> | <code>function</code> |
| <code>registerannot</code> | <code>function</code> |
| <code>reserveobj</code> | <code>function</code> |

physics (context)

| | |
|-----------------|-----------------|
| units table | S ⁻¹ |
| T tables | S ⁻² |
| T shortcuts | S ⁻³ |
| T operators | S ⁻¹ |
| S * | S ⁻² |
| S . | S ⁻³ |
| S / | T units |
| S : | S A |
| T prefixes | S B |
| S E | S Hz |
| S G | S W |
| S M | S b |
| S P | S g |
| S T | S h |
| S Y | S hz |
| S Z | S l |
| S a | S lx |
| S c | S m |
| S d | S n |
| S da | S s |
| S f | S t |
| S h | S v |
| S k | S ℃ |
| S m | S |
| S n | T units |
| S p | T operators |
| S u | S OutOf |
| S y | S Per |
| S z | S Solidus |
| T suffixes | S Times |
| S +1 | T packaged |
| S +2 | S Micron |
| S +3 | S mmHg |
| S -1 | T prefixes |
| S -2 | S Atto |
| S -3 | S Centi |
| S 1 | S Deca |
| S 2 | S Deci |
| S 3 | S Exa |
| S ⁺¹ | S Exbi |
| S ⁺² | S Femto |
| S ⁺³ | S Gibi |

| | |
|-------------|----------------------|
| S Giga | S Astronomical Unit |
| S Hecto | S Atm |
| S Kibi | S Atmosphere |
| S Kilo | S Atomic Mass Unit |
| S Mebi | S Bar |
| S Mega | S Barn |
| S Micro | S Baud |
| S Milli | S Bel |
| S Nano | S Bequerel |
| S Pebi | S Bit |
| S Peta | S Byte |
| S Pico | S Cal |
| S Root | S Calorie |
| S Tebi | S Candela |
| S Tera | S Celsius |
| S Yobi | S Coulomb |
| S Yocto | S Dalton |
| S Yotta | S Day |
| S Zebi | S Degree Celsius |
| S Zepto | S Degree Fahrenheit |
| S Zetta | S Degrees Celsius |
| T suffixes | S Degrees Fahrenheit |
| S Cubic | S Dyne |
| S ICubic | S Electron Volt |
| S ILinear | S Erg |
| S ISquare | S Erlang |
| S Inverse | S Fahrenheit |
| S Linear | S Farad |
| S Square | S Foot |
| T symbols | S Gal |
| S % | S Gauss |
| S ArcMinute | S Gon |
| S ArcSecond | S Grad |
| S Degree | S Gram |
| S Degrees | S Gray |
| S Percent | S Hectare |
| S Permille | S Henry |
| S Promille | S Hertz |
| S ° | S Hg |
| S | S Hour |
| S | S Inch |
| T units | S Joule |
| S AMU | S Katal |
| S Ampere | S Kelvin |
| S Angstrom | S Knot |

| | |
|-----------------|--------------|
| S Liter | S Phot |
| S Litre | S Poise |
| S Lumen | S Radian |
| S Lux | S Rev |
| S Maxwell | S Revolution |
| S Meter | S Second |
| S Metre | S Siemens |
| S Metric Ton | S Sievert |
| S Minute | S Steradian |
| S Mol | S Stilb |
| S Mole | S Stokes |
| S Nautical Mile | S Tesla |
| S Neper | S Tonne |
| S Newton | S Volt |
| S Oersted | S Watt |
| S Ohm | S Weber |
| S Pascal | S eV |

profiler (extra lua)

`pause` `function`
`resume` `function`

`start` `function`
`stop` `function`

regimes (context)

| | |
|---------|----------|
| disable | function |
| enable | function |
| pop | function |
| process | function |

| | |
|-----------|----------|
| push | function |
| toregime | function |
| translate | function |

resolvers (context)

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

| | | | |
|----------------------|------------|--------------------------|------------|
| 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 |
| loadluafile | function | T cleaners | |
| loadtexfile | function | F md5 | |
| loadtime | function | F none | |
| locateformat | function | F strip | |
| locators | data table | F cleanname | |
| luacnfname | string | F install | |
| luacnfspec | string | N threshold | |
| luacnfstate | string | setenv | function |
| macros | table | setinstance | function |
| F convertfile | | settrace | function |
| F decodecomment | | showpath | function |
| F enablecomment | | simplescanfiles | function |
| F encodecomment | | splitconfigurationpath | function |
| F preprocessed | | splitexpansions | function |
| F processmkvi | | splitmethod | function |
| F version | | splitpath | function |
| maxreadlevel | number | suffixes | data table |
| methodhandler | function | suffixmap | data table |
| newinstance | function | suffixofformat | function |
| openbinfile | function | texdatablob | 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 |
| registerintrees | function | variableofformatorsuffix | function |
| registermethod | function | wildcardpattern | function |

scripts (context)

| | | | |
|-------------------------------------|------------|-------------------------|------------|
| categorytonumber | data table | handlers | data table |
| colors | data table | hash | table |
| defaults | table | installdataset | function |
| N inter_char_half_shrink_factor | | installmethod | function |
| N inter_char_half_stretch_factor | | numbertocategory | data table |
| N inter_char_hangul_penalty | | numbertodataset | data table |
| N inter_char_quarter_shrink_factor | | preprocess | function |
| N inter_char_quarter_stretch_factor | | reset | function |
| N inter_char_shrink_factor | | set | function |
| N inter_char_stretch_factor | | | |

set (context)

`contains` `function`
`create` `function`
`tolist` `function`

`tonumber` `function`
`totable` `function`

socket (extra lua)

| | | | |
|------------------|----------|-------------------|----------|
| BLOCKSIZE | number | | |
| _DEBUG | boolean | | |
| bind | function | | |
| choose | function | | |
| connect | function | | |
| dns | table | | |
| | | F gethostname | |
| | | F tohostname | |
| | | F toip | |
| ftp | table | | |
| | | S PASSWORD | |
| | | N PORT | |
| | | N TIMEOUT | |
| | | S USER | |
| | | F command | |
| | | F get | |
| | | F open | |
| | | F put | |
| gettime | function | | |
| 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 |
| | | sourcect | table |
| | | F by-length | |
| | | F default | |
| | | F http-chunked | |
| | | F until-closed | |
| | | tcp | function |
| | | tp | table |
| | | N TIMEOUT | |
| | | F connect | |
| | | try | function |
| | | udp | function |
| | | url | table |
| | | F absolute | |
| | | F build | |
| | | F build_path | |
| | | F escape | |
| | | F parse | |
| | | F parse_path | |
| | | F unescape | |

sorters (context)

comparers table

 F basic

constants table

 S defaultdigits

 S defaultlanguage

 S defaultmethod

 N digitmaximum

 N digitoffset

 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 |
| elapsedindeed | function |
| elapsedseconds | function |
| elapsedtime | function |
| enable | boolean |
| formatruntime | function |
| hastiming | function |
| memused | function |
| register | function |
| reportstorage | function |

| | |
|---------------|----------|
| resettiming | function |
| runtime | function |
| savefmtstatus | function |
| show | function |
| showjobstat | function |
| starttiming | function |
| stoptiming | function |
| threshold | number |
| timed | function |

status (basic tex)

list function

storage (context)

| | |
|------------|----------|
| allocate | function |
| data | table |
| evaluators | table |
| mark | function |
| marked | function |
| max | number |
| min | number |

| | |
|------------|------------|
| nofmodules | number |
| noftables | number |
| register | function |
| shared | data table |
| 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)

| | | | |
|----------------|----------|---------------|----------|
| byte | function | quote | function |
| bytepairs | function | quoted | function |
| bytes | function | rep | function |
| char | function | reverse | function |
| characterpairs | function | split | function |
| characters | function | splitlines | function |
| checkedsplit | function | splitup | function |
| count | function | strip | function |
| dump | function | sub | function |
| escapedpattern | function | toboolean | function |
| explode | function | tocontext | function |
| find | function | todimen | function |
| format | function | topattern | function |
| gfind | function | toutf | function |
| gmatch | function | unquote | function |
| gsub | function | unquoted | function |
| is_boolean | function | upper | function |
| is_empty | function | utfcharacters | function |
| itself | function | utfsplitlines | function |
| len | function | utfvalues | function |
| limit | function | valid | function |
| lower | function | validutf | function |
| match | function | | |

structures (context)

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

| | | | |
|-------------------|-------|-------------------|-------|
| T bottomfloat | | F hastitledata | |
| S location | | D internals | |
| S name | | F iscached | |
| N number | | F label | |
| T endnote | | F location | |
| S location | | F number | |
| S name | | D ordered | |
| N number | | F page | |
| T footnote | | F popnesting | |
| S location | | F prefix | |
| S name | | F prefixednumber | |
| N number | | F prefixedpage | |
| T linenote | | F process | |
| S location | | D pushed | |
| S name | | F pushnesting | |
| N number | | F realpage | |
| T topfloat | | T result | |
| S location | | F sectionnumber | |
| S name | | F size | |
| N number | | F title | |
| F define | | D tobesaved | |
| F getdata | | F userdata | |
| F getlocation | | F uservalue | |
| F getname | | marks | table |
| F getnumber | | D data | |
| F setlocation | | F define | |
| F setup | | F exists | |
| D stored | | F fetch | |
| itemgroups | table | F fetchallmarks | |
| F maxwidth | | F fetched | |
| F nofitems | | F fetchonemark | |
| F register | | F fetchtwomarks | |
| lists | table | F get | |
| F addto | | F number | |
| F analyze | | F relate | |
| D cached | | F reset | |
| D collected | | F set | |
| F discard | | F show | |
| F enhance | | F synchronize | |
| T enhancers | | F title | |
| F filter | | T tracers | |
| F filtercollected | | F showtable | |
| F formulanumber | | notes | table |
| F hasnumberdata | | F checkpagechange | |
| F haspagedata | | F define | |

| | |
|----------------------------|------------------------|
| F doifonsamepageasprevious | F export |
| F get | T files |
| F getn | T data |
| F getnumberpage | F define |
| F getstate | F get |
| F getsymbolpage | F filter |
| F hascontent | F filterdefault |
| F internal | D filters |
| F internalid | F from |
| F listindex | F get |
| F ordered | F getcurrentmetadata |
| F postpone | F getcurrentprefixspec |
| F resetpostponed | F getinnermethod |
| F restore | F getinternalreference |
| F save | D handlers |
| F setstate | F identify |
| F setsymbolpage | F import |
| D states | F inject |
| F store | F injectcurrentset |
| pages | D internals |
| | F load |
| F analyze | F loadpresets |
| D collected | F mark |
| F is_odd | D pages |
| F number | U prefixsplitter |
| F save | D productdata |
| D tobesaved | T programs |
| references | T data |
| | F define |
| F analyze | F get |
| F checkedfile | F realpageofpage |
| F checkedfileorurl | U referencesplitter |
| F checkedprogram | D referred |
| F checkedrealpage | F referredpage |
| F checkedurl | F registerfinalizer |
| D collected | F registerinitializer |
| U componentsplitter | F registerpage |
| F currentmetadata | F reportproblems |
| F currentorder | F reset |
| D currentset | T resolvers |
| F define | F reference |
| D defined | F section |
| D derived | D runners |
| F enableinteraction | F set |
| F enhance | F setandgetattribute |
| D executers | |
| F expandcurrent | |

| | | |
|------------------------------------|---------------------|-------|
| F setcomponent | F store | |
| F setinnermethod | D tobесaved | |
| F setinternalreference | F unique | |
| F setnextinternal | F userdata | |
| F setnextorder | sections | table |
| D specials | F autodepth | |
| F splitcomponent | F cct | |
| F splitprefix | T collected | |
| F splitreference | F current | |
| T testrunners | F currentblock | |
| F inner | F currentid | |
| F special | F currentlevel | |
| F special operation | F depthnumber | |
| F special operation with arguments | F finddata | |
| T testspecials | F findnumber | |
| F deltapage | F fullnumber | |
| F i | F getcurrentlevel | |
| F internal | F getlevel | |
| F page | F getnumber | |
| F realpage | F internalreference | |
| F section | D levelmap | |
| F userpage | D levels | |
| D tobereferred | F load | |
| D tobесaved | F matchingtilldepth | |
| T urls | F numberatdepth | |
| T data | F numbers | |
| F define | F popblock | |
| F get | F prefixedconverted | |
| F valid | F pushblock | |
| F whatfrom | F register | |
| registers | D registered | |
| F analyze | F reportstructure | |
| F analyzed | F save | |
| D collected | F set | |
| F compare | F setblock | |
| F define | F setchecker | |
| F enhance | F setlevel | |
| F extend | F setnumber | |
| F filter | F somelevel | |
| F filtercollected | F structuredata | |
| F finalize | F title | |
| F flush | D tobесaved | |
| F prepare | F typesetnumber | |
| F process | F userdata | |
| F sort | B verbose | |

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

table (basic lua)

| | | | |
|-----------------|-----------------|----------------------|-----------------|
| append | function | print | function |
| are_equal | function | remove | function |
| compact | function | reversed | function |
| concat | function | sequenced | function |
| contains | function | serialize | function |
| copy | function | setmetatablecall | function |
| count | function | setmetatableindex | function |
| derive | function | setmetatablekey | function |
| fastcopy | function | setmetatablenewindex | function |
| flattened | function | setn | function |
| foreach | function | sort | function |
| foreachi | function | sortedhash | function |
| fromhash | function | sortedhashkeys | function |
| getmetatablekey | function | sortedkeys | function |
| getn | function | sortedpairs | function |
| has_one_entry | function | strip | function |
| identical | function | sub | function |
| imerge | function | swapped | function |
| imerged | function | tocontext | function |
| insert | function | tofile | function |
| is_empty | function | tohandle | function |
| keys | function | tohash | function |
| loweredkeys | function | toxml | function |
| maxn | function | unique | function |
| merge | function | unnest | function |
| merged | function | unpack | function |
| prepend | function | | |

tex (basic tex)

| | | | |
|-------------------------|------------|----------------------|------------|
| attribute | table | linebreak | function |
| badness | function | lists | table |
| box | table | luacatcodes | number |
| catcode | table | mathcode | table |
| conditionals | data table | modes | data table |
| constants | data table | nest | table |
| count | table | nilcatcodes | number |
| ctxcatcodes | number | notcatcodes | number |
| definefont | function | number | function |
| delcode | table | pdffontname | function |
| dimen | table | pdffontobjnum | function |
| enableprimitives | function | pdffontsize | function |
| error | function | pdfpageref | function |
| extraprimtives | function | pdfxformname | function |
| finish | function | primitives | function |
| fontidentifier | function | print | function |
| fontname | function | printlist | function |
| fprint | function | prtcacodes | number |
| get | function | romannumeral | function |
| getattribute | function | round | function |
| getbox | function | run | function |
| getcatcode | function | scale | function |
| getcount | function | set | function |
| getdelcode | function | setattribute | function |
| getdimen | function | setbox | function |
| getlcode | function | setcatcode | function |
| getlist | function | setcount | function |
| getmath | function | setdelcode | function |
| getmathcode | function | setdimen | function |
| getnest | function | setfalse | function |
| getsfcode | function | setlcode | function |
| getskip | function | setlist | function |
| gettoks | function | setmath | function |
| getuccode | function | setmathcode | function |
| hashtokens | function | setnest | function |
| ifs | data table | setsfcode | function |
| inicatcodes | number | setskip | function |
| iscount | function | settoks | function |
| isdimen | function | settrue | function |
| isskip | function | setuccode | function |
| istoken | function | sfcode | table |
| lccode | table | shipout | function |

| | | | |
|--------------------------|-------------------------|-----------------------------|-------------------------|
| <code>skip</code> | <code>table</code> | <code>trackers</code> | <code>data table</code> |
| <code>sp</code> | <code>function</code> | <code>txtcatcodes</code> | <code>number</code> |
| <code>sprint</code> | <code>function</code> | <code>type</code> | <code>function</code> |
| <code>systemmodes</code> | <code>data table</code> | <code>uccode</code> | <code>table</code> |
| <code>texcatcodes</code> | <code>number</code> | <code>uniformdeviate</code> | <code>function</code> |
| <code>toks</code> | <code>table</code> | <code>uprint</code> | <code>function</code> |
| <code>tpacatcodes</code> | <code>number</code> | <code>vrbcacodes</code> | <code>number</code> |
| <code>tpbcacodes</code> | <code>number</code> | <code>write</code> | <code>function</code> |
| <code>tprint</code> | <code>function</code> | | |

texconfig (basic tex)

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

texio (basic tex)

`write` `function`

`write_nl` `function`

token (basic tex)

| | | | |
|---------------------------|----------|----------------------------|----------|
| <code>command_id</code> | function | <code>get_next</code> | function |
| <code>command_name</code> | function | <code>is_activechar</code> | function |
| <code>create</code> | function | <code>is_expandable</code> | function |
| <code>csname_id</code> | function | <code>is_protected</code> | function |
| <code>csname_name</code> | function | <code>lookup</code> | function |
| <code>expand</code> | 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 |
| printerror | function |
| showlines | function |
| strings | table |

S undefined

| | |
|------|----------|
| toks | function |
| type | function |

trackers (context)

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

typesetters (context)

alignments table

F handler

F set

breakpoints table

N attribute

F define

F handler

D mapping

T methods

T numbers

F set

F setreplacement

cases table

T actions

F handler

F register

F set

characters table

F handler

cleaners table

F handler

F set

digits table

T actions

N attribute

F handler

F set

directions table

F handler

F process

F set

fast_hpack function

hpack function

italics table

F forcevariant

F handler

F reset

F set

kerns table

D factors

F handler

B keepligature

B keeptogether

D mapping

F set

margins table

F finalhandler

F globalhandler

F ha

F localhandler

F save

paragraphs table

N attribute

T droppers

F freeze

F set

F handler

F set

processors table

F apply

F register

F reset

F split

F startapply

F stopapply

F stripped

F tostring

spacings table

N attribute

F define

F handler

D mapping

T numbers

T frenchpunctuation

T characters

S name

N number

F reset

F set

F setup

tonodes function

vpack function

xtables table

F cleanup

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

unicode (extra lua)

| | | | |
|-----------------|-----------------|------------------|-----------------|
| ascii | table | | |
| F byte | | F gmatch | |
| F char | | F gsub | |
| F dump | | F len | |
| F find | | F lower | |
| F format | | F match | |
| F gfind | | F rep | |
| F gmatch | | F reverse | |
| F gsub | | F sub | |
| F len | | F upper | |
| F lower | | ustring | function |
| F match | | utf16_to_utf8 | function |
| F rep | | utf16_to_utf8_be | function |
| F reverse | | utf16_to_utf8_le | function |
| F sub | | utf32_to_utf8 | function |
| F upper | | utf32_to_utf8_be | function |
| filetype | function | utf32_to_utf8_le | function |
| grapheme | table | utf8 | table |
| F byte | | F byte | |
| F char | | F char | |
| F dump | | F dump | |
| F find | | F find | |
| F format | | F format | |
| F gfind | | F gfind | |
| F gmatch | | F gmatch | |
| F gsub | | F gsub | |
| F len | | F len | |
| F lower | | F lower | |
| F match | | F match | |
| F rep | | F rep | |
| F reverse | | F reverse | |
| F sub | | F string | |
| F upper | | F sub | |
| latin1 | table | F toentities | |
| F byte | | F upper | |
| F char | | utf8_to_utf16 | function |
| F dump | | utf8_to_utf8 | function |
| F find | | utfcodes | function |
| F format | | utfname | table |
| F gfind | | utftype | function |
| | | xstring | function |

url (context)

addscheme function
construct function
filename function
hashed function

hasscheme function
query function
split function

utilities (context)

| | | | |
|---------------------------------|--------------|-------------------|-----------------------------|
| debugger | table | | |
| F disable | | | U settings_to_hash_c |
| F enable | | | F settings_to_array |
| F savestats | | | F settings_to_hash |
| F showstats | | | F settings_to_hash_strict |
| | | | F settings_to_hash_tolerant |
| | | | F settings_to_set |
| | | | F simple_hash_to_string |
| | | | F splitthousands |
| formatters | table | report | function |
| F formatcolumns | | sequencers | table |
| F list | | F appendaction | |
| F stripzeros | | F appendgroup | |
| garbagecollector | table | F compile | |
| F check | | F disableaction | |
| N criterium | | F disablegroup | |
| B enabled | | F enableaction | |
| | | F enablegroup | |
| lua | table | D functions | |
| F compile | | F localize | |
| F loadedluacode | | F new | |
| N nofstrippedbytes | | F nodeprocessor | |
| N nofstrippedchunks | | F prependaction | |
| F stripbytecode | | F prependgroup | |
| B stripcode | | F removeaction | |
| F strippedbytecode | | F setkind | |
| F strippedloadstring | | F tostring | |
| packers | table | setters | table |
| F hashed | | F disable | |
| F new | | F enable | |
| F pack | | F initialize | |
| F simplehashed | | F list | |
| F strip | | F new | |
| F unpack | | F register | |
| N version | | F reset | |
| | | F show | |
| parsers | table | stacker | table |
| F add_settings_to_array | | F new | |
| F arguments_to_table | | storage | table |
| F array_to_string | | F allocate | |
| F getparameters | | F checked | |
| F hash_to_string | | F mark | |
| F listitem | | F marked | |
| F make_settings_to_hash_pattern | | | |
| T patterns | | | |
| U settings_to_array | | | |
| U settings_to_hash_a | | | |
| U settings_to_hash_b | | | |

F setinitializer
F sparse
strings table
F collapsecrLf
F newrepeater
F nice
F striplong
F tabtospace
tables table
F accesstable

F definetable
F encapsulate
F insertaftervalue
F insertbeforevalue
F migratetable
F removevalue
templates table
F load
F replace

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

xml (context)

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

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

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|----------------------|----------|---------------------|----------|
| placeholders | table | serialize | function |
| F unknown_any_entity | | setcdata | function |
| F unknown_dec_entity | | sethandlersfunction | function |
| F unknown_hex_entity | | setProperty | function |
| position | function | settings | function |
| privatecodes | table | specialhandler | table |
| privatetoken | function | sprint | function |
| process | function | string | function |
| process_attributes | function | strip | function |
| process_elements | function | strip_whitespace | function |
| processattributes | function | stripelement | function |
| profiled | table | stripleadingspaces | function |
| raw | function | table | function |
| registerentity | function | text | function |
| registerns | function | textonly | function |
| remap_name | function | texttocdata | function |
| remap_namespace | function | tocdata | function |
| remap_tag | function | toelement | function |
| remapname | function | tostring | function |
| remapnamespace | function | toxml | function |
| remaptag | function | tprint | function |
| renamespace | function | traverse | function |
| replace | function | unescaped | function |
| replace_element | function | unprivatized | function |
| resolvns | function | withelement | function |
| root | function | withelements | function |
| save | function | wrap | function |
| selection | function | xmlns | table |
| separate | function | | |

zip (extra lua)

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

zlib (extra lua)

| | | | |
|--------------------------|-----------------------|----------------------------|-----------------------|
| <code>adler32</code> | <code>function</code> | <code>decompress</code> | <code>function</code> |
| <code>compress</code> | <code>function</code> | <code>decompressobj</code> | <code>function</code> |
| <code>compressobj</code> | <code>function</code> | <code>version</code> | <code>function</code> |
| <code>crc32</code> | <code>function</code> | | |