1 attributes backends bibtex blobs boolean buffers builders caches callbacks catcodes characters chemicals commands containers context converters coroutine debug dir directives document documentdata environment epdf experiments figures floats font fontloader fonts global gzip img interactions interfaces job languages layouts lfs libraries lmx logs lpdf lpeg ltm12 l luatex lxml math mathematics md5 metapost mime moduledata modules mplib noads node nodes number os pac parametersets pdf physics profiler regimes resolvers scripts set socket sorters statistics status storage streams string structures tabl tokens tracers trackers typesetters unicode url utilities visualizers xml zip zlib

ConTEXt MkIV

global (alias: _G)

| 1 | table | io | table |
|-------------------------|----------|-------------------|----------|
| arg | table | ipairs | function |
| assert | function | job | table |
| attributes | table | lang | table |
| backends | table | languages | table |
| beginpage | function | layouts | table |
| bibtex | table | lfs | table |
| blobs | table | libraries | table |
| boolean | table | lmx | table |
| buffers | table | load | function |
| builders | table | loadfile | function |
| caches | table | loadstring | function |
| callback | table | logs | table |
| callbacks | table | lpdf | table |
| catcodes | table | lpeg | table |
| characters | table | ltn12 | table |
| chemicals | table | lua | table |
| collectgarbage | function | luatex | table |
| commands | table | lxml | table |
| containers | table | math | table |
| context | function | mathematics | table |
| converters | table | md5 | table |
| coroutine | table | metapost | table |
| debug | table | mime | table |
| dimen | function | module | function |
| dir | table | moduledata | table |
| directives | table | modules | table |
| document | table | mplib | table |
| documentdata | table | newline | function |
| dofile | function | newproxy | function |
| endpage | function | next | function |
| environment | table | noads | table |
| epdf | table | node | table |
| error | function | nodes | table |
| experiments | table | number | table |
| figures | table | os | table |
| file | table | outputpagestree | function |
| floats | table | package | table |
| font | table | pairs | function |
| fontloader | table | parametersets | table |
| fonts | table | pcall | function |
| gcinfo | function | pdf | table |
| getfenv | function | physics | table |
| getmetatable | function | print | function |
| ${\tt getreadfilename}$ | function | profiler | table |
| global | table | protect | function |
| gzip | table | rawequal | function |
| img | table | rawget | function |
| inspect | function | rawset | function |
| interactions | table | regimes | table |
| interfaces | table | report_characters | function |

| require | function | tocontext | function |
|------------------|----------|------------------|----------|
| resolvers | table | token | table |
| scripts | table | tokens | table |
| select | function | tonumber | function |
| set | table | tostring | function |
| setfenv | function | trace_characters | boolean |
| setmetatable | function | traceback | function |
| socket | table | tracers | table |
| sorters | table | trackers | table |
| statistics | table | type | function |
| status | table | typesetters | table |
| storage | table | unicode | table |
| streams | table | unpack | function |
| string | table | url | table |
| ${	t stripmath}$ | function | utf | table |
| structures | table | utilities | table |
| table | table | visualizers | table |
| tex | table | xml | table |
| texconfig | table | xpcall | function |
| texio | table | zip | table |
| toboolean | function | zlib | table |

attributes (context)

| colorintents table | F setlist | |
|--|----------------------------|----------------|
| N attribute | F setmodel | |
| D data | D sets | |
| F enable | F spot | |
| F handler | F spotcolorname | |
| F register | F spotcolorpare | |
| D registered | F spotcolorvalı | 1e |
| colors table | B supported | |
| N attribute | F transparency | components |
| F cmyk | B triggering | |
| F cmyktogray | F usecolors | |
| F cmyktorgb | F value | |
| F colorcomponents | D values | |
| B couple | B weightgray define | function |
| D data | effects | function |
| N default | | table |
| F defineintermediatecolor | N attribute | |
| F definemixcolor | D data | |
| F definemultitonecolor | F enable | |
| F defineprocesscolor | F handler | |
| F definesimplegray | F register | |
| F definespotcolor | D registered | |
| F definetransparency | D values | +- - 1- |
| F enable | handlers | table |
| F filter | list | data table |
| F forcedmodel | names | data table |
| F forcesupport F formatcolor | negatives | table |
| 1 101 11 10 11 11 11 11 11 11 11 11 11 1 | N attribute | |
| F formatgray | D data F enable | |
| F graytahay | F handler | |
| F graytohsv F handler | F register | |
| F hsvtogray | D registered | |
| F hsvtorgb | numbers | data table |
| F iccprofile | ofnode | function |
| F isblack | private | function |
| N main | showcurrent | function |
| S model | states | table |
| F mpcolor | F disabletrigge | |
| F mpoptions | F enabletrigger | |
| U none | F finalize | 11116 |
| F popset | F initialize | |
| F pushset | F process | |
| F register | F selective | |
| D registered | F stacked | |
| F registerspotcolor | | table |
| F rgb | N attribute | |
| F rgbtocmyk | D data | |
| F rgbtogray | F enable | |
| F rgbtohsv | F forcesupport | |
| N selector | F handler | |
| | | |

- U none
 F register
 D registered
 B supported
- B triggering F value

D values

- unsetvalue number
 viewerlayers table
 - N attribute
 D data
 F define

F enable

- F forcesupport F handler
- B hasorder
 D listwise
 F register
- D registered
 D scopes
- F setfeatures
- F start F stop
- B supported
- D values

backends (context)

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

| T blue | T palebl | Lue |
|--------------|---------------|-------|
| T gray | T palegr | ray |
| T green | T palegr | reen |
| T red | T palere | ed |
| T rulecolors | T red | |
| T black | F startsla | ant |
| T blue | T stopslar | nt |
| T gray | registrations | table |
| T green | tables | table |

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 doifalreadypla | ced | toxml function |
| F filterall | | |

blobs (context)

| append | function | new | function |
|------------|----------|-------|----------|
| dimensions | function | pack | function |
| dispose | function | write | function |

boolean (context)

tocontext function
tonumber function

buffers (context)

| append | function |
|----------------|----------|
| assign | function |
| collectcontent | function |
| erase | function |
| exists | function |
| getcontent | function |
| getlines | function |
| parallel | table |

F define

F hassomecontent

F next
F place
F reset
F save

raw function

builders (context)

| kernel | table | | F disable |
|------------|-------------|-------|------------------|
| F hyphe | nation | | F enable |
| F kerni | ng | | F optimize |
| F ligat | uring | | F setup |
| F mlist | _to_hlist | | F split |
| paragraphs | table | F | tag |
| T const | ructors | vspac | ing table |
| N att | ribute | F | analyze |
| F dis | able | D | categories |
| F ena | ble | F | collapsevbox |
| F han | dler | Т | data |
| T met | hods | | D map |
| F de | efault | | D skip |
| F or | neline | | D snapmethods |
| D name | es | F | definesnapmethod |
| D num | bers | В | fixed |
| F reg | ister | F | pagehandler |
| F set | | F | setmap |
| F keept | ogether | F | setskip |
| F regis | tertogether | F | snapbox |
| T solut | ions | F | tocategories |
| T spl | itters | F | tocategory |
| F de | efine | F | vboxhandler |
| | | | |

caches (context)

| ask | boolean | is_writable | function |
|-------------------------------|----------|----------------------|----------|
| base | string | loadcontent | function |
| ${\tt collapsecontent}$ | function | loaddata | function |
| configfiles | function | more | string |
| contentstate | function | relocate | boolean |
| defaults | table | savecontent | function |
| define | function | savedata | function |
| direct | boolean | setfirstwritablefile | function |
| force | boolean | setluanames | function |
| getfirstreadablefile | function | tree | string |
| ${	t getreadable} {	t paths}$ | function | treehash | function |
| ${	t getwritable path}$ | function | usedpaths | function |
| hashed | function | | |

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

| freeze | function | push | ${\tt function}$ |
|--------|------------|----------|------------------|
| known | function | register | ${\tt function}$ |
| list | data table | report | ${\tt function}$ |
| pop | function | table | ${\tt function}$ |

catcodes (context)

names data table
numbers data table
register function

characters (context)

| activeoffset | number | is_mark | data table |
|-----------------|------------|----------------------|------------|
| adobename | function | is_spacing | data table |
| bidi | data table | lcchars | data table |
| blocks | data table | lccode | function |
| casemap | 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 | ${	t mathpairs}$ | data table |
| data | data table | ranges | data table |
| decomposed | data table | registerentities | function |
| define | function | remap_hangul_syllabe | function |
| description | function | ${\tt remapentity}$ | function |
| descriptions | data table | setcodes | function |
| directions | data table | shape | function |
| enccodes | data table | shaped | function |
| entities | data table | shchars | data table |
| fallbacks | data table | shcodes | data table |
| filters | data table | specialchars | data table |
| flush | function | specials | data table |
| fromnumber | function | subscripts | table |
| fschars | data table | superscripts | table |
| fscodes | data table | ${	t synonyms}$ | data table |
| ${	t getrange}$ | function | tex | table |
| graphemes | data table | D accentmapping | |
| hangul | table | F defineaccents | |
| F decomposed | | F toutf | |
| F description | | tonumber | function |
| F leadconsonant | | ucchars | data table |
| T remapped | | uccode | function |
| initialize | function | uccodes | data table |
| is_character | data table | unicodechar | function |
| is_command | data table | upper | function |
| is_letter | data table | | |

chemicals (context)

| component | function | moleculeparser | ${\tt userdata}$ |
|-----------|----------|----------------|------------------|
| define | function | start | ${\tt function}$ |
| format | string | stop | function |
| inline | function | structures | number |
| instance | string | undefine | ${\tt function}$ |
| molecule | function | | |

commands (context)

| Alphabetic | function | clonefield | function |
|-------------------------------------|----------|--|----------|
| Character | function | collectfloat | function |
| Characters | function | collecthelp | function |
| MPd | function | colorcomponents | function |
| MPh | function | consultfloat | function |
| MP11 | function | copyfiletolog | function |
| MPlr | function | copyposition | function |
| MPp | function | counttwopassdata | function |
| MPplus | function | currentcomponent | function |
| MPpos | function | currentdate | function |
| MPrest | function | currentenvironment | function |
| MPul | function | currentproduct | function |
| MPur | function | currentproject | function |
| MPw | function | currentregime | function |
| MPx | function | dayname | function |
| MPxy | function | defineattribute | function |
| MPy | function | definebibtexsession | function |
| Romannumerals | function | definebreakpoint | function |
| abjadnodotnumerals | function | definebreakpoints | function |
| abjadnumerals | function | definecharacterspacing | function |
| addff | function | defineconversion | function |
| addfs | function | definedviewerlayer | function |
| addlinklistelement | function | definefield | function |
| addstructurecounter | function | definefieldset | function |
| addtojavascriptpreamble | function | definefilefallback | function |
| addtolist | function | definefilesynonym | function |
| allinputpaths | function | definefont_one | function |
| alphabetic | function | definefont_two | function |
| analysefloatmethod | function | definefontfeature | function |
| analyzelist | function | defineintermediatecolor | function |
| applytochars | function | definelinkedlist | function |
| applytowords | function | definemarking | function |
| assignbuffer | function | definemultitonecolor | function |
| autofinishstructurelevels | function | definemartionecolor | function |
| autonextspace | function | defineprocesscolor | function |
| autonextstructurelevel | function | definespotcolor | function |
| autosetups | function | definestructureblock | function |
| autostarttext | function | definestructurecounter | function |
| | function | definestructureset | function |
| autostoptext boolcase | function | | function |
| character | function | definetransparency | function |
| | function | definetwopasslist | function |
| characters checkcharactersinfont | function | defineviewerlayer defrostrandomseed | function |
| | | | |
| checkedconversion | function | digits | function |
| checkedpagefloat | function | disableregime | function |
| checkstructurecountersetup | function | disablespellchecking | function |
| checktwopassdata | function | doanalyzeframedbox | function |
| chineseallnumerals | function | doif | function |
| chinesecapnumerals | function | doifblackelse | function |
| chinesenumerals | function | doifcommonelse | function |
| cleanfontname | function | doifdimenstringelse | function |

| ${\tt doifdrawingblackelse}$ | function | filterreference | function |
|--|-------------------|--|-------------------|
| doifelse | function | finalizebox | function |
| doifelsebuffer | function | ${	t findtwopassdata}$ | function |
| doifelsecurrentfonthasfeature | function | firstinset | function |
| doifelseintwopassdata | function | firststructurecounter | function |
| doifelsemarking | function | flushfloat | function |
| doifelseparallel | function | flushpostponedblocks | function |
| ${\tt doifelsesavedfloat}$ | function | fontchar | function |
| doifelsespaces | function | fontcollectionclone | function |
| doifelsestructurecounter | function | fontcollectiondefine | function |
| doifelsevisualizer | function | ${	t fontcollection prepare}$ | function |
| doiffieldcategoryelse | function | fontcollectionregister | function |
| doiffieldelse | function | fontcollectionreport | function |
| doiffieldsetelse | function | fontcollectionreset | function |
| doiffiledefinedelse | function | fontlookupgetkey | function |
| doiffileexistelse | function | fontlookupgetkeyofindex | function |
| doiffirstcharelse | function | fontlookupinitialize | function |
| doifinputfileelse | function | fontlookupnoffound | function |
| doifinsetelse | function | forceendjob | function |
| doifleapyearelse | function | forcequitjob | function |
| doiflisthasnumberelse | function | format | function |
| doiflisthaspageelse | function | formatcolor | function |
| doiflocfileelse | function | formatgray | function |
| doifnot | function | freezerandomseed | function |
| doifnotstructurecounter | function | getbuffer | function |
| doifolderversionelse | function function | getbufferctxlua | function function |
| doifoverlappingelse | function | getbuffermkvi | function |
| doifparentfileelse | function | getdefaultfieldvalue getfieldcategory | function |
| doifpositionelse | function | getfirstcharacter | function |
| doifpositionsonsamepageelse doifpositionsonthispageelse | function | getfirstcharacter getfirsttwopassdata | function |
| doifstructurecounter | function | getflisttwopassdata | function |
| doifurldefinedelse | function | getlasttwopassdata | function |
| doprocesstypescriptfile | function | getmarking | function |
| doreshapeframedbox | function | getprivateattribute | function |
| dostarttextfile | function | getprivatechar | function |
| dostoptextfile | function | getrandomcounta | function |
| elapsedtime | function | getrandomcountb | function |
| enablecolor | function | getrandomseed | function |
| enablecolorintents | function | getreadfilename | function |
| enablefontcolorschemes | function | gettexbuffer | function |
| enableregime | function | gettwopassdata | function |
| enablespellchecking | function | gettwopassdatalist | function |
| enabletransparency | function | geturl | function |
| enhancelinkedlist | function | grabbuffer | function |
| enhancelist | function | helpaction | function |
| erasebuffer | function | helpreference | function |
| exportformdata | function | hexstringtonumber | function |
| featureattribute | function | hour | function |
| featurelist | function | hyphenatedlist | function |
| feedback | function | hyphenatedurl | function |
| fetchallmarks | function | D characters | |
| fetchonemark | function | N lefthyphenmin | |
| fetchtwomarks | function | D mapping | |
| | | | |

| N righthyphenmin | | percentageof | function |
|-----------------------------|-------------------|---------------------------------|-------------------|
| F setcharacters | | placeparallel | function |
| incrementedstructurecounter | function | popfloat | function |
| insertattachment | function | popitaliccorrection | function |
| insertcomment | function | poplist | function |
| insertfield | function | prepareMPvariable | function |
| insertrenderingwindow | function | preparebibtexsession | function |
| insertsoundclip | function | preparedfile | function |
| isleapyear | function | presetsymbollist | function |
| languagenumber | function | presettabulate | function |
| laststructurecounter | function | prevstructurecounter | function |
| lchexnumber | function | processbuffer | function |
| lchexnumbers | function | processedfile | function |
| leapyear | function | processedfiles | function |
| listlabel | function | processfile | function |
| listlocation | function | processfilemany | function |
| listprefixednumber | function | processfilenone | function |
| listprefixedpage | function | processfileonce | function |
| listrealpage | function | processlist | function |
| listsize | function | pushfloat | function |
| listtitle | function | pushitaliccorrection | function |
| listuserdata | function | pushlist | function |
| loadctxpreplist | function | rawcharacter | function |
| loadexamodes | function | rawdate | function |
| loadfontgoodies | function | referencepagestate | function |
| loadspellchecklist | function | referencerealpage | function |
| loadtypescriptfile | function | registerattachment | function |
| loadvisualizer | function | registerbibtexentry | function |
| locatefilepath | function | registerbibtexfile | function |
| locfilename | function | registerbookmark | function |
| mathrenderset | function | registerbuttons | function |
| maxitemwidth | function | registercolor | function |
| minute | function | registercolorintent | function |
| molecule | function | registeredviewerlayer | function |
| month | function | registerhelp | function |
| monthmnem | function | registeritemgroup | function |
| monthname | function | registermaintextcolor | function |
| mpcolor | function | registernamespace | function |
| mpoptions | function | registernamespace | function |
| namedstructureuservariable | function | registersoundclip | function |
| namedstructurevariable | function | registerstructureprocessor | function |
| nbfs | function | registerstructureprocessor | function |
| nextparallel | function | registerunit | function |
| nextstructurecounter | function | relatemarking | function |
| | function | removemissingcharacters | function |
| nofdays nofitems | function | _ | function |
| nofstackedfloats | function | replacemissingcharacters | function |
| | function | replacepospxywhd resavefloat | function |
| ntimes number | function function | resavelloat resetfontfeature | function |
| number octnumber | function | | function |
| | | resetmarking | |
| octstringtonumber | function | resetmathitalics | function |
| ordinal | function | resetnullfont | function |
| overloadbookmark | function | resetparallel | function function |
| pdfrotation | function | resetstructurecounter | Tunction |

| resetstructureprocessor | function | settagsorting | function |
|--|----------------|--|----------------|
| resettimer | function | settagsynonym | function |
| restartstructurecounter | function | settagtablecell | function |
| restorecurrentattributes | function | settagtabulatecell | function |
| restorestructurecounter | function | setupbookmarks | function |
| romannumerals | function | setupcanvas | function |
| runbuffer | function | setupcharacterspacing | function |
| savebuffer | function | setupexport | function |
| savecurrentattributes | function | setupfontexpansion | function |
| savefloat | function | setupfontprotrusion | function |
| saveparallel | function | setupidentity | function |
| savestructureblock | function | setupitaliccorrection | function |
| savestructurecounter | function | setxmpfile | function |
| savetaggedtwopassdata | function | showattributes | function |
| savetwopassdata | function | showchardata | function |
| second | function | showfontparameters | function |
| selectstructureblock | function | showhyphenatedinlist | function |
| setbreakpoints | function | showstructurecounter | function |
| setcharactercasing | function | splitfilename | function |
| setcharactercleaning | function | spotcolorname | function |
| setcharacterkerning | function | spotcolorparent | function |
| setcharacterspacing | function | spotcolorvalue | function |
| setcharacterstripping | function | startcolorset | function |
| setclosedocumentaction | function | startcomponent | function |
| setclosepageaction | function | startenvironment | function |
| setcolormodel | function | startproduct | function |
| setdigitsmanipulation | function | startproject | function |
| setfontfeature | function | startregime | function |
| setfontofid | function | starttag | function |
| setformat | function | starttext | function |
| setformsmethod | function | startviewerlayer | function |
| setmarking | function | stopcolorset | function |
| setmathalphabet | function | stopcomponent | function |
| setmathalternate | function | stopenvironment | function |
| setmathattribute | function | stopproduct | function |
| setmathitalics | function | stopproject | function |
| setmathstyle | function | stopregime | function |
| setopendocumentaction | function | stoptag | function |
| setopenpageaction | function | stoptext | function |
| setownstructurecounter | function | stopviewerlayer | function |
| setpagetransition | function | storejavascriptcode | function |
| setrandomseed | function | storejavascriptpreamble | function |
| setrealign | function | structureautocatcodedget | function |
| setreferencearguments | function | structurecatcodedget | function |
| setreferenceoperation | function | structurecountersubs | function |
| setstructureblockstate | function | structurecountervalue | function |
| setstructurecounter | function | structurecountervalue structuregivencatcodedget | function |
| settagcombination | function | structuregivencatcodedget | function |
| settageombination settagescription | function | structurenumber | function |
| settagdescription settagdescriptionsymbol | function | structureuservariable | function |
| settagfigure | function | structureuservariable | function |
| settaghighlight | function | subff | function |
| settagitemgroup | function | subfs | function |
| settagroup settagproperty | function | suchronizemarking | function |
| secoakhi ohei ch | 1 0110 0 1 011 | sancur oursemer king | 1 0110 0 1 011 |

| ${\tt tagged math function}$ | function | usetexfile | function |
|--------------------------------|----------|--------------------------------------|----------|
| testcase | function | useurl | function |
| textime | function | usexmlfile | function |
| ${\tt transparencycomponents}$ | function | usezipfile | function |
| triggereffect | function | utfchar | function |
| triggernegative | function | utfmathclass | function |
| truefilename | function | utfmathcommand | function |
| typebuffer | function | utfmathfiller | function |
| typefile | function | utfmathstretch | function |
| typestring | function | vspacing | function |
| uchexnumber | function | vspacingcollapse | function |
| uchexnumbers | function | vspacingdefine | function |
| unicodechar | function | ${\tt vspacingsetamount}$ | function |
| unit | function | vspacingsnap | function |
| updatefilenames | function | weekday | function |
| useMPlibrary | function | weekdayname | function |
| useanyfile | function | widthofstring | function |
| usecldfile | function | writestatus | function |
| usecolors | function | ${	t x_table_cleanup}$ | function |
| usecomponent | function | $x_{table_construct}$ | function |
| useenvironment | function | x_{table_create} | function |
| usefile | function | ${	t x_table_flush}$ | function |
| ${\tt usejavascriptpreamble}$ | function | ${\tt x_table_init_construct}$ | function |
| usejavascriptscripts | function | x_table_init_reflow_height | function |
| uselibrary | function | ${	t x_table_init_reflow_width}$ | function |
| useluafile | function | x_table_next_row | function |
| usemodules | function | x_table_reflow_height | function |
| usepath | function | x_table_reflow_width | function |
| useproduct | function | x_table_set_construct | function |
| useproject | function | x_table_set_reflow_height | function |
| usesubpath | function | x_table_set_reflow_width | function |
| usesymbols | function | year | function |
| | | | |

containers (context)

| cleanname | function | is_valid | function |
|-----------|----------|----------|----------|
| content | function | read | function |
| define | function | usecache | boolean |
| is_usable | function | write | function |

converters (context)

| Alphabetic | function | leapyear | function |
|------------------------------|----------|---------------------------|------------|
| Character | function | maxchrs | function |
| Characters | function | minute | function |
| Romannumerals | function | month | function |
| ${\tt abjad nodot numerals}$ | function | nofdays | function |
| abjadnumerals | function | number | function |
| alphabetic | function | octnumber | function |
| character | function | ${\tt octstringtonumber}$ | function |
| characters | function | ordinal | function |
| ${\tt chineseall numerals}$ | 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 |
| | | | |

coroutine (basic lua)

| сосо | boolean | running | function |
|------------|----------|---------|----------|
| create | function | status | function |
| cstacksize | function | wrap | function |
| resume | function | yield | function |

debug (basic lua)

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

dir (context)

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

directives (context)

| data | data table | name | string |
|---------|------------|----------|------------------|
| disable | function | register | ${\tt function}$ |
| enable | function | report | ${\tt function}$ |
| list | function | show | ${\tt function}$ |

document (context)

argumentsdata tablefilestablegetargumentfunctiongetfilenamefunction

setargumentfunctionsetdefaultargumentfunctionsetfilenamefunction

environment (context)

| argument | function |
|-----------------------------|------------|
| arguments | data table |
| engineflags | data table |
| files | table |
| filesynonyms | data table |
| homedir | string |
| initex | boolean |
| ${\tt initializearguments}$ | function |
| ${\tt inputfilebarename}$ | string |
| inputfilename | string |
| ${\tt inputfilesuffix}$ | string |
| ${	t jobfilename}$ | string |
| jobfilesuffix | string |
| loadedluacode | function |
| loadluafile | function |
| luafile | function |

| luafilechunk | function |
|--------------------------------|------------|
| originalarguments | data table |
| outputfilename | string |
| ownbin | string |
| ownname | string |
| ownpath | string |
| rawarguments | data table |
| ${\tt reconstructcommandline}$ | function |
| setargument | function |
| splitarguments | function |
| texfile | function |
| texmfos | string |
| texos | string |
| texroot | string |
| truefilename | function |

epdf (extra tex)

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

experiments (context)

| data | data table | name | string |
|---------|------------|----------|------------------|
| disable | function | register | function |
| enable | function | report | ${\tt function}$ |
| list | function | show | 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 | | mergegoodies | function |
| bitmapimage | function | nofprocessed | number |
| boxnumber | number | order | data table |
| cachepaths | data table | paths | data table |
| check | function | patterns | data table |
| checkers | data table | pop | function |
| converters | data table | ${\tt preferquality}$ | boolean |
| current | function | programs | data table |
| ${\tt defaultdepth}$ | number | push | function |
| defaultheight | number | ${\tt registerpattern}$ | function |
| ${\tt defaultsearch}$ | boolean | registerresource | function |
| defaultwidth | number | registersuffix | function |
| done | function | resources | data table |
| dummy | function | scale | function |
| existers | data table | setlookups | function |
| exists | function | setpaths | function |
| formats | data table | suffixes | data table |
| found | data table | tprint | function |
| get | function | used | data table |
| | | | |

file (basic lua)

| addsuffix | function | ${	t joinpath}$ | function |
|-------------------|----------|-------------------------|----------|
| basename | function | loadchecksum | function |
| checksum | function | nameonly | function |
| collapsepath | function | nametotable | function |
| сору | function | ${\tt needs_updating}$ | function |
| dirname | function | readdata | function |
| expandname | function | removesuffix | function |
| extname | function | replacesuffix | function |
| is_qualified_path | function | robustname | function |
| is_readable | function | savechecksum | function |
| is_rootbased_path | function | savedata | function |
| is_writable | function | splitname | function |
| isreadable | function | splitpath | function |
| iswritable | function | strip | function |
| join | function | suffix | function |

floats (context)

| analysemethod | function | nofstacked | function |
|--------------------------|----------|------------|----------|
| ${\tt checkedpagefloat}$ | function | pop | function |
| collect | function | push | function |
| consult | function | resave | function |
| flush | function | save | function |
| getvariable | function | stacked | function |

font (basic tex)

| current | function | id | function |
|---------|----------|-------------------|------------------|
| define | function | max | ${\tt function}$ |
| each | function | nextid | ${\tt function}$ |
| fonts | table | ${\tt read_tfm}$ | ${\tt function}$ |
| frozen | function | read_vf | ${\tt function}$ |
| getfont | function | setfont | ${\tt function}$ |

fontloader (extra tex)

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

fonts (context)

| analyzers table | S height |
|------------------------|--------------------------|
| D initializers | S width |
| D methods | T parameters |
| F setstate | S ascender |
| B useunicodemarks | S descender |
| checkers table | S designsize |
| F missing | T expansion |
| cid table | S auto |
| F getmap | S shrink |
| F loadfile | S step |
| collections table | S stretch |
| F clonevector | S extendfactor |
| F define | S factor |
| T definitions | S hfactor |
| F prepare | S mathsize |
| F process | T protrusion |
| F registermain | S auto |
| F report | S quad |
| F reset | S scaledpoints |
| T vectors | S scriptpercentage |
| constructors table | S scriptscriptpercentage |
| F applymanipulators | S size |
| F assignmathparameters | S slantfactor |
| B autocleanup | S slantperpoint |
| D cache | T spacing |
| F calculatescale | S extra |
| F checkedfeatures | S shrink |
| F checkedfilename | S stretch |
| F cleanuptable | S width |
| F collectprocessors | T synonyms |
| D designsizes | S em |
| D dontembed | S ex |
| F enhanceparameters | S extra_space |
| N factor | S extraspace |
| F finalize | S slant |
| F getfeatureaction | S space |
| F hashfeatures | S space_shrink |
| F hashinstance | S space_stretch |
| T hashmethods | S spaceshrink |
| F normal | S spacestretch |
| F virtual | S x_height |
| F initializefeatures | S units |
| T keys | S vfactor |
| T character | S xheight |
| S depth | T properties |
| S height | S autoitalicamount |
| S italic | T cidinfo |
| S width | S embedding |
| T description | S encodingbytes |
| T boundingbox | S filename |
| S depth | S finalized |

| S fontname | <pre>encodings table</pre> | |
|-----------------------------------|------------------------------|-----|
| S format | T agl | |
| S fullname | D cache | |
| S hasitalics | F is_known | |
| S hasmath | D known | |
| S mathitalics | F load | |
| S mode | F make_unicode_vector | |
| S name | D math | |
| S noglyphnames | N version | |
| S nostackmath | expansions data tal | ble |
| S psname | formats data tal | ble |
| S textitalics | goodies table | |
| S virtualized | T colorschemes | |
| D loadedfonts | F coloring | |
| T mathactions | T data | |
| S namemode | F enable | |
| F newfeatures | T designsizes | |
| N privateoffset | D data | |
| F readanddefine | F filename | |
| F registerfeature | F register | |
| B resolvevirtualtoo | F getcompositions | |
| F scale | T list | |
| F scaled | F compositions | |
| F setfactor | F designsizes | |
| F setname | F expansions | |
| N version | F featureset | |
| current function | F files | |
| currentid function definers table | F mathematics | |
| F addlookup | F protrusions F solutions | |
| F analyze | F typefaces | |
| F applypostprocessors | F load | |
| F checkedmode | F prepare_features | |
| F checkedscript | F register | |
| F current | F registerpostprocessor | |
| S defaultlookup | F report | |
| F define | handlers table | |
| F getspecification | T afm | |
| F loadfont | B addkerns | |
| F makespecification | B addligatures | |
| T methods | B addtexligatures | |
| F install | B autoprefixed | |
| D variants | D cache | |
| F read | D features | |
| F register | F load | |
| F registered | F setfeatures | |
| F registersplit | B syncspace | |
| F resetnullfont | N version | |
| F resolve | T otf | |
| T resolvers | F addfeature | |
| F file | D cache | |
| F name | T chainhandlers | |
| F spec | F normal | |
| definetypeface function | F verbose | |

| F collectlookups | F hasprivate |
|-----------------------------|-------------------------------|
| F dataset | F nametoslot |
| S defaultbasealternate | F setdigitwidth |
| S defaultnodealternate | iterators table |
| D enhancers | F characters |
| D features | F descriptions |
| F getalternate | F glyphs |
| T glists | loggers table |
| F load | T category_to_placeholder |
| F scriptandlanguage | S 11 |
| F setcontextchain | S 1m |
| F setdynamics | S lo |
| F setfeatures | S lt |
| T tables | S lu |
| D baselines | S mc |
| D features | S me |
| D languages | S mn |
| D scripts | S nd |
| N version | S nl |
| T pfb | S no |
| T tfm | S pc |
| D features | S pd |
| F setfeatures | S pe |
| T vf | S pf |
| T combinations | S pi |
| F combine | S po |
| T combiner | S ps |
| D commands | S sc |
| F find | S sk |
| D helpers | S sm |
| D math | S so |
| D predefined | F format |
| D whatever | F onetimemessage |
| hashes table | F register |
| D characters | F reportdefinedfonts |
| D csnames | F reportusedfeatures |
| D descriptions | mappings table |
| T dynamics D identifiers | F addtounicode |
| D italics | F fromunicode16 F loadfile |
| D marks | F loadline |
| | F loadline F loadlumtable |
| D parameters T processes | F makenameparser |
| D properties | F reset |
| D quads | F tounicode16 |
| D resources | F tounicode16sequence |
| T setdynamics | names table |
| D xheights | S basename |
| helpers table | B be_clever |
| F addprivate | D cache |
| F dimenfactor | F cleanfilename |
| F getdigitwidth | F cleanname |
| F getparameters | F collect |
| F getprivatenode | F collectfiles |
| | |

| F | collectspec | F | splitspec | |
|---|-----------------------|-------|---------------|------------|
| T | data | N | version | |
| В | enabled | F | writedata | |
| F | exists | proti | rusions | data table |
| T | filters | reade | ers | table |
| | F afm | F | afm | |
| | F dfont | F | check_lua | |
| | T list | F | check_tfm | |
| | T names | F | dfont | |
| | F otf | F | lua | |
| | T paths | F | opentype | |
| | F pfb | F | otf | |
| | F ttc | F | pfb | |
| | F ttf | D | sequence | |
| S | fontconfigfile | F | tfm | |
| F | getfilename | F | ttc | |
| F | getlookupkey | F | ttf | |
| F | getlookups | spec | ifiers | table |
| F | getpaths | D | contextmerge | d |
| F | identify | F | contextnumber | r |
| F | is_permitted | D | contextnumber | rs |
| F | list | D | contextsetup | S |
| F | load | F | contexttostr | ing |
| В | loaded | F | mergecontext | |
| F | lookup | F | presetcontex | t |
| F | noflookups | F | registercont | ext |
| S | osfontdirvariable | F | showcontext | |
| F | readdata | F | splitcontext | |
| F | register | D | synonyms | |
| F | registered | D | variants | |
| F | resolve | symbo | ols | table |
| F | resolvedspecification | F | uselibrary | |
| F | resolvespec | table | es | table |
| В | saved | trace | ers | table |

F specification
D specifications

typefaces

data table

gzip (extra lua)

close function
lines function
open function

img (basic tex)

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

interactions (context)

D preambles

attachments table F setpreamble F insert F storecode F register F storepreamble fields table F usepreamblenow F clone F usescripts linkedlists table F define F defineset pages table F insert F setpagetransition general table F setupcanvas F getidentity references table F setclosedocument F setupidentity help table F setclosepage F collect ${\tt F} \ {\tt setopendocument}$ F reference F setopenpage F register renderings table javascripts table F register F addtopreamble F rendering F code F var soundclips table D codes F flushpreambles F insert D functions F register

interfaces (context)

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

io (basic lua)

| ask | function | out | table |
|-----------------|----------|----------------|---------------------|
| bytes | function | F inhibit | |
| characters | function | D modes | |
| checkopeners | function | F permit | |
| close | function | output | function |
| exists | function | pathseparator | string |
| fileseparator | string | popen | overloaded function |
| finalizeopeners | function | read | function |
| flush | function | readnumber | function |
| inp | table | readstring | function |
| F inhibit | | registeropener | function |
| D modes | | savedata | function |
| F permit | | size | function |
| input | function | stderr | userdata |
| lines | function | stdin | userdata |
| loaddata | function | stdout | userdata |
| noflines | function | tmpfile | function |
| open | function | type | function |
| open_ro | function | write | function |

job (context)

D tobesaved

| | f at i a | | | +- h]- |
|-------------|----------|-------|----------------------------------|----------------|
| comment | function | _ | ions | |
| | function | _ | collected | 1 |
| files | table | | сору | |
| D collected | 1 | | depth | |
| F context | | | extra | |
| B forcerun | | | height | |
| F run | | = | lowerleft | - |
| D tobesaved | | | lowerrigh | |
| initialize | function | | onsamepag | |
| load | function | F | overlappi | ing |
| loadother | function | F | page | |
| objects | table | F | ${\tt position}$ | |
| D collected | i | F | replace | |
| F doifelse | | F | setall | |
| F get | | F | $\operatorname{\mathtt{setdim}}$ | |
| F number | | F | setraw | |
| F page | | D | tobesaved | i |
| F save | | F | upperleft | 5 |
| F set | | F | upperrigh | nt |
| D tobesaved | i | F | v | |
| pack | boolean | F | width | |
| passes | table | F | x | |
| F check | | F | xy | |
| D collected | i | F | у | |
| F count | | regis | ster | function |
| F define | | save | | function |
| F find | | struc | ture | table |
| F first | | D | collected | i |
| F get | | T | tobesaved | i |
| F getcolled | cted | | T branche | es |
| F getdata | | | S name | |
| F getfield | | | S type | |
| F gettobesa | aved | varia | bles | table |
| F inlist | | D | checksums | 3 |
| F last | | D | collected | i |
| F list | | F | save | |
| F save | | | tobesaved | i |
| F savetagge | ed | versi | on | number |
| | | | | |

lang (basic tex)

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

| new | function |
|------------------|----------|
| patterns | function |
| postexhyphenchar | function |
| posthyphenchar | function |
| preexhyphenchar | function |
| prehyphenchar | function |

languages (context)

associate function associated data table association function counters data table function current data table data define function exceptions function getnumber function hyphenate function installed function table labels

F define F split

lefthyphenmin function loadable function loadwords function table logger

F report

numbers posthyphenchar prehyphenchar registered righthyphenmin function setdirty synonymversion words

F check T data F disable F enable T enablers B enables F found F load T methods N threshold data table function function data table function function number table

layouts (context)

status table

F isleftpage

F leftorrightpagection

lfs (extra lua)

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

libraries (context)

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

lmx (context)

| convert | function |
|---------------|----------|
| escape | function |
| get | function |
| htmfile | function |
| include | function |
| lmxfile | function |
| loadedfile | function |
| make | function |
| new | function |
| overloaderror | function |
| popupfile | function |
| print | function |

| pv | function |
|---------------|------------|
| reset | function |
| result | function |
| set | function |
| show | function |
| showdebuginfo | function |
| showerror | function |
| tv | function |
| type | function |
| urlescape | function |
| variable | function |
| variables | data table |

logs (context)

| ${	t application}$ | function | setmessenger | function |
|--------------------|----------|-------------------|----------|
| categories | function | ${	t setprogram}$ | 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 | id | function |
|--------------------------------|------------|---------------------------|----------|
| adddocumentcolorspace | function | injectxmpinfo | function |
| adddocumentextgstate | function | insertxmpinfo | function |
| adddocumentpattern | function | javascript | function |
| adddocumentshade | function | launch | function |
| addtocatalog | function | layerreference | function |
| addtoinfo | function | limited | function |
| addtonames | function | linearshade | function |
| addtopageattributes | function | link | function |
| addtopageresources | function | null | function |
| addtopagesattributes | function | number | function |
| addxmpinfo | function | pagedestination | function |
| array | function | pagereference | function |
| boolean | function | pdfcolor | function |
| checkedkey | function | pdftimestamp | function |
| checkedvalue | function | protectresources | boolean |
| circularshade | function | reference | function |
| cmykcode | function | registerannotation | function |
| collectedresources | function | registerdocumentfinalizer | function |
| color | function | registerpagefinalizer | function |
| colorspace | function | reserveannotation | function |
| colorspec | function | reserveobject | function |
| colorvalue | function | rgbcode | function |
| colorvalues | function | rotationcm | function |
| constant | function | shareobject | function |
| delayedobject | function | shareobjectreference | function |
| dictionary | function | spotcode | function |
| epdf | table | stream | function |
| F load | | string | function |
| finalizedocument | function | timestamp | function |
| finalizepage | function | toeight | function |
| ${	t finishtransparencycode}$ | function | tosixteen | function |
| flushobject | function | transparency | function |
| ${	t flush stream fileobject}$ | function | transparencycode | function |
| flushstreamobject | function | transparencyvalue | function |
| formats | data table | unicode | function |
| graycode | function | verbose | function |

lpeg (basic lua)

| C | function | endstripper | function |
|--------------|----------|-------------------------------|------------|
| | | | |
| Carg | function | firstofsplit | function |
| СЪ | function | ${	t frontstripper}$ | function |
| Cc | function | is_lpeg | function |
| Cf | function | keeper | function |
| Cg | function | locale | function |
| Cmt | function | match | function |
| Ср | function | oneof | function |
| Cs | function | patterns | data table |
| Ct | function | print | function |
| P | function | replacer | function |
| R | function | ${\tt secondofsplit}$ | function |
| S | function | span | 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 | ${\tt utfchartabletopattern}$ | function |
| count | function | version | function |
| counter | function | | |
| | | | |

ltn12 (extra lua)

| BLOCKSIZE filter | number table | F simplify F table |
|------------------|--------------|-----------------------|
| F chain | table | source table |
| r chain | | Source capie |
| F cycle | | F cat |
| pump | table | F chain |
| F all | | F empty |
| F step | | F error |
| sink | table | F file |
| F chain | | F rewind |
| F error | | F simplify |
| F file | | F string |
| F null | | |

lua (basic tex)

bytecode table data table bytedata bytedone table collectgarbage function function delay finalize function firstbytecode number flush function flushdelayed function getbytecode function getluaname function lastbytecode number

data table messages name table numbers data table registercode function registeredcodes function registerfinalizer function registernamefunction setbytecode function setluaname function startupfile string version string

luatex (context)

| cleanuptempfiles | function | showjobstat | function |
|-----------------------------|----------|-------------|----------|
| registerstartactions | function | showtexstat | function |
| ${\tt registerstopactions}$ | function | starttime | number |
| registertempfile | function | | |

lxml (context)

| addindex | function | last | function |
|-----------------|-----------------|--------------------------|------------|
| all | function | load | function |
| applyfunction | function | loadbuffer | function |
| att | function | loaddata | function |
| attribute | function | loaded | table |
| chainattribute | function | | function |
| chainattribute | function | loadregistered main | function |
| collected | function | main match | function |
| | function | | function |
| command | | name | |
| concat | function | namespace | function |
| concatrange | function | nonspace | function |
| content | function | pos | function |
| context | function | position | function |
| convert | function | raw | function |
| count | function | rawroot | function |
| delete | function | register | function |
| direct | function | registerentity | function |
| directives | table | removesetup | function |
| F after | | resetcdata | function |
| F before | | resetsetups | function |
| F handle | | resolvedentity | function |
| F load | | root | function |
| F setup | | serialize | function |
| displayverbatim | function | setaction | function |
| doif | function | setcdata | function |
| doifelse | function | setcommandtonone | function |
| doifelsetext | function | ${\tt setcommandtotext}$ | function |
| doifnot | function | setsetup | function |
| doifnottext | function | snippet | function |
| doiftext | function | sorters | table |
| element | function | F add | |
| elements | function | F compare | |
| entities | data table | F flush | |
| filter | function | F reset | |
| filterlist | function | F show | |
| first | function | F sort | |
| flush | function | splitid | function |
| flushlinewise | function | startraw | function |
| flushsetups | function | stopraw | function |
| flushspacewise | function | store | function |
| get_id | <u>function</u> | strip | function |
| getid | function | stripped | function |
| getindex | function | tag | function |
| id | function | text | function |
| idsplitter | userdata | tofile | function |
| include | function | toparameters | function |
| index | function | toverbatim | function |
| info | function | verbatim | function |
| inlineverbatim | function | withindex | function |
| installsetup | function | xmltexhandler | data table |
| Installedap | 1 4110 0 1 0 11 | | |

math (basic lua)

| abs | function |
|-------|----------|
| acos | function |
| asin | function |
| atan | function |
| atan2 | function |
| ceil | function |
| cos | function |
| cosd | function |
| cosh | function |
| deg | function |
| div | function |
| even | function |
| exp | function |
| floor | function |
| fmod | function |
| frexp | function |
| huge | number |
| ldexp | function |
| log | function |
| log10 | function |
| | |

| max | function |
|------------------------|---------------------|
| min | function |
| mod | $ \hbox{function} $ |
| modf | function |
| odd | ${\tt function}$ |
| pi | number |
| pow | function |
| rad | $ \hbox{function} $ |
| random | function |
| randomseed | function |
| round | ${\tt function}$ |
| ${\tt setrandomseedi}$ | ${\tt function}$ |
| sin | function |
| sind | function |
| sinh | ${\tt function}$ |
| sqrt | ${\tt function}$ |
| tan | function |
| tand | ${\tt function}$ |
| tanh | $ \hbox{function} $ |

mathematics (context)

| addfallbacks | function | ${\tt overloadparameters}$ | function |
|-------------------------------|------------|------------------------------|----------|
| alphabets | data table | privatebase | number |
| big | function | ${\tt remapalphabets}$ | function |
| boldmap | table | renderings | table |
| categories | table | D mappings | |
| D functions | | D numbers | |
| ${\tt checkaccentbaseheight}$ | function | D sets | |
| checkprivateparameters | function | renderset | function |
| classes | data table | resetitalics | function |
| codes | data table | ${	t scale} {	t parameters}$ | 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 |
| families | data table | tostyle | function |
| gaps | table | utfmathclass | function |
| getboth | function | ${\tt utfmathcommand}$ | function |
| getstyle | function | utfmathfiller | function |
| initializeparameters | function | ${\tt utfmathstretch}$ | function |
| makefont | function | | |

md5 (extra lua)

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

metapost (context)

| 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 exectime table N nofconverted number filterclippath function multipass boolean finder function optimize boolean flush function optimize poolean flushers table parse function F flushfigure pocess function F startfigure process function F startfigure reporterror function flushieral function reset function flushieral function resetlastlog | analyzeplugins | function | makempy | table |
|--|-------------------------------|----------|-------------------|----------|
| colorinitializer function metafun Finterpolate defaultformat string F topath directrun function method number edefsxsy function mptopdf table scaped function exectime table | checkformat | function | N nofconverted | |
| convert function F interpolate defaultformat string F topath directrun function method number edefsxsy function mptopdf table escaped function F convertmpstopdf exectime exectime table N nofconverted filterclippath function multipass boolean finder function optimize boolean flush function optimize boolean flush function pdfliterals function F comment pluginactions function F comment pluginactions function F flushfigure process function F startfigure process function F startfigure process function F stopfigure reducetogray boolean F textfigure reporterror function flushliteral function resetlastlog function flushmormalpa | checktexts | function | F processgraphics | |
| defaultformat string F topath directrun function method number edefaxsy function mptopdf table escaped function F convertmpstopdf table exectime table N nofconverted boolean filterclippath function n number finder function optimize boolean flush function pdfliterals function flushers table parse function F flushfigure process function F startfigure process function F startfigure processplugins function F startfigure processplugins function flushliteral function resetlastlog function flushiliteral function resetlastlog function flushnormalpath function resetlastlog function format function resetlastlog function getclippath function setext function graphic_base_ | colorinitializer | function | metafun | table |
| directrun function method number edefsxsy function mptopdf table escaped function F convertmpstopdf table exectime table N nofconverted N nofconverted filterclippath function n number number finder function optimize boolean flush function parse function flushers table parse function F comment pluginactions function F flushfigure process function F startfigure process function F stopfigure reducetogray boolean F textfigure reporterror function flushiteral function reset function flushnormalpath function resetlastlog function flushnormalpath function resetlastlog function format function resetlastlog function getclippath function setext function getclippath | convert | function | F interpolate | |
| edefsxsyfunctionmptopdftableexactimetableN nofconvertedfilterclippathfunctionmultipassbooleanfinderfunctionnnumberflushfunctionoptimizebooleanflusherstableparsefunctionT pdfpdfliteralsfunctionF commentpluginactionsfunctionF flushfigureprocessfunctionF startfigureprocesspluginsfunctionF textfigurereducetograybooleanF textfigurereporterrorfunctionflushliteralfunctionresetfunctionflushnormalpathfunctionresetlastlogfunctionflushresetfunctionresetlastlogfunctionformatfunctionresettextextsfunctionformatnumberfunctionsetoutercolorfunctiongetclippathfunctionsettextfunctiongettextfunctionsettextfunctiongraphic_base_passfunctionF getgraphic_extra_passfunctionF resetintermediatetableF resetT actionsF setF makempytexerrorsbooleantextextsdatafunctionlastlogstringtotablefunction | defaultformat | string | F topath | |
| escaped function F convertmpstopdf exectime table N nofconverted filterclippath function multipass boolean finder function n number flush function optimize boolean flushers table parse function F comment pluginactions function F flushfigure process function F startfigure process function F stopfigure reducetogray boolean flushliteral function reset function flushiteral function reset function flushreset function resetlastlog function format function resetlustlog function format function resetlustring function format function setoutercolor function formatnumber function setoutercolor function getclippath function settext function gettext function settext function gettext function function function gettext function function gettext function function gettext function function function showlog boolean graphic function function function function function gettext function functi | directrun | function | method | number |
| exectime table N nofconverted filterclippath function multipass boolean finder function n number flush function optimize boolean flushers table parse function pdfliterals function F comment pluginactions pulginactions function F flushfigure process function process function F startfigure process function F stopfigure reducetogray boolean flushiteral function reset function flushnormalpath function resetlastlog function flushreset function resetlastlog function format function setoutercolor function format function setoutercolor function getclippath function settext function gettext function settext function gettext function from tex graphic_base_pass function F set T actions function F set T actions function setpendiate table F set T actions function showlog boolean function functi | edefsxsy | function | mptopdf | table |
| filterclippath finderfunction functionmultipassbooleanflushfunctionoptimizebooleanflusherstableparse pdfliteralsfunctionT pdfpdfliteralsfunctionF commentpluginactionsfunctionF flushfigureprocessfunctionF startfigureprocesspluginsfunctionF stopfigurereducetograybooleanF textfigurereporterrorfunctionflushnormalpathfunctionresetlastlogfunctionflushnormalpathfunctionresetlastlogfunctionformatfunctionresetlastlogfunctionformatnumberfunctionresettextextsfunctiongetclippathfunctionsetoutercolorfunctiongettextfunctionsettextfunctiongraphic_base_passfunctionfr getgraphic_base_passfunctionF getgraphic_extra_passfunctionF resetintermediatetableF setT actionsF makempytexerrorsbooleanF makempytexerrorsbooleanB neededtheclippathfunctionlastlogstringtotablefunction | escaped | function | F convertmpstopdf | |
| 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 textfigure reducetogray boolean flushliteral function reset function flushnormalpath function resetlastlog function flushreset function resetlastlog function format function resetlastlog function formatnumber function setoutercolor function getclippath function setext function getclippath function F get graphic_base_pass function F reset intermediate table F set T actions respect function | exectime | table | N nofconverted | |
| 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 textfigure reporterror function flushnormalpath function resetlastlog function flushnormalpath function resetlastlog function format function resetlastlog function formatnumber function resettextexts function getclippath function settext function gettext function showlog boolean graphic function F get graphic_base_pass function F reset intermediate table F set T actions texerrors boolean F makempy texerrors boolean f mction | filterclippath | function | multipass | boolean |
| Flushers table parse function | finder | function | n | number |
| T pdf F comment F comment F flushfigure F startfigure F stopfigure F textfigure F tunction flushnormalpath f function format f function getclippath f function getclippath f function gettext f function gettext f function getpanhic_base_pass f function graphic_extra_pass intermediate T actions F makempy B needed String F totable F set Function f function g textextsdata f function g heecled F makempy F makempy L textextsdata f function g textextsdata f function g textextsdata f function g heecled F makempy F totable F function f | flush | function | optimize | boolean |
| F comment F flushfigure F startfigure F startfigure F stopfigure F stopfigure F textfigure F tex | flushers | table | parse | function |
| F flushfigure F startfigure F stopfigure F stopfigure F textfigure F t | T pdf | | pdfliterals | function |
| F startfigure F stopfigure F textfigure F te | F comment | | pluginactions | function |
| F stopfigure F textfigure F textfigure flushliteral function flushnormalpath function flushreset function format format function getclippath function getclippath function gettext function gettext function getphic function function format function gettext function gettext function gettext function format function function gettext function gettext function format function gettext function gettext function format function format function function function format function function format function function function getclippath function function gettext function format function function format function funct | F flushfigure | | process | function |
| F textfigure flushliteral function flushnormalpath function flushreset function format format format format format function setoutercolor function getclippath function gettext function gettext function gettext function showlog boolean graphic graphic_base_pass function graphic_extra_pass function F get graphic_extra_pass function F reset intermediate table F set T actions F makempy textextsdata function B needed theclippath function lastlog string totable function | F startfigure | | processplugins | function |
| flushliteral function reset function flushnormalpath function resetlastlog function flushreset function resetplugins function format function resettextexts 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 textextsdata function B needed theclippath function lastlog string totable function | F stopfigure | | reducetogray | boolean |
| flushnormalpathfunctionresetlastlogfunctionflushresetfunctionresetpluginsfunctionformatfunctionresettextextsfunctionformatnumberfunctionsetoutercolorfunctiongetclippathfunctionsettextfunctiongettextfunctionshowlogbooleangraphicfunctionF getgraphic_base_passfunctionF resetintermediatetableF setT actionstexerrorsbooleanF makempytextextsdatafunctionB neededtheclippathfunctionlastlogstringtotablefunction | F textfigure | | reporterror | function |
| flushreset function resetplugins function format function resettextexts 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 F makempy textextsdata function F makempy textextsdata function textextsdata function textextsdata function showlog boolean function textextsdata function function function function function function | flushliteral | function | reset | function |
| format function resettextexts 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 F makempy F makempy B needed Lastlog string T oction resettextexts function setoutercolor function frest textexts boolean textexts function function function textexts function function function function function function function function function | flushnormalpath | function | resetlastlog | function |
| formatnumberfunctionsetoutercolorfunctiongetclippathfunctionsettextfunctiongettextfunctionshowlogbooleangraphicfunctiontextablegraphic_base_passfunctionF getgraphic_extra_passfunctionF resetintermediatetableF setT actionstexerrorsbooleanF makempytextextsdatafunctionB neededtheclippathfunctionlastlogstringtotablefunction | flushreset | function | resetplugins | function |
| getclippath gettext graphic graphic_base_pass intermediatefunction function function functionshowlog tex texboolean tablegraphic_base_pass graphic_extra_pass intermediatefunction tableF get F resetT actions F makempy B neededtexerrors textextsdata theclippath theclippath functionB needed lastlogstringtotablefunction | format | function | resettextexts | 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 textextsdata function B needed string string totable function | formatnumber | function | setoutercolor | function |
| 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 textextsdata function B needed theclippath function lastlog string totable function | getclippath | function | settext | function |
| graphic_base_pass function F get graphic_extra_pass function F reset intermediate table F set T actions texerrors boolean F makempy textextsdata function B needed theclippath function lastlog string totable function | gettext | function | showlog | boolean |
| graphic_extra_pass function F reset intermediate table F set T actions texerrors boolean F makempy textextsdata function B needed theclippath function lastlog string totable function | graphic | function | tex | table |
| intermediate table F set T actions texerrors boolean F makempy textextsdata function B needed theclippath function lastlog string totable function | <pre>graphic_base_pass</pre> | function | F get | |
| Tactions texerrors boolean F makempy textextsdata function B needed theclippath function lastlog string totable function | <pre>graphic_extra_pass</pre> | function | F reset | |
| F makempy B needed theclippath function tastlog string totable function | intermediate | table | F set | |
| B needed theclippath function lastlog string totable function | T actions | | texerrors | boolean |
| lastlog string totable function | F makempy | | textextsdata | function |
| 8 | B needed | | theclippath | function |
| load function unload function | lastlog | string | totable | function |
| | load | function | unload | function |

mime (extra lua)

| b64 | function | qр | | function |
|-----------|------------|-------|---------|------------|
| decode | function | qpwrp | | function |
| decodet | table | stuff | | function |
| F base64 | | unb64 | | function |
| F quoted | -printable | unqp | | function |
| dot | function | wrap | | function |
| encode | function | wrapt | | table |
| encodet | table | F | base64 | |
| F base64 | | F | defaul | t |
| F quoted | -printable | F | quoted- | -printable |
| eol | function | F | text | |
| normalize | function | 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)

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

nodes (context)

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

| F pdfdirect | | setunsetattributes | function |
|---------------------------|-------------------|------------------------|------------|
| F pdfliteral | | shifts | table |
| F pdfrestore | | D data | 00010 |
| F pdfsave | | F define | |
| F pdfsetmatrix | | F enable | |
| F penalty | | F handler | |
| F register | | show | function |
| F rightmarginkern | | showboxes | function |
| F rightskip | | showcodes | function |
| F rule | | showlist | function |
| F shrink | | showsimplelist | function |
| F special | | skipcodes | data table |
| F stretch | | somepenalty | function |
| F temp | | somespace | function |
| F textdir | | stripping | table |
| F usage | | T glyphs | |
| T userids | | F set | |
| N margins.inline | | striprange | function |
| N splitters.one | | tasks | table |
| N splitters.two | | F actions | |
| F userlist | | F appendaction | |
| F usernumber | | F disableaction | |
| F userstring | | F disablegroup | |
| F usertokens | | F enableaction | |
| F zeroglue | | F enablegroup | |
| print | function | F freeze | |
| processors | table | F freezegroup | |
| B enabled | | F new | |
| F hpack_filter | | F prependaction | |
| F post_linebreak_filter | | F removeaction | |
| F pre_linebreak_filter | | F restart | |
| F tracer | | F showactions | |
| processwords | function | F table | |
| reference | function | textdir_is_equal | data table |
| references | table | textdir_is_is | data table |
| N attribute | | textdir_is_opposite | data table |
| T done | | textdir_is_parallel | data table |
| F handler | | tonodes | function |
| T stack | | tosequence | function |
| remove | function | totable | function |
| repackhlist | function | toutf | function |
| replace | function function | tracers | table |
| report | | T characters | |
| rightmarginwidth rules | function table | F collect | |
| | cable | F equal F indices | |
| D data F define | | F start | |
| F enable | | | |
| F handler | | F string F unicodes | |
| save | function | T colors | |
| serialize | function | F reset | |
| serializebox | function | F set | |
| setattribute | function | F fontchar | |
| setattributes | function | F start | |
| | | - 20020 | |

| T st | teppers |
|------|----------|
| F | check |
| F | codes |
| F | features |
| F | glyphs |
| F | message |
| F | messages |
| F | nofsteps |
| F | register |

F reset

| F start |
|------------------------|
| F stop |
| F stop |
| ${\tt unsetattribute}$ |
| unsetattributes |
| visualizebox |
| whatcodes |

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 |
| tobasepoints | function | toscaledpoints | function |
| tobitstring | function | toset | function |
| tocentimeters | function | | |

os (basic lua)

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

package (basic lua)

| appendtolibpath | function |
|-----------------|----------|
| clibpaths | function |
| config | string |
| cpath | string |
| libpaths | function |
| loaded | table |

loaders
loadlib
path
preload
prependtolibpath
seeall
table
function
function

pdf (basic tex)

| immediateobj | function | pageresources | string |
|----------------|----------|-----------------|----------|
| mapfile | function | pagesattributes | string |
| mapline | function | pdfmapfile | function |
| maxobjnum | function | pdfmapline | function |
| obj | function | print | function |
| objtype | function | refobj | function |
| pageattributes | string | registerannot | function |
| pageref | function | reserveobi | function |

physics (context)

| units table | S Hz |
|-------------|-------------|
| T tables | S W |
| T shortcuts | S b |
| T operators | S g |
| S * | S h |
| S. | S hz |
| S / | S 1 |
| S: | S lx |
| T prefixes | S m |
| S E | S n |
| S G | S s |
| S M | S t |
| S P | S v |
| S T | s °c |
| S Y | S |
| S Z | T units |
| S a | T operators |
| S c | S OutOf |
| S d | S Per |
| S da | S Solidus |
| S f | S Times |
| S h | T packaged |
| S k | S Micron |
| S m | S mmHg |
| S n | T prefixes |
| S p | S Atto |
| S u | S Centi |
| S y | S Deca |
| S z | S Deci |
| T suffixes | S Exa |
| S +1 | S Exbi |
| S +2 | S Femto |
| S +3 | S Gibi |
| S -1 | S Giga |
| S -2 | S Hecto |
| S -3 | S Kibi |
| S 1 | S Kilo |
| S 2 | S Mebi |
| S 3 | S Mega |
| S ^+1 | S Micro |
| s ^+2 | S Milli |
| s ^+3 | S Nano |
| S ^-1 | S Pebi |
| S ^-2 | S Peta |
| s ^-3 | S Pico |
| S ^1 | S Root |
| S ^2 | S Tebi |
| S ^3 | S Tera |
| T units | S Yobi |
| S A | S Yocto |
| S B | S Yotta |
| | |

| C 7ahi | |
|---|---|
| S Zebi | S Fahrenheit |
| S Zepto | S Farad |
| S Zetta | S Foot |
| T suffixes | S Gal |
| S Cubic | S Gauss |
| S ICubic | S Gon |
| S ILinear | S Grad |
| S ISquare | S Gram |
| S Inverse | S Gray |
| S Linear | S Hectare |
| S Square | S Henry |
| T symbols | S Hertz |
| S % | S Hg |
| S ArcMinute | S Hour |
| S ArcSecond | S Inch |
| S Degree | S Joule |
| S Degrees | S Katal |
| S Percent | S Kelvin |
| S Permille | S Knot |
| S Promille | S Liter |
| S ° | S Litre |
| S | S Lumen |
| S | S Lux |
| T units | S Maxwell |
| S AMU | S Meter |
| S Ampere | S Metre |
| S Angstrom | S Metric Ton |
| S Astronomical Unit | S Minute |
| b mbdfdhomfddf dhfd | D IIIIaoc |
| S Atm | S Mol |
| S Atm | S Mole |
| S Atmosphere | S Mole |
| S Atmosphere S Atomic Mass Unit | S Mole S Nautical Mile |
| S Atmosphere S Atomic Mass Unit S Bar | S Mole S Nautical Mile S Neper |
| S Atmosphere S Atomic Mass Unit S Bar S Barn | S Mole S Nautical Mile S Neper S Newton |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud | S Mole S Nautical Mile S Neper S Newton S Oersted |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton S Day | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert S Steradian |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton S Day S Degree Celsius | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert S Steradian S Stilb |
| S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton S Day S Degree Celsius S Degree Fahrenheit | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert S Steradian S Stilb S Stokes |
| S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton S Day S Degree Celsius S Degrees Celsius | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert S Steradian S Stilb S Stokes S Tesla |
| S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton S Day S Degree Celsius S Degree Fahrenheit | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert S Steradian S Stilb S Stokes |
| S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton S Day S Degree Celsius S Degrees Celsius | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert S Steradian S Stilb S Stokes S Tesla |
| S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton S Day S Degree Celsius S Degrees Fahrenheit S Degrees Fahrenheit | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert S Steradian S Stilb S Stokes S Tesla S Tonne |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton S Day S Degree Celsius S Degrees Celsius S Degrees Fahrenheit S Dyne | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert S Steradian S Stilb S Stokes S Tesla S Tonne S Volt |
| S Atmosphere S Atomic Mass Unit S Bar S Barn S Baud S Bel S Bequerel S Bit S Byte S Cal S Calorie S Candela S Celsius S Coulomb S Dalton S Day S Degree Celsius S Degrees Fahrenheit S Dyne S Electron Volt | S Mole S Nautical Mile S Neper S Newton S Oersted S Ohm S Pascal S Phot S Poise S Radian S Rev S Revolution S Second S Siemens S Sievert S Steradian S Stilb S Stokes S Tesla S Tonne S Volt S Watt |

profiler (extra lua)

pausefunctionstartfunctionresumefunctionstopfunction

regimes (context)

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

resolvers (context)

| | _ | _ | |
|--|-----------------|---------------------------------|------------|
| allprefixes | function | getownpath | function |
| appendhash | function | getreadfilename | function |
| automount | function | hashers | data table |
| automounted | table | homedir | string |
| booleanvariable | function | ${\tt installinputfilehandler}$ | function |
| cacheversion | string | ${\tt installinputlinehandler}$ | function |
| checkedvariable | function | instance | table |
| cleanpath | function | D data | |
| cleanpathlist | function | B diskcache | |
| concatinators | data table | D environment | |
| configbanner | string | D expansions | |
| criticalvars | data table | D fakepaths | |
| dangerous | data table | D files | |
| datastate | function | B force_suffixes | |
| defaultsuffixes | table | D found | |
| ${\tt dowithfiles} {\tt andreport}$ | function | D foundintrees | |
| dowithfilesintree | function | D hashed | |
| ${\tt dowithpath}$ | function | D hashes | |
| dowithvariable | function | D lists | |
| env | function | B loaderror | |
| executers | table | D order | |
| F check | | B remember | |
| F execute | | B renewcache | |
| F finalize | | B renewtree | |
| F register | | B savelists | |
| expandbraces | function | D setups | |
| ${\tt expandedpathfromlist}$ | function | D specification | |
| ${\tt expandedpathlist}$ | function | D variables | |
| ${\tt expanded path list from variable}$ | function | jobs | table |
| ${\tt expandpath}$ | function | F currentcomponent | |
| ${\tt expandpathfromvariable}$ | function | F currentenvironment | |
| expansion | function | F currentproduct | |
| ${\tt extendtexmfvariable}$ | function | F currentproject | |
| <pre>find_file</pre> | function | F justacomponent | |
| <pre>find_files</pre> | <u>function</u> | D processors | |
| findbinfile | function | F productcomponent | |
| findctxfile | function | F usefile | |
| finders | data table | joinpath | function |
| findfile | function | load | function |
| findfiles | function | loadbinfile | function |
| findgivenfile | function | loaders | data table |
| findgivenfiles | function | loadlualib | function |
| findpath | function | loadtexfile | function |
| findtexfile | function | loadtime | function |
| findwildcardfile | function | locateformat | function |
| findwildcardfiles | function | locators | data table |
| formatofsuffix | function | luacnfname | string |
| formatofvariable | function | luacnfspec | string |
| formats | data table | luacnfstate | string |
| generators | data table | macros | table |
| getenv | function | F convertfile | |
| | | | |

| F decodecomment | | schemes | table |
|-------------------|------------|-------------------------------------|------------|
| F enablecomment | | T cleaners | |
| F encodecomment | | F md5 | |
| F preprocessed | | F none | |
| F processmkvi | | F strip | |
| F version | | F cleanname | |
| maxreadlevel | number | F install | |
| methodhandler | function | N threshold | |
| newinstance | function | setenv | function |
| openbinfile | function | setinstance | function |
| openers | data table | settrace | function |
| openfile | function | showpath | function |
| opentexfile | function | simplescanfiles | function |
| ownpath | string | ${\tt splitconfiguration}$ | function |
| prefixes | data table | splitexpansions | function |
| prependhash | function | splitmethod | function |
| registerextrapath | function | splitpath | function |
| registerfile | function | suffixes | data table |
| registerfilehash | function | suffixmap | data table |
| registerintrees | function | suffixofformat | function |
| registermethod | function | texdatablob | function |
| registerzipfile | function | ${\tt unexpandedpath}$ | function |
| relations | data table | ${\tt unexpandedpathlist}$ | function |
| renew | function | unresolve | function |
| repath | function | updaterelations | function |
| reset | function | updatescript | function |
| resetextrapath | function | usezipfile | function |
| resetresolve | function | ${\tt validatedpath}$ | function |
| resolve | function | variable | function |
| savers | data table | variableofformat | function |
| scandata | function | ${\tt variable of formator suffix}$ | function |
| scanfiles | function | wildcardpattern | function |

scripts (context)

categorytonumber data table
colors data table
handlers data table
hash table
installdataset function
installmethod function

numbertocategorydata tablenumbertodatasetdata tablepreprocessfunctionresetfunctionsetfunction

set (context)

contains function
create function
tolist function

tonumber function
totable function

socket (extra lua)

| BLOCKSIZE | number | F keep- | open |
|-----------|------------|---------|----------|
| _DEBUG | boolean | skip | function |
| bind | function | sleep | function |
| choose | function | smtp | table |
| connect | function | S DOMAI | N |
| dns | table | N PORT | |
| F gethos | stname | S SERVE | CR. |
| F tohost | tname | N TIMEC | UT |
| F toip | | S ZONE | |
| ftp | table | F messa | ıge |
| S PASSWO | ORD | F open | |
| N PORT | | F send | |
| N TIMEOU | JT | source | function |
| S USER | | sourcet | table |
| F comman | nd | F by-le | ength |
| F get | | F defau | ılt |
| F open | | F http- | chunked |
| F put | | F until | -closed |
| gettime | function | tcp | function |
| http | table | tp | table |
| N PORT | | N TIMEC | UT |
| N TIMEOU | JT | F conne | ect |
| S USERAC | GENT | try | function |
| F open | | udp | function |
| F reques | st | url | table |
| newtry | function | F absol | ute |
| protect | function | F build | L |
| select | function | F build | l_path |
| sink | function | F escap | е |
| sinkt | table | F parse | : |
| F close- | -when-done | F parse | |
| F defaul | Lt | F unesc | |
| F http- | chunked | | |

sorters (context)

N replacementoffset

| comparers | table | |
|-------------|--------|--|
| F basic | | |
| constants | table | |
| S defaultdi | gits | |
| S defaultla | nguage | |
| S defaultme | thod | |
| N digitsmax | imum | |
| N digitsoff | set | |
| N ignoredof | fset | |

| definitions | data table |
|---------------------|------------|
| firstofsplit | function |
| ${\tt setlanguage}$ | function |
| sort | function |
| splitters | table |
| F utf | |
| strip | function |
| tracers | data table |
| update | function |
| | |

statistics (context)

| checkfmtstatus | function | resettiming | function |
|------------------------|----------|-----------------------|----------|
| elapsedindeed | function | runtime | function |
| ${\tt elapsedseconds}$ | function | ${\tt savefmtstatus}$ | function |
| ${\tt elapsedtime}$ | function | show | function |
| enable | boolean | ${	t showjobstat}$ | function |
| formatruntime | function | starttiming | function |
| ${\tt hastiming}$ | function | stoptiming | function |
| memused | function | threshold | number |
| register | function | timed | function |
| reportstorage | 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

streams (context)

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

string (basic lua)

| byte | function |
|------------------------|----------|
| bytepairs | function |
| bytes | function |
| char | function |
| characterpairs | function |
| characters | function |
| checkedsplit | function |
| count | function |
| dump | function |
| ${\tt escapedpattern}$ | function |
| explode | function |
| find | function |
| format | function |
| gfind | function |
| ${\tt gmatch}$ | function |
| gsub | function |
| is_boolean | function |
| is_empty | function |
| len | function |
| limit | function |
| lower | function |

| function |
|----------|
| function |
| |

structures (context)

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

| F location | F internal |
|------------------------------------|---|
| F number | F internalid |
| D ordered | F listindex |
| F page | F number |
| F popnesting | F ordered |
| F prefix | F postpone |
| F prefixednumber | F resetpostponed |
| F prefixedpage | F restore |
| F process | F save |
| D pushed | F setstate |
| F pushnesting | F setsymbolpage |
| F realpage | D states |
| T result | F store |
| F savednumber | F title |
| F savedprefixednumber | pages table |
| F savedtitle | F analyze |
| F sectionnumber | D collected |
| F size | F is_odd |
| F title | F number |
| D tobesaved | F save |
| F userdata | D tobesaved |
| F uservalue | references table |
| marks table | F analyze |
| D data | F checkedfile |
| F define | F checkedfileorurl |
| F exists | F checkedprogram |
| F fetch | F checkedrealpage |
| F fetchallmarks | F checkedurl |
| F fetched | D collected |
| F fetchonemark | U componentsplitter |
| F fetchtwomarks | F currentmetadata |
| F get | F currentorder |
| F number | D currentset |
| F relate | F define |
| F reset | D defined |
| F set | D derived |
| F show | F doifelse |
| F synchronize | F enableinteraction |
| F title | F enhance |
| T tracers | D executers |
| F showtable notes table | F expandcurrent |
| | F export T files |
| F checkpagechange F define | T data |
| F deltapage | F define |
| F doifcontent | |
| | F get F filter |
| F doifonsamepageasprevious F flush | D filters |
| F flushpostponed | F from |
| F get | F get |
| F getn | r get F getcurrentmetadata |
| F getnumberpage | F getcurrentprefixspec |
| F getstate | F getinnermethod |
| F getsymbolpage | F getinnermethod F getinternalreference |
| 1 8000 Amborthage | r Reprincernatiesesence |

| D | handlers | | F section | |
|--|--|--|--|-------|
| F | identify | | F userpage | |
| F | import | D | tobereferred | |
| F | inject | D | tobesaved | |
| F | injectcurrentset | T | urls | |
| D | internals | | T data | |
| F | load | | F define | |
| F | loadpresets | | F get | |
| F | mark | F | whatfrom | |
| D | pages | regis | sters | table |
| U | prefixsplitter | F | analyze | |
| T | productdata | F | analyzed | |
| | T componentreferences | D | collected | |
| | T components | F | compare | |
| | T productreferences | F | define | |
| T | programs | F | enhance | |
| | T data | F | extend | |
| | F define | F | filter | |
| | F get | F | filtercollected | |
| F | realpageofpage | F | finalize | |
| U | referencesplitter | F | flush | |
| | referred | F | prepare | |
| F | referredpage | | process | |
| | registerfinalizer | F | sort | |
| | registerinitializer | F | store | |
| | registerpage | D | tobesaved | |
| | | _ | | |
| | reportproblems | F | unique | |
| | reset | | unique userdata | |
| F | | | userdata | table |
| F T | reset | F secti | userdata .ons | table |
| F T | reset | F secti F | userdata | table |
| F T | reset resolvers F reference | F secti F F | userdata ons autodepth | table |
| F T | reset resolvers F reference F section | F secti F F T | userdata ons autodepth cct | table |
| F T D F | reset resolvers F reference F section runners set | F secti F F T F | userdata ons autodepth cct collected | table |
| F T D F | reset resolvers F reference F section runners | F secti F F T F | userdata ons autodepth cct collected current | table |
| F T D F F | reset resolvers F reference F section runners set setandgetattribute | F secti F F T F F | userdata ons autodepth cct collected current currentblock | table |
| F T D F F | reset resolvers F reference F section runners set setandgetattribute setcomponent | F secti F F T F F F | userdata ons autodepth cct collected current currentblock currentid | table |
| F T D F F F F | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod | F SECTI F T F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels | table |
| F T D F F F F F | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference | F secti F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel | table |
| F T D F F F F F F | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal | F secti F T F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber | table |
| F T D F F F F F F F | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials | F secti F F F F F F F F F F F | userdata .ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata | table |
| F T D F F F F F F F F | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent | F secti F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber fullnumber | table |
| F T D F F F F F F F F F F F F F F F F F | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber fullnumber getcurrentlevel | table |
| F T D F F F F F F F F F F F F F F F F F | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber fullnumber getcurrentlevel getlevel | table |
| F T D F F F F F F F F F F F T | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber | table |
| F T D F F F F F T T | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners F inner | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber getcurrentlevel getlevel getnumber internalreference | table |
| F T D F F F F F F F F F F F F F F F F F | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners F inner F special | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber fullnumber getcurrentlevel getlevel getnumber | table |
| F T D F F F F T T | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners F inner F special operation | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber getcurrentlevel getlevel getnumber internalreference levelmap | table |
| F T D F F F F T T | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners F inner F special F special operation F special operation with arguments | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber getcurrentlevel getlevel getnumber internalreference levelmap levels load | table |
| F T D F F F F T T T | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners F inner F special F special operation F specials testspecials | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber getcurrentlevel getlevel getnumber internalreference levelmap levels load matchingtilldepth | table |
| F T D F F F F T T | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners F inner F special F special operation F specials F deltapage | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber getcurrentlevel getlevel getnumber internalreference levelmap levels load matchingtilldepth numberatdepth | table |
| F T D F F F F T T T | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners F inner F special F special operation F specials operation with arguments testspecials F deltapage F i | Secti FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber getcurrentlevel getlevel getnumber internalreference levelmap levels load matchingtilldepth numbers | table |
| F T D F F F F F T T | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners F inner F special F special operation F special operation with arguments testspecials F deltapage F i F internal | F secti F F F F F F F F F F F F F F F F F F F | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber getcurrentlevel getlevel getnumber internalreference levelmap levels load matchingtilldepth numbers popblock | table |
| F T D F F F F T T | reset resolvers F reference F section runners set setandgetattribute setcomponent setinnermethod setinternalreference setnextinternal setnextorder specials splitcomponent splitprefix splitreference testrunners F inner F special F special operation F specials operation with arguments testspecials F deltapage F i | Secti FFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFFF | userdata ons autodepth cct collected current currentblock currentid currentlevel defineautolevels depthnumber finddata findnumber getcurrentlevel getlevel getnumber internalreference levelmap levels load matchingtilldepth numbers | table |

F register F meaning D registered F prepare F reportstructure F process F save F register F set F registerused F setblock F sort F setchecker F synonym F setlevel D tobesaved table F setnumber tags F somelevel T data F startautolevel F detailedtag F stopautolevel F getid F structuredata F handler F title D labels D tobesaved F last F typesetnumber F lastinchain F userdata T metadata B verbose D properties F way F registerdata table sets F registermetadata F define F restart F get F setattributehash F getall F setcombination F setdescription D setlist specials table F setdescriptionsymbol D collected F setfigure F retrieve F sethighlight F store F setitemgroup D tobesaved F setproperty table synonyms F setsorting F analyzed F setsynonym D collected F settablecell F settabulatecell F compare F start F define F filter F stop

F finalize

F flush

D taglist

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 |
| сору | function | ${	t setmetatablecall}$ | function |
| count | function | ${\tt setmetatableindex}$ | function |
| derive | function | ${	t setmetatablekey}$ | function |
| fastcopy | function | ${\tt setmetatable newind ex}$ | function |
| flattened | function | setn | function |
| foreach | function | sort | function |
| foreachi | function | sortedhash | function |
| fromhash | function | ${	t sortedhashkeys}$ | 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 | number | function |
|------------------|------------|----------------|------------|
| badness | function | pdffontname | function |
| box | table | pdffontobjnum | function |
| catcode | table | pdffontsize | function |
| conditionals | data table | pdfpageref | function |
| constants | data table | pdfxformname | function |
| count | table | primitives | function |
| ctxcatcodes | number | print | function |
| definefont | function | printlist | function |
| delcode | table | prtcatcodes | number |
| dimen | table | romannumeral | function |
| enableprimitives | function | round | function |
| error | function | run | function |
| extraprimitives | function | scale | function |
| finish | function | set | function |
| fontidentifier | function | setattribute | function |
| fontname | function | setbox | function |
| fprint | function | setcatcode | function |
| get | function | setcount | function |
| getattribute | function | setdelcode | function |
| getbox | function | setdimen | function |
| getcatcode | function | setfalse | function |
| getcount | function | setlccode | function |
| getdelcode | function | setlist | function |
| getdimen | function | setmath | function |
| getlccode | function | setmathcode | function |
| getlist | function | setnest | function |
| getmath | function | setsfcode | function |
| getmathcode | function | setskip | function |
| getnest | function | settoks | function |
| getsfcode | function | settrue | function |
| getskip | function | setuccode | function |
| gettoks | function | sfcode | table |
| getuccode | function | shipout | function |
| hashtokens | function | skip | table |
| ifs | data table | sp | function |
| inicatcodes | number | sprint | function |
| iscount | function | systemmodes | data table |
| isdimen | function | texcatcodes | number |
| isskip | function | toks | table |
| istoken | function | tpacatcodes | number |
| lccode | table | tpbcatcodes | number |
| linebreak | function | tprint | function |
| lists | table | txtcatcodes | number |
| luacatcodes | number | type | function |
| mathcode | table | uccode | table |
| modes | data table | uniformdeviate | function |
| nest | table | uprint | function |
| nilcatcodes | number | vrbcatcodes | number |
| notcatcodes | number | write | function |
| | | | |

texconfig (basic tex)

| error_line | number | ${\tt max_print_line}$ | number |
|-----------------|----------|--------------------------|--------|
| expand_depth | number | max_strings | number |
| formatname | string | nest_size | number |
| half_error_line | number | param_size | number |
| hash_extra | number | save_size | number |
| init | function | shell_escape | string |
| kpse_init | boolean | stack_size | number |
| max_in_open | number | | |

texio (basic tex)

write function
write_nl function

token (basic tex)

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

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

namefunctionprimitivefunctionprinterrorfunctionshowlinesfunctionstringstable

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)

| alignmen | nts table | F localhandle | er |
|-----------|-------------------|-------------------|----------------|
| F har | ndler | F save | |
| F set | ; | paragraphs t | able |
| breakpo: | ints table | N attribute | |
| N att | cribute | T droppers | |
| F def | fine | F freeze | |
| F har | ndler | F set | |
| D map | pping | F handler | |
| T met | chods | F set | |
| T num | nbers | processors t | able |
| F set | ; | F apply | |
| F set | replacement | F register | |
| cases | table | F reset | |
| T act | cions | F split | |
| F har | ndler | F startapply | |
| F set | ; | F stopapply | |
| characte | ers table | F stripped | |
| F har | ndler | F tostring | |
| cleaners | s table | spacings t | able |
| F har | ndler | N attribute | |
| F set | ; | F define | |
| digits | table | F handler | |
| T act | cions | D mapping | |
| N att | cribute | T numbers | |
| F har | ndler | T frenchpu | nctuation |
| F set | ; | T charact | ters |
| direction | ons table | S name | |
| F har | ndler | N number | |
| F pro | ocess | F reset | |
| F set | ; | F set | |
| npack | function | F setup | |
| italics | table | tonodes f | unction |
| F for | ccevariant | vpack f | unction |
| F har | ndler | xtables t | able |
| F res | set | F cleanup | |
| F set | ; | F construct | |
| kerns | table | F create | |
| D fac | ctors | F flush | |
| F har | ndler | F initialize | _construct |
| B kee | epligature | F initialize | _reflow_height |
| B kee | eptogether | F initialize | _reflow_width |
| D map | pping | F next_row | |
| F set | ; | F reflow_hei | ght |
| nargins | table | F reflow_wid | th |
| F fir | nalhandler | F set_constr | uct |
| F glo | balhandler | F set_reflow | _height |
| F ha | | F set_reflow | _width |
| | | | |

unicode (extra lua)

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

url (context)

| addscheme | function | hasscheme | function |
|-----------|----------|-----------|----------|
| construct | function | query | function |
| filename | function | split | function |
| hashed | function | | |

utilities (context)

visualizers (context)

| escapepatterns | data table | signal | string |
|-----------------------|------------|-----------------------|------------|
| getvisualizer | function | ${	t signal pattern}$ | 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)

| addantitiagdactwaa | function | entities | data table |
|-----------------------------|----------------------|------------------|------------|
| addentitiesdoctype after | function | erase | function |
| all | function | errorhandler | function |
| applylpath | function | escaped | function |
| assign | function | expressions | table |
| attribute | function | F boolean | Cable |
| before | function | F child | |
| body | function | F contains | |
| builtinentities | table | F count | |
| | CADIC | F error | |
| B amp B apos | | F find | |
| B gt | | F lower | |
| B 1t | | F name | |
| B quot | | F number | |
| cdata | function | F oneof | |
| cdatatotext | function | F print | |
| checkbom | function | F quit | |
| checkerror | function | F tag | |
| checknamespace | function | F text | |
| checkns | function | F undefined | |
| cleansed | function | F upper | |
| collect | function | fillin | function |
| collect_elements | function | filter | function |
| collect_tags | function | finalizers | table |
| collect_texts | function | T tex | |
| collected | function | F all | |
| collecttexts | function | F attribute | |
| content | function | F bibtexconcat | |
| convert | function | F bibtexshort | |
| сору | function | F chainattribute | |
| count | function | F command | |
| cprint | function | F concat | |
| CSS | table | F concatrange | |
| F colorspecification | | F context | |
| F fontspecification | | F count | |
| F padding | | F ctxtext | |
| defaulthandlers | table | F default | |
| D file | | F first | |
| D parsedxml | | F function | |
| D string | | F index | |
| D tex | | F last | |
| D texline | | F lettered | |
| D texspace | | F lower | |
| D verbose | | F match | |
| defaultprotocol | string | F name | |
| delete | function | F position | |
| delete_element | function | F reverse | |
| each | function | F stripped | |
| each_element | function function | F tag | |
| elements | function | F tags | |
| empty | function | F text | |

| Eunnan | | lshow | function |
|--|--|---|--|
| F upper T xml | | makestandalone | function |
| F all | | match | function |
| F att | | name | function |
| F attribute | | newhandlers | function |
| F attributes | | nodesettostring | function |
| F cdata | | originalload | function |
| F chainattribute | | package | function |
| F count | | parent | function |
| F default | | parsedentitylpeg | userdata |
| F elements | | pihandlers | table |
| F empty | | placeholders | table |
| F first | | F unknown_any_entity | JUDIO |
| F function | | F unknown_dec_entity | |
| F index | | F unknown_hex_entity | |
| F last | | position | function |
| F match | | privatecodes | table |
| F name | | privatetoken | function |
| F position | | process | function |
| F reverse | | process_attributes | function |
| F table | | process_elements | function |
| F tag | | processattributes | function |
| F tags | | profiled | table |
| F text | | raw | function |
| F texts | | registerentity | function |
| first | function | registerns | function |
| found | function | remap_name | function |
| | | | |
| functions | table | remap namespace | function |
| functions getbuffer | table function | remap_namespace remap_tag | function function |
| getbuffer | | remap_tag | |
| getbuffer gethandlers | function function | remap_tag remapname | function function |
| getbuffer gethandlers gethandlersfunction | function function function | remap_tag remapname remapnamespace | function function |
| getbuffer gethandlers | function function | remap_tag remapname remapnamespace remaptag | function function |
| getbuffer gethandlers gethandlersfunction include | function function function function | remap_tag remapname remapnamespace remaptag renamespace | function function function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert | function function function function function | remap_tag remapname remapnamespace remaptag renamespace replace | function function function function function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject | function function function function function function | remap_tag remapname remapnamespace remaptag renamespace | function function function function function function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element | function function function function function function function function | remap_tag remapname remapnamespace remaptag renamespace replace replace_element | function function function function function function function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after | function function function function function function function function function | remap_tag remapname remapnamespace remaptag renamespace replace replace replace_element resolvens | function function function function function function function function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element | function | remap_tag remapname remapnamespace remaptag renamespace replace replace replace_element resolvens root | function function function function function function function function function |
| <pre>getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before</pre> | function | remap_tag remapname remapnamespace remaptag renamespace replace replace replace_element resolvens root save | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter | function | remap_tag remapname remapnamespace remaptag renamespace replace replace replace_element resolvens root save selection | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore | function | remap_tag remapname remapnamespace remaptag renamespace replace replace replace_element resolvens root save selection serialize | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert | function | remap_tag remapname remapnamespace remaptag renamespace replace replace replace_element resolvens root save selection serialize setcdata | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element | function | remap_tag remapname remapnamespace remaptag renamespace replace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element | function | remap_tag remapname remapnamespace remaptag renamespace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element_after | function | remap_tag remapname remapnamespace remaptag renamespace replace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty settings | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element_after insert_element_after insert_element_after insert_element_after insert_element_before | function | remap_tag remapname remapnamespace remaptag renamespace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty settings specialhandler | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element_after insert_element_after insert_element_after insert_element_after insert_element_before insertafter insertbefore | function | remap_tag remapname remapnamespace remaptag renamespace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty settings specialhandler sprint | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element insert_element insert_element_after insert_element_after insert_element_after insert_element_before insertafter insertbefore insertcomment | function | remap_tag remapname remapnamespace remaptag renamespace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty settings specialhandler sprint string | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element insert_element insert_element_before insertsfter insertsfter insertsfter insertsfter insertsfter insertsfter insertcomment inspect | function | remap_tag remapname remapnamespace remaptag renamespace replace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty settings specialhandler sprint string strip | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element insert_element_after insert_element_after insert_element_after insert_element_before insertafter insertbefore insertcomment inspect is_valid | function | remap_tag remapname remapnamespace remaptag renamespace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty settings specialhandler sprint string strip strip_whitespace | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element insert_element insert_element insert_element insertsfter insertsfter insertbefore insertcomment inspect is_valid last | function | remap_tag remapname remapnamespace remaptag renamespace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty settings specialhandler sprint string strip strip_whitespace stripelement | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element insert_element insert_element insertfer insertfer insertfer insertfer insertomment inspect is_valid last load | function | remap_tag remapname remapnamespace remaptag renamespace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty settings specialhandler sprint string strip strip_whitespace stripelement stripleadingspaces | function |
| getbuffer gethandlers gethandlersfunction include index inheritedconvert inject inject_element inject_element_after inject_element_before injectafter injectbefore insert insert_element insert_element insert_element_after insert_element_after insert_element_insertelement insert_element_before insertafter insertbefore insertcomment inspect is_valid last load lpath | function | remap_tag remapname remapnamespace remaptag renamespace replace replace_element resolvens root save selection serialize setcdata sethandlersfunction setproperty settings specialhandler sprint string strip strip_whitespace stripelement stripleadingspaces table | function |

| tocdata | function | ${\tt unescaped}$ | function |
|-----------|----------|----------------------|----------|
| toelement | function | ${\tt unprivatized}$ | function |
| tostring | function | withelement | function |
| toxml | function | withelements | function |
| tprint | function | wrap | function |
| traverse | function | xmlns | table |

zip (extra lua)

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

zlib (extra lua)

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

decompressfunctiondecompressobjfunctionversionfunction