1 attributes backends bibtex blobs boolean buffers builders caches callback callbacks catcodes characters chemicals commands containers context converters coroutine debug dir directives document documentdata environment epdf experiments figures file floats font fontloader fonts global gzip img interactions interfaces io job lang languages layouts lfs libraries lmx logs lpdf lpeg ltn12 lua luatex lxml math mathematics md5 metapost mime moduledata modules mplib noads node nodes number os package parametersets pdf physics profiler regimes resolvers scripts set socket sorters statistics status storage streams string structures table tex texconfig texio token tokens tracers trackers typesetters unicode url utilities 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 |
| 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 |
|-----------------|----------|
| resolvers | table |
| scripts | table |
| select | function |
| set | table |
| setfenv | function |
| setmetatable | function |
| short_operators | table |
| short_prefixes | table |
| short_units | table |
| socket | table |
| sorters | table |
| statistics | table |
| status | table |
| storage | table |
| streams | table |
| string | table |
| stripmath | function |
| structures | table |
| table | table |
| tex | table |
| texconfig | table |
| texio | table |
| | |

| toboolean | function |
|------------------|----------|
| tocontext | function |
| token | table |
| tokens | table |
| tonumber | function |
| tostring | function |
| trace_characters | boolean |
| traceback | function |
| tracers | table |
| trackers | table |
| type | function |
| typesetters | table |
| unicode | table |
| unpack | function |
| url | table |
| utf | table |
| utilities | table |
| visualizers | table |
| xml | table |
| xpcall | function |
| zip | table |
| zlib | table |
| | |

attributes (context)

| colorintents table | F spotcolorna | |
|---------------------------|----------------|-------------|
| N attribute | F spotcolorpa | |
| D data | F spotcolorva | lue |
| F enable | B supported | |
| F handler | F transparenc | ycomponents |
| F register | B triggering | |
| D registered | F usecolors | |
| colors table | F value | |
| N attribute | D values | |
| F cmyk | B weightgray | |
| F cmyktogray | define | function |
| F cmyktorgb | effects | table |
| F colorcomponents | N attribute | |
| B couple | D data | |
| D data | F enable | |
| N default | F handler | |
| F defineintermediatecolor | F register | |
| F definemixcolor | D registered | |
| F definemultitonecolor | D values | |
| F defineprocesscolor | handlers | table |
| F definesimplegray | list | data table |
| F definespotcolor | names | data table |
| F definetransparency | negatives | table |
| F enable | N attribute | |
| F filter | D data | |
| F forcedmodel | F enable | |
| F forcesupport | F handler | |
| F formatcolor | F register | |
| F formatgray | D registered | |
| F gray | numbers | data table |
| F graytohsv | ofnode | function |
| F handler | private | function |
| F hsvtogray | states | table |
| F hsvtorgb | F disabletrig | gering |
| F iccprofile | F enabletrigg | ering |
| F isblack | F finalize | |
| N main | F initialize | |
| S model | F process | |
| F mpcolor | F selective | |
| F mpoptions | F stacked | |
| U none | transparencies | table |
| F register | N attribute | |
| D registered | D data | |
| F registerspotcolor | F enable | |
| F rgb | F forcesuppor | t |
| F rgbtocmyk | F handler | |
| F rgbtogray | U none | |
| F rgbtohsv | F register | |
| N selector | D registered | |
| F setmodel | B supported | |
| F spot | B triggering | |
| 1 | | |

F value
D values

unsetvalue number
viewerlayers table

 ${\tt N}$ attribute

D data

 ${\tt F} \ {\tt define}$

F enable

 ${\tt F} \ {\tt forcesupport}$

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 setxmpfile current string F startlayer defaults table F stoplayer T codeinjections F supportedformats T nodeinjections F useviewerlayer F validfield T registrations D tables F validfieldcategory install function F validfieldset nodeinjections table S comment nothing function T nodeinjections pdf table F addtags T codeinjections F attachfile F addbookmarks F cmykcolor F addtransparencygroup F comment F attachmentid F destination F clonefield F effect F definefield F graycolor F definefieldset F injectbitmap F defineviewerlayer F insertmovie F embedfile F insertsound F enabletags 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 cmykspotcolor F registerdocumentcloseaction 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 T tables F setfigurecolorspace F setfiguremask T vfspecials F setformat T black F setformsmethod T blue F setpagetransition T green T red F setupcanvas F setupidentity F startslant

T stopslant registrations table

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 | | <pre>load function</pre> |
| F short | | new function |
| authoryearref | function | singularorplural function |
| authoryearsref | function | <pre>statistics table</pre> |
| 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 | F | define | |
|----------------|----------|-----|---------------|----|
| assign | function | F | hassomeconter | nt |
| collectcontent | function | F | next | |
| erase | function | F | place | |
| exists | function | F | reset | |
| getcontent | function | F | save | |
| getlines | function | raw | | fu |
| parallel | table | | | |
| | | | | |

function

builders (context)

| kernel table | F enable |
|------------------|-----------------------|
| F hyphenation | F optimize |
| F kerning | F setup |
| F ligaturing | F split |
| F mlist_to_hlist | F tag |
| paragraphs table | vspacing table |
| T constructors | F analyze |
| N attribute | D categories |
| F disable | F collapsevbox |
| F enable | T data |
| F handler | D map |
| T methods | D skip |
| F default | D snapmethods |
| F oneline | F definesnapmethod |
| D names | B fixed |
| D numbers | F pagehandler |
| F register | F setmap |
| F set | F setskip |
| T solutions | F snapbox |
| T splitters | F tocategories |
| F define | F tocategory |
| F disable | 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 | function |
|--------|------------|----------|----------|
| known | function | register | function |
| list | data table | report | function |
| pop | function | table | function |

catcodes (context)

names data table
numbers data table
register function

characters (context)

| 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 category function lower function categorytags data table math table contextname function mathpairs data table data data data table ranges data table decomposed data table registerentities function define function remap_hangul_syllabe function description function remap_hangul_syllabe function descriptions data table setcodes function directions data table shape function entities data table shaped function entities data table shchars data table fallbacks data table shchars data table filters data table specials data table fromnumber function subscripts table fromnumber function subscripts table fischars data table superscripts table fromnumber function tex superscripts table graphemes data table production tex superscripts table fromodel from the function from tex function from function f | activeoffset | number | is_mark | 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 mathpairs data table data data table ranges data table decomposed data table registerentities function define function remap_hangul_syllabe function description function remapentity function descriptions data table setcodes function directions data table shape function encodes data table shape function entities data table shaped function entities data table shcodes data table filters data table specialchars data table filters data table specialchars data table fromnumber function subscripts table fromnumber function subscripts table fscodes data table fromnumber function tex superscripts table getrange function tex for the filters data table from tex function from tex function from tex function from subscripts table ffecodes data table from tex function from tex function from function for function from function for function for function from function function for function for function functi | adobename | function | is_spacing | data table |
| casemap table lettered function category function lower function categorytags data table math table contextname function mathpairs data table composed data table registerentities function description function remap_hangul_syllabe function data table sate able shape function data table shape function entities data table shape function entities data table shape function entities data table specials data table filters data table specials data table fromnumber function subscripts table from paraphemes data table synonyms data table factores data table specials function filters data table specials table fromnumber function function subscripts table from paraphemes data table filters data table filters data table filters function function specials data table fromnumber function function subscripts table from paraphemes data table filters data table filters data table filters form function function subscripts table from paraphemes data table filters function | bidi | data table | lcchars | data table |
| categories data table lettered function category function lower function categorytags data table math table contextname function mathpairs data table data table ranges data table decomposed data table registerentities function description function remap_hangul_syllabe function descriptions data table setcodes function descriptions data table shape function encodes data table shape function entities data table shape function entities data table shchars data table fallbacks data table specialchars data table flush function specials data table fromnumber function subscripts table fscodes data table superscripts table getrange function tex table function function tex face data table getrange fanction tex table federange fanction function function function function for tex table face face face for function function function function function function function function function for function function for function for function functi | blocks | data table | lccode | function |
| category function lower function categorytags data table makeactive function combined data table math table contextname function mathpairs data table data data table ranges data table decomposed data table registerentities function define function remap_hangul_syllabe function description function remapentity function descriptions data table setcodes function directions data table shape function encodes data table shaped function entities data table shchars data table fallbacks data table shcodes data table filters data table specialchars data table flunction specials data table fromnumber function subscripts table fscodes data table superscripts table getrange function tex table paraphemes data table paraphemes data table paraphemes data table paraphemes function fu | casemap | table | lccodes | data table |
| categorytags data table makeactive function combined data table math table contextname function mathpairs data table data data table ranges data table decomposed data table registerentities function define function remap_hangul_syllabe function description function remapentity function descriptions data table setcodes function directions data table shape function encodes data table shape function entities data table shchars data table fallbacks data table specialchars data table filters data table specialchars data table fromnumber function subscripts table fromnumber function subscripts table getrange function tex table graphemes data table pacents found function feaches data table graphemes data table federange function feaches federange function function feaches federange function feaches federange function function function feaches federange function feaches federange function | categories | data table | lettered | function |
| combined data table math table contextname function mathpairs data table data data table ranges data table decomposed data table registerentities function define function remap_hangul_syllabe function description function 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 filters data table specialchars data table fromnumber function specials data table fromnumber function subscripts table fscodes data table superscripts table fscodes data table synonyms data table getrange function tex table graphemes data table D accentmapping hangul table F defineaccents F decomposed F decomposed F decomposed F description function | category | function | lower | function |
| contextnamefunctionmathpairsdata tabledatadata tablerangesdata tabledecomposeddata tableregisterentitiesfunctiondefinefunctionremap_hangul_syllabefunctiondescriptionfunctionremapentityfunctiondescriptionsdata tablesetcodesfunctiondirectionsdata tableshapefunctionenccodesdata tableshcharsdata tablefallbacksdata tableshcodesdata tablefiltersdata tablespecialcharsdata tableflushfunctionspecialsdata tablefromnumberfunctionsubscriptstablefscharsdata tablesuperscriptstablefscodesdata tablesynonymsdata tablegetrangefunctiontextablegraphemesdata tableD accentmappinghangultableF defineaccentsF decomposedF toutfF descriptiontonumberfunction | categorytags | data table | makeactive | function |
| datadata tablerangesdata tabledecomposeddata tableregisterentitiesfunctiondefinefunctionremap_hangul_syllabefunctiondescriptionfunctionremapentityfunctiondescriptionsdata tablesetcodesfunctiondirectionsdata tableshapefunctionenccodesdata tableshcharsdata tablefallbacksdata tableshcodesdata tablefiltersdata tablespecialcharsdata tableflushfunctionspecialsdata tablefromnumberfunctionsubscriptstablefscharsdata tablesuperscriptstablefscodesdata tablesynonymsdata tablegetrangefunctiontextablegraphemesdata tableD accentmappinghangultableF defineaccentsF decomposed F decomposed F decomposed F descriptionfunction | combined | data table | math | table |
| decomposeddata tableregisterentitiesfunctiondefinefunctionremap_hangul_syllabefunctiondescriptionfunctionremapentityfunctiondescriptionsdata tablesetcodesfunctiondirectionsdata tableshapefunctionenccodesdata tableshcharsdata tableentitiesdata tableshcodesdata tablefallbacksdata tablespecialcharsdata tablefiltersdata tablespecialsdata tableflushfunctionsubscriptstablefromnumberfunctionsubscriptstablefscharsdata tablesuperscriptstablefscodesdata tablesynonymsdata tablegetrangefunctiontextablegraphemesdata tableD accentmappinghangultableF defineaccentsF decomposed F descriptionF toutftonumberfunction | contextname | function | ${	t mathpairs}$ | data table |
| define function remap_hangul_syllabe function description function remapentity function descriptions data table setcodes function enccodes data table shape 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 getrange function tex graphemes data table D accentmapping hangul table F description function function function f function f formulation from tex function from function | data | data table | ranges | data table |
| description function remapentity function descriptions data table setcodes function directions data table shape function encodes 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 superscripts table getrange function tex table graphemes data table D accentmapping hangul table F decomposed F found function function | decomposed | data table | registerentities | function |
| descriptionsdata tablesetcodesfunctiondirectionsdata tableshapefunctionenccodesdata tableshapedfunctionentitiesdata tableshcharsdata tablefallbacksdata tableshcodesdata tablefiltersdata tablespecialcharsdata tableflushfunctionspecialsdata tablefromnumberfunctionsubscriptstablefscharsdata tablesuperscriptstablefscodesdata tablesynonymsdata tablegetrangefunctiontextablegraphemesdata tableD accentmappingtablehangultableF defineaccentsF decomposedF toutfF descriptiontonumberfunction | define | function | remap_hangul_syllabe | function |
| directions data table shape function encodes data table shaped function entities data table shchars data table fallbacks data table specialchars 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 superscripts table fscodes data table synonyms data table getrange function tex table graphemes data table D accentmapping hangul table F decomposed F toutf tonumber function | description | function | ${\tt remapentity}$ | 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 synonyms data table getrange function tex table graphemes data table Daccentmapping hangul table F defineaccents F decomposed F description function | descriptions | data table | setcodes | 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 superscripts table fscodes data table synonyms data table getrange function tex table graphemes data table D accentmapping hangul table F description F description function | directions | data table | shape | function |
| fallbacksdata tableshcodesdata tablefiltersdata tablespecialcharsdata tableflushfunctionspecialsdata tablefromnumberfunctionsubscriptstablefscharsdata tablesuperscriptstablefscodesdata tablesynonymsdata tablegetrangefunctiontextablegraphemesdata tableD accentmappinghangultableF defineaccentsF decomposedF toutfF descriptiontonumberfunction | enccodes | data table | shaped | function |
| filters data table specialchars data table flush function specials data table fromnumber function subscripts table fschars data table superscripts table fscodes data table synonyms data table getrange function tex table graphemes data table Daccentmapping hangul table F defineaccents F decomposed F toutf F description tonumber function | entities | data table | shchars | data table |
| flush function specials data table fromnumber function subscripts table fschars data table superscripts table fscodes data table synonyms data table getrange function tex table graphemes data table D accentmapping hangul table F defineaccents F decomposed F toutf F description tonumber function | fallbacks | data table | shcodes | data table |
| fromnumber function subscripts table fschars data table superscripts table fscodes data table synonyms data table getrange function tex table graphemes data table Daccentmapping hangul table F defineaccents F decomposed F toutf F description tonumber function | filters | data table | specialchars | data table |
| fscharsdata tablesuperscriptstablefscodesdata tablesynonymsdata tablegetrangefunctiontextablegraphemesdata tableD accentmappinghangultableF defineaccentsF decomposedF toutfF descriptiontonumberfunction | flush | function | specials | data table |
| fscodesdata tablesynonymsdata tablegetrangefunctiontextablegraphemesdata tableD accentmappingIndependent of the property | fromnumber | function | subscripts | table |
| getrangefunctiontextablegraphemesdata tableD accentmappinghangultableF defineaccentsF decomposedF toutfF descriptiontonumberfunction | fschars | data table | superscripts | table |
| graphemes data table Daccentmapping hangul table F defineaccents F decomposed F toutf F description tonumber function | fscodes | data table | synonyms | |
| hangul table F defineaccents F decomposed F toutf F description tonumber function | getrange | function | tex | table |
| F description F toutf tonumber function | graphemes | data table | D accentmapping | |
| F description tonumber function | hangul | table | F defineaccents | |
| 1 | F decomposed | | F toutf | |
| F leadconsonant ucchars data table | F description | | tonumber | function |
| | F leadconsonant | | ucchars | data table |
| T remapped uccode function | T remapped | | uccode | function |
| initialize function uccodes data table | initialize | function | | |
| is_character data table unicodechar function | is_character | data table | unicodechar | function |
| is_command data table upper function | is_command | data table | upper | function |
| is_letter data table | is_letter | data table | | |

chemicals (context)

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

commands (context)

| Alphabetic | function | collecthelp | function |
|----------------------------|----------|-------------------------------|----------|
| Character | function | colorcomponents | function |
| Characters | function | consultfloat | function |
| MPd | function | copyfiletolog | function |
| MPh | function | ${	t copyposition}$ | function |
| MP11 | function | ${\tt counttwopassdata}$ | function |
| MPlr | function | currentcomponent | function |
| MPp | function | currentdate | function |
| MPplus | function | currentenvironment | function |
| MPpos | function | currentproduct | function |
| MPrest | function | currentproject | function |
| MPul | function | currentregime | function |
| MPur | function | dayname | function |
| MPw | function | defineattribute | function |
| MPx | function | definebibtexsession | function |
| MPxy | function | defineconversion | function |
| МРу | function | definefield | function |
| Romannumerals | function | definefieldset | function |
| ${\tt abjadnodotnumerals}$ | function | definefilefallback | function |
| abjadnumerals | function | definefilesynonym | function |
| addff | function | definefont_one | function |
| addfs | function | definefont_two | function |
| addlinklistelement | function | definefontcollection | function |
| addstructurecounter | function | defineintermediatecolor | function |
| allinputpaths | function | definelinkedlist | function |
| alphabetic | function | definemarking | function |
| analysefloatmethod | function | definemultitonecolor | function |
| applytochars | function | defineparallel | function |
| applytowords | function | defineprocesscolor | function |
| assignbuffer | function | definespotcolor | function |
| autofinishstructurelevels | function | definestructureblock | function |
| autonextspace | function | definestructurecounter | function |
| autonextstructurelevel | function | definestructureset | function |
| autosetups | function | definetransparency | function |
| autostarttext | function | definetwopasslist | function |
| autostoptext | function | defineviewerlayer | function |
| boolcase | function | defrostrandomseed | function |
| character | function | digits | function |
| characters | function | disableregime | function |
| checkcharactersinfont | function | doanalyzeframedbox | function |
| checkedconversion | function | doif | function |
| ${\tt checkedpagefloat}$ | function | doifblackelse | function |
| checktwopassdata | function | doifcommonelse | function |
| chineseallnumerals | function | doifdimenstringelse | function |
| chinesecapnumerals | function | doifdrawingblackelse | function |
| chinesenumerals | function | doifelse | function |
| cleanfontname | function | doifelsebuffer | function |
| clonefield | function | doifelsecurrentfonthasfeature | function |
| clonefontcollection_one | function | doifelseintwopassdata | function |
| clonefontcollection_two | function | doifelsemarking | function |
| collectfloat | function | doifelseparallel | function |
| | | - | |

| doifelsesavedfloat | function | format | function |
|-----------------------------------|----------|-------------------------------|----------|
| doifelsespaces | function | formatcolor | function |
| doifelsestructurecounter | function | formatgray | function |
| doifelsevisualizer | function | freezerandomseed | function |
| doiffieldcategoryelse | function | getbuffer | function |
| doiffieldelse | function | getbufferctxlua | function |
| doiffieldsetelse | function | getbuffermkvi | function |
| doiffiledefinedelse | function | getdefaultfieldvalue | function |
| doiffileexistelse | function | getfieldcategory | function |
| doiffirstcharelse | function | getfirstcharacter | function |
| doifinputfileelse | function | getfirsttwopassdata | function |
| doifinsetelse | function | getfloatvariable | function |
| doifleapyearelse | function | getlasttwopassdata | function |
| doiflocfileelse | function | getmarking | function |
| doifnot | function | getprivateattribute | function |
| doifnotstructurecounter | function | getrandomcounta | function |
| doifolderversionelse | function | getrandomcountb | function |
| doifoverlappingelse | function | getrandomseed | function |
| doifparentfileelse | function | getreadfilename | function |
| doifpositionelse | function | gettwopassdata | function |
| doifpositionsonsamepageelse | function | gettwopassdatalist | function |
| doifpositionsonthispageelse | function | grabbuffer | function |
| doifstructurecounter | function | helpaction | function |
| doifurldefinedelse | function | helpreference | function |
| doprocesstypescriptfile | function | hexstringtonumber | function |
| doreshapeframedbox | function | hour | function |
| dostarttextfile | function | hyphenatedlist | function |
| dostoptextfile | function | hyphenatedurl | function |
| elapsedtime | function | D characters | |
| enablecolor | function | N lefthyphenmin | |
| enablecolorintents | function | D mapping | |
| enablefontcolorschemes | function | N righthyphenmin | |
| enableregime | function | F setcharacters | |
| enabletransparency | function | incrementedstructurecounter | function |
| enhancelinkedlist | function | insertattachment | function |
| erasebuffer | function | insertcomment | function |
| featureattribute | function | insertfield | function |
| feedback | function | ${\tt insertrenderingwindow}$ | function |
| fetchallmarks | function | ${\tt insertsoundclip}$ | function |
| fetchonemark | function | isleapyear | function |
| fetchtwomarks | function | languagenumber | function |
| filterreference | function | laststructurecounter | function |
| ${	t findtwopassdata}$ | function | lchexnumber | function |
| firstinlist | function | lchexnumbers | function |
| firststructurecounter | function | leapyear | function |
| flushfloat | function | ${	t loadctxpreplist}$ | function |
| fontchar | function | loadexamodes | function |
| ${\tt fontcollectionmessage}$ | function | ${\tt loadfontgoodies}$ | function |
| ${	t fontlook upgetkey}$ | function | loadvisualizer | function |
| ${	t fontlook upgetkey of index}$ | function | ${\tt locatefilepath}$ | function |
| ${	t fontlook upinitialize}$ | function | locfilename | function |
| ${\tt fontlookupnoffound}$ | function | maxitemwidth | function |
| forceendjob | function | minute | function |
| forcequitjob | function | molecule | function |
| | | | |

| month | function | resetfontcollection | function |
|---|----------|--|----------|
| monthmnem | function | resetfontfeature | function |
| monthname | function | resetmarking | function |
| mpcolor | function | resetmullfont | function |
| - | function | | function |
| mpoptions nbfs | function | resetparallel resetstructurecounter | function |
| | | | |
| nextparallel | function | resetstructureprocessor | function |
| nextstructurecounter | function | resettimer | function |
| nofdays | function | restartstructurecounter | function |
| nofitems | function | restorecurrentattributes | function |
| nofstackedfloats | function | restorestructurecounter | function |
| number | function | romannumerals | function |
| octnumber | function | runbuffer | function |
| octstringtonumber | function | savebuffer | function |
| ordinal | function | savecurrentattributes | function |
| overloadbookmark | function | savefloat | function |
| percentageof | function | saveparallel | function |
| placeparallel | function | savestructureblock | function |
| popfloat | function | savestructurecounter | function |
| ${	t prepare MPvariable}$ | function | ${	t savetaggedtwopassdata}$ | function |
| ${\tt preparebibtexsession}$ | function | savetwopassdata | function |
| preparedfile | function | second | function |
| ${\tt prepare font collection}$ | function | selectstructureblock | function |
| presetsymbollist | function | setclosedocumentaction | function |
| presettabulate | function | ${	t setclosepageaction}$ | function |
| prevstructurecounter | function | setcolormodel | function |
| processbuffer | function | setfontfeature | function |
| processedfile | function | setformat | function |
| processedfiles | function | setformsmethod | function |
| processfile | function | setmarking | function |
| processfilemany | function | setmathalphabet | function |
| processfilenone | function | setmathalternate | function |
| processfileonce | function | setmathattribute | function |
| pushfloat | function | setmathstyle | function |
| rawcharacter | function | setopendocumentaction | function |
| referencepagestate | function | setopenpageaction | function |
| referencerealpage | function | setownstructurecounter | function |
| registerattachment | function | setpagetransition | function |
| registerbibtexentry | function | setrandomseed | function |
| registerbibtexfile | function | setrastercolor | function |
| registerbookmark | function | setrealign | function |
| registerbuttons | function | setreferencearguments | function |
| registercolor | function | setreferenceoperation | function |
| registercolorintent | function | setstructureblockstate | function |
| registerhelp | function | setstructurecounter | function |
| registeritemgroup | function | settagcombination | function |
| registermaintextcolor | function | settageombination | function |
| registermaintextcolor | function | settagdescription settagdescriptionsymbol | function |
| registersoundcrip registerstructureprocessor | function | | function |
| _ | function | settagfigure | function |
| registertransparency | | settaghighlight | function |
| relatemarking | function | settagitemgroup | |
| removemissingcharacters | function | settagproperty | function |
| replacepospxywhd | function | settagsorting | function |
| resavefloat | function | settagsynonym | function |
| | | | |

| settagtablecell | function | subfs | function |
|--------------------------------------|----------|------------------------|----------|
| settagtabulatecell | function | synchronizemarking | function |
| setupbookmarks | function | taggedmathfunction | function |
| setupcanvas | function | testcase | function |
| setupexport | function | textime | function |
| setupfontexpansion | function | transparencycomponents | function |
| setupfontprotrusion | function | triggereffect | function |
| setupidentity | function | triggernegative | function |
| setxmpfile | function | truefilename | function |
| showchardata | function | typebuffer | function |
| showfontparameters | function | typefile | function |
| showhyphenatedinlist | function | typestring | function |
| showstructurecounter | function | uchexnumber | function |
| splitfilename | function | uchexnumbers | function |
| spotcolorname | function | unicodechar | function |
| spotcolorparent | function | unit | function |
| spotcolorvalue | function | updatefilenames | function |
| startcomponent | function | useMPlibrary | function |
| startenvironment | function | useanyfile | function |
| startproduct | function | usecldfile | function |
| startproject | function | usecolors | function |
| startregime | function | usecomponent | function |
| starttag | function | useenvironment | function |
| starttext | function | uselibrary | function |
| stopcomponent | function | useluafile | function |
| stopenvironment | function | usemodules | function |
| stopproduct | function | usepath | function |
| stopproject | function | useproduct | function |
| stopregime | function | useproject | function |
| stoptag | function | ${\tt usesubpath}$ | function |
| stoptext | function | usesymbols | function |
| structureautocatcodedget | function | usetexfile | function |
| structurecatcodedget | function | usexmlfile | function |
| structurecountersubs | function | usezipfile | function |
| structurecountervalue | function | utfchar | function |
| ${	t structure given cat coded get}$ | function | weekday | function |
| structurenumber | function | weekdayname | function |
| structuretitle | function | widthofstring | function |
| structureuservariable | function | writestatus | function |
| structurevariable | function | year | function |
| subff | 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 |
| ${\tt abjadnodotnumerals}$ | function | nofdays | function |
| abjadnumerals | function | number | function |
| alphabetic | function | octnumber | function |
| character | function | 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 |
| ${\tt hexstringtonumber}$ | 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)

| function | getupvalue | function |
|----------|--|--|
| function | setfenv | function |
| function | sethook | function |
| function | setlocal | function |
| function | setmetatable | function |
| function | setupvalue | function |
| function | traceback | function |
| | function function function function function | functionsetfenvfunctionsethookfunctionsetlocalfunctionsetmetatablefunctionsetupvalue |

dir (context)

| ${\tt collectpattern}$ | function | ls | function |
|------------------------|----------|----------|----------|
| current | function | makedirs | function |
| expandname | function | mkdirs | function |
| glob | function | pop | function |
| globfiles | function | push | function |
| ${	t globpattern}$ | function | | |

directives (context)

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

document (context)

argumentsdata tablefilestablegetargumentfunctiongetfilenamefunction

setargumentfunctionsetdefaultargumentfunctionsetfilenamefunction

environment (context)

| argument | function | luafile | function |
|---------------------|------------|--------------------------------|------------|
| arguments | data table | luafilechunk | function |
| engineflags | data table | original arguments | data table |
| files | table | ${\tt outputfilename}$ | string |
| filesynonyms | data table | ownbin | string |
| homedir | string | ownname | string |
| initex | boolean | ownpath | string |
| initializearguments | function | rawarguments | data table |
| inputfile barename | string | ${\tt reconstructcommandline}$ | function |
| inputfilename | string | setargument | function |
| inputfilesuffix | string | splitarguments | function |
| jobfilename | string | texfile | function |
| jobfilesuffix | string | texmfos | string |
| loadedluacode | function | texos | string |
| loadluafile | function | texroot | string |

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 | 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 |
| ${\tt defaultheight}$ | number | ${\tt registerpattern}$ | function |
| ${\tt defaultsearch}$ | boolean | registerresource | function |
| ${\tt defaultwidth}$ | 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 | 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 | ${\tt robustname}$ | function |
| is_readable | function | savechecksum | function |
| $is_rootbased_path$ | function | savedata | function |
| is_writable | function | ${	t split name}$ | function |
| isreadable | function | ${	t splitpath}$ | 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 | function |
| each | function | nextid | function |
| fonts | table | read_tfm | function |
| frozen | function | read_vf | function |
| getfont | function | setfont | 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)

| analwana tahla | F+f+ | |
|------------------------------------|-------------------------|------------|
| analyzers table | F setfactor | |
| D initializers | F setname | |
| D methods | N version | function |
| F setstate B useunicodemarks | current currentid | function |
| checkers table | definers | table |
| | | table |
| F missing | F addlookup | |
| cid table | F analyze | |
| F getmap | F applypostpr | ocessors |
| F loadfile collections table | F current | |
| | S defaultlook | up |
| F clone_one | F define | |
| F clone_two | F getspecific | ation |
| F define | F loadfont | |
| T definitions | F makespecifi | .cation |
| F message | T methods | |
| F prepare | F install | |
| F process | D variants | |
| F reset | F read | |
| T vectors | F register | |
| constructors table | F registered | |
| F applymanipulators | F registerspl | |
| F assignmathparameters | F resetnullfo | ont |
| B autocleanup | F resolve | |
| D cache | T resolvers | |
| F calculatescale | F file | |
| F checkedfeatures | F name | |
| F checkedfilename | F spec | £ |
| F cleanuptable | definetypeface | |
| F collectprocessors | encodings | table |
| D designsizes | T agl | |
| D dontembed | D cache | |
| N factor | F is_known | |
| F finalize | D known | |
| F getfeatureaction | F load | |
| F hashfeatures | F make_unicod | le_vector |
| F hashinstance | D math | |
| T hashmethods | N version | doto toblo |
| F normal | expansions formats | data table |
| F virtual | | data table |
| F initializefeatures | goodies | table |
| D loadedfonts | T colorscheme | :S |
| T mathactions | F coloring | |
| S namemode F newfeatures | T data F enable | |
| | | |
| N privateoffset F readanddefine | F getcomposit T list | SHOTS |
| | | ong |
| F registerfeature | F compositi | |
| B resolvevirtualtoo | F expansion | |
| F scale | F featurese | L C |
| F scaled | F files | |

| E wath amatica | D wash |
|------------------------------|------------------------------|
| F mathematics | D math |
| F protrusions F solutions | D predefined D whatever |
| F typefaces | hashes table |
| F load | D characters |
| F prepare_features | D csnames |
| F register | T dynamics |
| F report | D identifiers |
| handlers table | D marks |
| T afm | D parameters |
| B addkerns | T processes |
| B addligatures | D quads |
| B addtexligatures | T setdynamics |
| B autoprefixed | D xheights |
| D cache | helpers table |
| D features | F dimenfactor |
| F load | F getdigitwidth |
| F setfeatures | F getparameters |
| B syncspace | F nametoslot |
| N version | F setdigitwidth |
| T otf | <pre>iterators table</pre> |
| F addfeature | F characters |
| D cache | F descriptions |
| T chainhandlers | F glyphs |
| F normal | <pre>loggers table</pre> |
| F verbose | F format |
| F collectlookups | F onetimemessage |
| F dataset | F register |
| D enhancers | F reportdefinedfonts |
| D features | F reportusedfeatures |
| F getalternate | mappings table |
| T glists | F addtounicode |
| F load | F fromunicode16 |
| F scriptandlanguage | F loadfile |
| F setcontextchain | F loadline |
| F setdynamics | F loadlumtable |
| F setfeatures | F makenameparser |
| T tables | F reset |
| D baselines | F tounicode16 |
| D features | F tounicode16sequence |
| D languages | names table |
| D scripts | S basename |
| N version | B be_clever |
| T pfb T tfm | D cache F cleanfilename |
| D features | F cleanname |
| F setfeatures | F collect |
| r setteatures T vf | F collectfiles |
| T combinations | F collectifies F collectspec |
| F combine | T data |
| r combine T combiner | B enabled |
| D commands | F exists |
| F find | T filters |
| D helpers | F afm |
| z morporo | 1 CIM |

| F dfont | protrusions | data table |
|-------------------------|--------------|------------|
| T list | readers | table |
| T names | F afm | |
| F otf | F check_lua | |
| T paths | F check_tfm | |
| F pfb | F dfont | |
| F ttc | F lua | |
| F ttf | F opentype | |
| S fontconfigfile | F otf | |
| F getfilename | F pfb | |
| F getlookupkey | D sequence | |
| F getlookups | F tfm | |
| F getpaths | F ttc | |
| F identify | F ttf | |
| F is_permitted | specifiers | table |
| F list | D contextmer | ged |
| F load | F contextnum | ber |
| B loaded | D contextnum | bers |
| F lookup | D contextset | ups |
| F noflookups | F contexttos | tring |
| S osfontdirvariable | F mergeconte | xt |
| F readdata | F presetcont | ext |
| F register | F registerco | ntext |
| F registered | F showcontex | t |
| F resolve | F splitconte | xt |
| F resolvedspecification | D synonyms | |
| F resolvespec | D variants | |
| B saved | symbols | table |
| F specification | F uselibrary | |
| D specifications | tables | table |
| F splitspec | tracers | table |

N version F writedata 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 | ${\tt function}$ |
| сору | function | scan | function |
| immediatewrite | function | serialize | ${\tt function}$ |
| 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 table help 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)

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

io (basic lua)

| ask | function | 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)

F save

| comment | Tunction | F savetag | ged |
|------------|----------|-------------|----------|
| files | table | D tobesay | red |
| D collec | ted | positions | table |
| F contex | t | D collect | ed |
| B forcer | un | F copy | |
| F run | | F depth | |
| D tobesa | ved | F extra | |
| initialize | function | F height | |
| load | function | F lowerle | eft |
| loadother | function | F lowerri | .ght |
| objects | table | F onsamep | age |
| D collec | ted | F overlap | ping |
| F doifel: | se | F page | |
| F get | | F position | n |
| F number | | F replace | : |
| F page | | D tobesay | red |
| F save | | F upperle | eft |
| F set | | F upperri | .ght |
| D tobesa | ved | F width | |
| pack | boolean | Fx | |
| passes | table | F xy | |
| F check | | Fу | |
| D collec | ted | register | function |
| F count | | save | function |
| F define | | structure | table |
| F find | | D collect | ed |
| F first | | T tobesav | red |
| F get | | T branc | hes |
| F getcol | lected | S name | |
| F getdata | a | S type | |
| F getfie | ld | variables | table |
| F gettob | esaved | D checksu | ıms |
| F inlist | | D collect | ed |
| F last | | F save | |
| F list | | D tobesaved | |

version number

lang (basic tex)

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

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

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

 ${\tt function}$ pv function reset result function function set show function ${\tt showdebuginfo} \quad {\tt function}$ showerror function tv function ${\tt function}$ type urlescape function variable function variables data table

logs (context)

| application | function | setformats | function |
|-----------------|----------|-------------------------|----------|
| categories | function | setmessenger | |
| direct | function | ${	t setprogram}$ | function |
| disable | function | settarget | function |
| enable | function | settranslations | function |
| extendbanner | function | show | function |
| flush | function | show_close | function |
| help | function | show_load | function |
| messenger | function | show_open | function |
| new | function | simple | function |
| newline | function | simpleline | function |
| poptarget | function | simplelines | function |
| pushtarget | function | start_page_number | function |
| report | function | status | function |
| report_job_stat | function | stop_page_number | function |
| reportbanner | function | subdirect | function |
| reporter | function | subreport | function |
| reporters | function | system | function |
| reportline | function | ${\tt texerrormessage}$ | function |
| reportlines | function | writer | 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 |
| <pre>checkedkey function pdftimestamp</pre> | function |
| checkedvalue function protectresources | boolean |
| circularshade function reference | function |
| <pre>cmykcode function registerannotation</pre> | 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 |
| finishtransparencycode function tosixteen | function |
| flushobject function transparency | function |
| flushstreamfileobject function transparencycode | function |
| flushstreamobject function transparencyvalue | function |
| formats data table unicode | function |
| graycode function verbose | function |

lpeg (basic lua)

| C | function |
|--------------|----------|
| Carg | function |
| Ср | function |
| Сс | function |
| Cf | function |
| Cg | function |
| Cmt | function |
| Ср | function |
| Cs | function |
| Ct | function |
| P | function |
| R | function |
| S | function |
| UP | function |
| UR | function |
| US | function |
| V | function |
| anywhere | function |
| append | function |
| balancer | function |
| checkedsplit | function |
| count | function |

| counter | function |
|-----------------------|------------|
| endstripper | function |
| firstofsplit | function |
| frontstripper | function |
| is_lpeg | function |
| keeper | function |
| locale | function |
| match | function |
| oneof | function |
| patterns | data table |
| print | function |
| replacer | function |
| ${\tt secondofsplit}$ | function |
| span | function |
| split | function |
| splitat | function |
| splitter | function |
| stripper | function |
| tsplitat | function |
| tsplitter | function |
| type | function |
| version | function |
| | |

ltn12 (extra lua)

| BLOCKSIZE | number | F simplify |
|-----------|--------|-------------------------|
| filter | table | F table |
| F chain | | <pre>source table</pre> |
| 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 delay function 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)

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

lxml (context)

| | • | | function |
|-----------------------------|------------|-----------------------------|------------|
| addindex | function | | |
| all | function | loadbuffer | |
| applyfunction | function | loaddata | |
| att | function | loaded | table |
| attribute | function | loadregistered | function |
| chainattribute | function | main | function |
| checkindex | function | match | function |
| collected | function | name | function |
| command | function | namespace | function |
| concat | function | nonspace | function |
| concatrange | function | pos | function |
| content | function | position | function |
| context | function | raw | function |
| convert | function | rawroot | function |
| count | function | register | function |
| delete | function | registerentity | function |
| direct | function | removesetup | function |
| directives | table | resetcdata | function |
| F after | | resetsetups | function |
| F before | | resolvedentity | function |
| F handle | | root | function |
| F load | | serialize | function |
| F setup | | setaction | function |
| ${	t display}{	t verbatim}$ | function | setcdata | function |
| doif | function | $\verb"setcommand to none"$ | function |
| doifelse | function | ${\tt setcommandtotext}$ | function |
| doifelsetext | function | setsetup | function |
| doifnot | function | snippet | function |
| doifnottext | function | sorters | table |
| doiftext | function | F add | |
| element | function | F compare | |
| elements | function | F flush | |
| entities | data table | F reset | |
| filter | function | F show | |
| filterlist | function | F sort | |
| first | function | splitid | function |
| flush | function | startraw | function |
| flushsetups | function | stopraw | |
| get_id | function | store | function |
| getid | function | strip | function |
| getindex | function | stripped | function |
| id | function | tag | function |
| idsplitter | userdata | text | function |
| include | function | tofile | function |
| index | function | toparameters | function |
| info | function | toverbatim | function |
| inlineverbatim | function | verbatim | function |
| installsetup | function | withindex | function |
| last | function | xmltexhandler | data table |
| | | | |

math (basic lua)

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

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

mathematics (context)

| addfallbacks | function | makefont | function |
|-------------------------------|------------|----------------------------|----------|
| alphabets | data table | ${\tt overloadparameters}$ | function |
| big | function | privatebase | number |
| boldmap | table | remapalphabets | function |
| categories | table | renderings | table |
| D functions | | D mappings | |
| ${\tt checkaccentbaseheight}$ | function | D numbers | |
| checkprivateparameters | function | D sets | |
| classes | data table | renderset | function |
| codes | data table | ${	t scale}$ parameters | function |
| define | function | setalternate | function |
| dimensions | function | syncboth | function |
| extrabase | number | syncname | function |
| extras | table | syncstyle | function |
| F add | | toname | function |
| F copy | | tostyle | function |
| families | data table | ${\tt utfmathclass}$ | function |
| gaps | table | ${\tt utfmathcommand}$ | function |
| getboth | function | utfmathfiller | function |
| getstyle | function | ${\tt utfmathstretch}$ | function |
| initializeparameters | function | | |

md5 (extra lua)

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

metapost (context)

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

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 base6 | 34 |
| F base64 | | F defau | ılt |
| F quoted | -printable | F quote | d-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 variants |
|----------------|-----------------------------|
| F check | <pre>process function</pre> |
| F collapse | <pre>processors table</pre> |
| F families | T collapse |
| F relocate | F mlist_to_hlist |
| F render | T relocate |
| F resize | T render |
| F respace | T resize |
| F tags | T respace |
| F unscript | 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 | <pre>protect_glyphs</pre> | function |
| family_font | function | <pre>protrusion_skippable</pre> | 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 | 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 setpair | |
|------------------------|------------|-------------------------|------------|
| aligned | function | installattributehandler | function |
| astable | function | is_display_math | function |
| before | function | is_mirrored | data table |
| builders | table | is_rotated | data table |
| F buildpage_filter | 3442 | kerncodes | data table |
| F vpack_filter | | leftmarginwidth | function |
| codes | data table | 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 backgrounds | | pardir_is_parallel | data table |
| F characters | | partextdir_is_equal | data table |
| F checkforleaks | | pool | table |
| F checkglyphs | | F baselineskip | |
| F cleanuppage | | F cleanup | |
| F export | | F disc | |
| F finalize | | F fontkern | |
| F graphicvadjust | | F glue | |
| F migrate | | F gluespec | |
| F protectglyphs | | F glyph | |
| F stripping | | F kern | |
| F unprotectglyphs | | F latelua | |
| has_attribute | function | F leftmarginkern | |
| idstostring | function | F leftskip | |
| ignorablefields | data table | F lineskip | |
| injections | table | F noad | |
| F handler | | F pdfannotation | |
| F setcursive | | F pdfdestination | |
| F setkern | | F pdfdirect | |
| F setmark | | F pdfliteral | |
| | | | |

| | | show | function |
|---|--|--|-------------------------------------|
| F penalty F register | | showboxes | function |
| F rightmarginkern | | showcodes | function |
| F rightskip | | showlist | function |
| F rule | | showsimplelist | function |
| F shrink | | skipcodes | data table |
| F stretch | | somepenalty | function |
| F temp | | somespace | function |
| F textdir | | stripping | table |
| F usage | | F enable | |
| T userids | | T glyphs | |
| 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 | for at i an | tonodes tosequence | function function |
| T stack remove | function | tonodes tosequence totable | function function function |
| T stack remove repackhlist | function | tonodes tosequence totable toutf | function function function function |
| T stack remove repackhlist replace | function function | tonodes tosequence totable toutf tracers | function function function |
| T stack remove repackhlist replace report | function function function | tonodes tosequence totable toutf tracers T characters | function function function function |
| T stack remove repackhlist replace report rightmarginwidth | function function function function | tonodes tosequence totable toutf tracers T characters F collect | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules | function function function | tonodes tosequence totable toutf tracers T characters F collect F equal | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data | function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define | function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable | function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler | function function function function table | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler save | function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes T colors | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler | function function function function table function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler save serialize | function function function function table function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes T colors F reset | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler save serialize serializebox | function function function function table function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes T colors F reset F set | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler save serialize serializebox setattribute | function function function table function function function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes T colors F reset F set F fontchar | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler save serialize serializebox setattribute setattributes | function function function table function function function function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes T colors F reset F set F fontchar F start | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler save serialize serializebox setattribute setattributes setunsetattributes | function function function table function function function function function function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes T colors F reset F set F fontchar F start T steppers | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler save serialize serializebox setattribute setattributes setunsetattributes shifts | function function function table function function function function function function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes T colors F reset F set F fontchar F start T steppers F check | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler save serialize serializebox setattribute setattributes setunsetattributes shifts D data | function function function table function function function function function function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes T colors F reset F set F fontchar F start T steppers F check F codes | function function function function |
| T stack remove repackhlist replace report rightmarginwidth rules D data F define F enable F handler save serialize serializebox setattribute setattributes setunsetattributes shifts D data F define | function function function table function function function function function function function function function | tonodes tosequence totable toutf tracers T characters F collect F equal F indices F start F string F unicodes T colors F reset F set F fontchar F start T steppers F check F codes F features | function function function function |

F messages
F nofsteps
F register
F reset
F start
F stop
F stop

unsetattributes unsetattributes visualizebox whatcodes whatsitcodes writable_spec function function function data table data table function

number (context)

| | function | todidots | function |
|---------------|------------|------------------------|----------|
| basepoints | function | todimen | function |
| bit | function | toevenhex | function |
| bits | function | toinches | function |
| clearbit | function | tomillimeters | function |
| dimenfactors | data table | tonewciceros | function |
| hasbit | function | tonewdidots | function |
| maxdimen | number | tonumberf | function |
| percent | function | tonumberg | function |
| points | function | topicas | function |
| setbit | function | topoints | function |
| tobasepoints | function | toscaled | function |
| tobitstring | function | ${\tt toscaledpoints}$ | function |
| tocentimeters | function | toset | function |
| tociceros | 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 | loaders |
|-----------------|----------|--------------------------|
| clibpaths | function | loadlib |
| config | string | path |
| cpath | string | preload |
| libpaths | function | ${\tt prependtolibpath}$ |
| loaded | table | seeall |

table
function
string
table
function
function

pdf (basic tex)

| <pre>immediateobj mapfile</pre> | function function | pageresources pagesattributes | string string |
|---------------------------------|-------------------|----------------------------------|------------------|
| mapline | function | pdfmapfile | function |
| maxobjnum | function | pdfmapline | function |
| obj | function | print | function |
| objtype | function | refobj | function |
| pageattributes | string | registerannot | function |
| pageref | function | reserveobj | function |

physics (context)

patterns table

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 | installinputfilehandler | function |
| cacheversion | string | 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 | |
| dowithfilesandreport | function | D foundintrees | |
| dowithfilesintree | function | D hashed | |
| dowithpath | function | D hashes | |
| dowith variable | function | D lists | |
| env | function | B loaderror | |
| executers | table | D order | |
| F check | | B remember | |
| F execute | | B renewcache | |
| F finalize | | B savelists | |
| F register | | D setups | |
| expandbraces | function | D specification | |
| ${\tt expandedpathfromlist}$ | function | D variables | |
| expandedpathlist | function | jobs | table |
| expandedpathlistfromvariable | function | F currentcomponent | |
| expandpath | function | F justacomponent | |
| expandpathfromvariable | function | D processors | |
| expansion | function | F usefile | |
| extendtexmfvariable | function | joinpath | function |
| find_file | function | load | function |
| find_files | function | loadbinfile | function |
| findbinfile | function | loaders | data table |
| findctxfile | function | loadlualib | function |
| finders | data table | loadtexfile | function |
| findfile | function | loadtime | function |
| findfiles | function | locateformat | function |
| findgivenfile | function | locators | data table |
| findgivenfiles | function | luacnfname | string |
| findpath | function | luacnfspec | string |
| findtexfile | function | luacnfstate | string |
| findwildcardfile | function | macros | table |
| findwildcardfiles | function | F convertfile | |
| formatofsuffix | function | F decodecomment | |
| formatofvariable | function | F enablecomment | |
| formats | data table | F encodecomment | |
| generators | data table | F preprocessed | |
| getenv | function | F processmkvi | |

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

short_operators (context)

short_prefixes (context)

| E | string | da | string |
|---|--------|----|--------|
| G | string | f | string |
| M | string | h | string |
| P | string | k | string |
| T | string | m | string |
| Y | string | n | string |
| Z | string | p | string |
| a | string | u | string |
| С | string | У | string |
| d | string | | |
| | | | |

short_units (context)

| Litre | string | m | string |
|-------|--------|---|--------|
| Metre | string | n | string |
| g | string | s | string |
| h | string | u | string |
| hz | string | v | string |

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 | tname | S SERVE | R |
| F tohost | name | N TIMEO | UT |
| F toip | | S ZONE | |
| ftp | table | F messa | ge |
| S PASSWO | RD | F open | |
| N PORT | | F send | |
| N TIMEOU | T | source | function |
| S USER | | sourcet | table |
| F comman | d | F by-le | ngth |
| F get | | F defau | lt |
| F open | | F http- | chunked |
| F put | | F until | -closed |
| gettime | function | tcp | function |
| http | table | tp | table |
| N PORT | | N TIMEO | UT |
| N TIMEOU | T | F conne | ct |
| S USERAG | ENT | try | function |
| F open | | udp | function |
| F reques | t | url | table |
| newtry | function | F absol | ute |
| protect | function | F build | |
| select | function | F build | _path |
| sink | function | F escap | е |
| sinkt | table | F parse | |
| F close- | when-done | F parse | _path |
| F defaul | t | F unesc | ape |
| F http-c | hunked | | |

sorters (context)

comparers table
F basic
constants table
S defaultdigits
S defaultlanguage
S defaultmethod
N digitsmaximum
N digitsoffset
N ignoredoffset

 ${\tt N}$ replacementoffset

definitions data table firstofsplit function setlanguage function function sort splitters table F utf strip function tracers data table update function

statistics (context)

| checkfmtstatus | function |
|---------------------|----------|
| elapsedindeed | function |
| elapsedseconds | function |
| ${\tt elapsedtime}$ | function |
| enable | boolean |
| formatruntime | function |
| hastiming | function |
| memused | function |
| register | function |
| reportstorage | function |

resettiming ${\tt function}$ runtime function savefmtstatus function show function ${ t showjobstat}$ function starttiming function stoptiming function threshold number timed function

status (basic tex)

list function

storage (context)

allocate function
data table
evaluators table
mark function
marked function
max number

minnumbernofmodulesnumbernoftablesnumberregisterfunctionshareddata 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 |
| escapedpattern | function |
| explode | function |
| find | function |
| format | function |
| gfind | function |
| gmatch | function |
| gsub | function |
| is_boolean | function |
| is_empty | function |
| len | function |
| limit | function |
| lower | function |

| match | function |
|------------------|----------|
| quote | function |
| quoted | function |
| rep | function |
| reverse | function |
| split | function |
| splitlines | function |
| splitup | function |
| strip | function |
| sub | function |
| toboolean | function |
| tocontext | function |
| todimen | function |
| topattern | function |
| toutf | function |
| unquote | function |
| ${\tt unquoted}$ | function |
| upper | function |
| utfcharacters | function |
| utfsplitlines | function |
| utfvalues | 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 analyze | |
| F restore | | D cached | |
| F save | | D collected | |
| F set | | F doifstoredelse | |
| F setlevel | | F enhance | |
| F setoffset | | T enhancers | |
| F setown | | F filter | |
| F setstate | | F filtercollected | |
| F setvalue | | F formulanumber | |
| F show | | D internals | |
| T specials | | F label | |
| F userpage | | F location | |
| F subs | | F number | |
| D tobesaved | | D ordered | |
| - | | | |

| E | nago | | E | listindex | |
|---------------------------------|---|-------|---------------------------------|---|-------|
| | page | | | number | |
| | popnesting | | | | |
| | prefix | | | ordered | |
| | prefixednumber | | | postpone | |
| | prefixedpage | | | resetpostponed | |
| F | process | | | restore | |
| F | push | | F | save | |
| | pushed | | | setstate | |
| | pushnesting | | | setsymbolpage | |
| | realpage | | D | states | |
| | result | | | store | |
| | savednumber | | | title | |
| | savedprefixednumber | | pages | | table |
| | savedtitle | | | analyze | |
| | sectionnumber | | _ | collected | |
| | size | | | is_odd | |
| | title | | | number | |
| D | tobesaved | | | save | |
| F | userdata | | | tobesaved | |
| F | uservalue | | proce | essors | table |
| mark | S | table | F | apply | |
| D | data | | F | register | |
| F | define | | F | reset | |
| F | exists | | F | split | |
| F | fetch | | F | startapply | |
| F | fetchallmarks | | F | stopapply | |
| F | fetched | | F | stripped | |
| F | fetchonemark | | | tostring | |
| F | fetchtwomarks | | refe | rences | table |
| F | get | | F | analyze | |
| F | number | | F | checkedfile | |
| F | relate | | F | checkedfileorurl | |
| F | reset | | F | checkedprogram | |
| F | set | | F | checkedrealpage | |
| F | show | | F | checkedurl | |
| F | synchronize | | D | collected | |
| F | title | | U | componentsplitter | |
| Т | tracers | | F | currentmetadata | |
| | F showtable | | F | currentorder | |
| note | S | table | D | currentset | |
| F | | | | | |
| F | checkpagechange | | F | define | |
| F | checkpagechange define | | | define defined | |
| | | | D | | |
| | define | | D D | defined | |
| F | define deltapage | vious | D D F | defined derived | |
| F F | define deltapage doifcontent | vious | D D F F | defined derived doifelse | |
| F F F | define deltapage doifcontent doifonsamepageaspre | vious | D D F F | defined derived doifelse enableinteraction | |
| F F F | define deltapage doifcontent doifonsamepageaspre flush | vious | D F F F D | defined derived doifelse enableinteraction enhance | |
| F F F F | define deltapage doifcontent doifonsamepageaspre flush flushpostponed | vious | D D F F D F | defined derived doifelse enableinteraction enhance executers expandcurrent export | |
| F F F F F | define deltapage doifcontent doifonsamepageaspre flush flushpostponed get | vious | D D F F D F | defined derived doifelse enableinteraction enhance executers expandcurrent | |
| F F F F F | define deltapage doifcontent doifonsamepageaspre flush flushpostponed get getn | vious | D D F F D F | defined derived doifelse enableinteraction enhance executers expandcurrent export | |
| F F F F F F | define deltapage doifcontent doifonsamepageaspre flush flushpostponed get getn getnumberpage | vious | D D F F D F | defined derived doifelse enableinteraction enhance executers expandcurrent export files | |
| F F F F F F | define deltapage doifcontent doifonsamepageaspre flush flushpostponed get getn getnumberpage getstate | vious | D D F F D F | defined derived doifelse enableinteraction enhance executers expandcurrent export files T data | |
| F F F F F F F | define deltapage doifcontent doifonsamepageaspre flush flushpostponed get getn getnumberpage getstate getsymbolpage | vious | D D F F D F T | defined derived doifelse enableinteraction enhance executers expandcurrent export files T data F define | |

| D | filters | Т | testrunners | |
|---|-----------------------|-------|---------------------|----------------|
| F | from | | F inner | |
| F | get | | F special | |
| F | getcurrentmetadata | | F special operation | |
| F | getcurrentprefixspec | | F special operation | with arguments |
| F | getinnermethod | T | testspecials | |
| F | getinternalreference | | F deltapage | |
| D | handlers | | Fi | |
| F | identify | | F internal | |
| F | import | | F page | |
| F | inject | | F realpage | |
| | injectcurrentset | | F section | |
| | internals | | F userpage | |
| F | load | D | tobereferred | |
| F | loadpresets | D | tobesaved | |
| | mark | | urls | |
| D | pages | | T data | |
| | prefixsplitter | | F define | |
| | productdata | | F get | |
| • | T componentreferences | | whatfrom | |
| | T components | regis | | table |
| | T productreferences | _ | analyze | 00010 |
| | programs | | analyzed | |
| • | T data | | collected | |
| | F define | | compare | |
| | F get | | define | |
| | realpageofpage | | enhance | |
| | referencesplitter | | extend | |
| | referred | | filter | |
| | | | filtercollected | |
| | referredpage | | finalize | |
| | registerfinalizer | | | |
| | registerinitializer | | flush | |
| | registerpage | | prepare | |
| | reportproblems | | process | |
| | reset | | sort | |
| | resolvers | | store | |
| | F description | | tobesaved | |
| | F float | | unique userdata | |
| | F formula | | | +0610 |
| | F note | secti | | table |
| | F reference | | autodepth | |
| | F section | | cct | |
| | runners | | collected | |
| | set | | current | |
| | setandgetattribute | | currentblock | |
| | setcomponent | | currentid | |
| | setinnermethod | | currentlevel | |
| | setinternalreference | | defineautolevels | |
| | setnextinternal | | depthnumber | |
| | setnextorder | | finddata | |
| | specials | | findnumber | |
| | splitcomponent | | fullnumber | |
| | splitprefix | | getcurrentlevel | |
| F | splitreference | F | getlevel | |
| | | | | |

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

D collected

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 | setmetatablecall | function |
| count | function | 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 | pdffontname | function |
|---------------------------------------|--|-----------------|-------------|
| badness | function | pdffontobjnum | function |
| box | table | pdffontsize | function |
| catcode | table | pdfpageref | function |
| conditionals | data table | pdfxformname | function |
| constants | data table | primitives | function |
| count | table | print | function |
| ctxcatcodes | number | printlist | function |
| definefont | function | prtcatcodes | number |
| delcode | table | romannumeral | function |
| dimen | table | round | function |
| ${\tt dummycatcodes}$ | number | run | function |
| enableprimitives | function | scale | function |
| error | function | scratchcatcodes | number |
| extraprimitives | function | set | function |
| finish | function | setattribute | function |
| fontidentifier | function | setbox | function |
| fontname | function | setcatcode | function |
| fprint | function | setcount | function |
| get | function | setdelcode | function |
| getattribute | function | setdimen | function |
| getbox | function | setfalse | function |
| getcatcode | function | setlccode | function |
| getcount | function | setlist | function |
| getdelcode | function | setmath | function |
| getdimen | function | setmathcode | function |
| getlccode | function | setnest | function |
| getlist | function | setsfcode | function |
| getmath | function | setskip | function |
| getmathcode | function | settoks | function |
| getnest | function | settrue | function |
| getsfcode | function | setuccode | function |
| getskip | function | sfcode | table |
| gettoks | function | shipout | function |
| getuccode | function | skip | table |
| hashtokens | function | sp | function |
| ifs | data table | 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 |
| number | function | | |
| · · · · · · · · · · · · · · · · · · · | · ·- · · · · · · · · · · · · · · · · · | | |

texconfig (basic tex)

| error_line | number | 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 tabl
hbox tabl

egroup table
hbox table
letter function
letters function
other function
vbox table
vtop table

tracers (context)

count function
cs function
dimen function
knownlist function
lists table

T context
T internals
T scratch

name function
primitive function
printerror function
showlines function
strings table

S undefined

toks function
type function

trackers (context)

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

typesetters (context)

alignments table directions table F handler F handler F set F process breakpoints table F set N attribute hpack function kerns F enable table F handler D factors D mapping F handler T methods B keepligature F set B keeptogether F setreplacement D mapping table cases F set T actions margins table F handler F finalhandler F set F globalhandler characters table F localhandler F save F handler table cleaners spacings table F handler N attribute F set F handler digits table D mapping T actions F set N attribute F setup F handler tonodes function vpack function F set

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)

| | . 17 | _ | _ |
|------------------|-----------------|-------|-------------------|
| debugger | table | | appendgroup |
| F disable | | | autocompile |
| F enable | | | compile |
| F savestats | | F | disableaction |
| F showstats | | F | disablegroup |
| formatters | table | F | enableaction |
| F formatcolumns | | F | enablegroup |
| F list | | D | functions |
| F stripzeros | | F | localize |
| garbagecollector | table | F | nodeprocessor |
| F check | | F | prependaction |
| N criterium | | F | prependgroup |
| B enabled | | F | removeaction |
| lua | table | F | reset |
| F compile | | F | setkind |
| packers | table | F | tostring |
| F hashed | | sette | ers table |
| F new | | F | disable |
| F pack | | F | enable |
| F simplehashed | | F | initialize |
| F strip | | F | list |
| F unpack | | F | new |
| N version | | F | register |
| parsers | table | F | reset |
| F add_settings_t | o_array | F | show |
| F arguments_to_t | able | stora | age table |
| F array_to_strin | g | F | allocate |
| F getparameters | | F | checked |
| F hash_to_string | | F | mark |
| F listitem | | F | marked |
| F make_settings_ | to_hash_pattern | F | setinitializer |
| T patterns | - | F | sparse |
| U settings_to_a | array | strin | = |
| U settings_to_1 | hash_a | F | collapsecrlf |
| U settings_to_1 | | | newrepeater |
| U settings_to_1 | hash_c | | striplong |
| F settings_to_ar | | | tabtospace |
| F settings_to_ha | • | table | = |
| F settings_to_ha | | F | accesstable |
| F settings_to_ha | | F | definetable |
| F settings_to_se | | F | encapsulate |
| F simple_hash_to | | | insertaftervalue |
| report | function | | insertbeforevalue |
| sequencers | table | | migratetable |
| F appendaction | | | removevalue |
| | | | |

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)

| after | function | E | |
|------------------------------------|----------------------|----------------------|-------------------|
| all | function | F name | |
| | function | F number | |
| applylpath | | F oneof | |
| assign attribute | function function | F print | |
| before | | F quit | |
| | function | F tag | |
| body | function | F text | |
| checkbom | function function | F undefined | |
| checkerror | | F upper fillin | function |
| checknamespace checkns | function function | filter | function function |
| | | finalizers | |
| cleansed collect | function function | | table |
| | | T tex | |
| collect_elements | function function | F all | |
| collect_tags | function | F attribute | |
| <pre>collect_texts collected</pre> | function | F bibtexconcat | |
| collecteats | function | F bibtexshort | |
| | function | F chainattribute | |
| content | function | F command | |
| convert | function | F concat | |
| copy | function | F concatrange | |
| | function | F context F count | |
| cprint css | table | F ctxtext | |
| F colorspecification | cable | F default | |
| F fontspecification | | F first | |
| F padding | | F function | |
| defaulthandlers | table | F index | |
| D file | Jubic | F last | |
| D parsedxml | | F lettered | |
| D string | | F lower | |
| D tex | | F match | |
| D verbose | | F name | |
| defaultprotocol | string | F position | |
| delete | function | F reverse | |
| delete_element | function | F stripped | |
| each | function | F tag | |
| each_element | function | F tags | |
| elements | function | F text | |
| empty | function | F upper | |
| entities | data table | T xml | |
| erase | function | F all | |
| escaped | function | F att | |
| expressions | table | F attribute | |
| F boolean | | F attributes | |
| F child | | F chainattribute | |
| F contains | | F count | |
| F count | | F default | |
| F error | | F elements | |
| F find | | F empty | |
| F lower | | F first | |

| F function | | F unknown_any_entity | |
|---|-------------------|----------------------|-------------------|
| F index | | F unknown_dec_entity | |
| F last | | F unknown_hex_entity | |
| F match | | position | function |
| 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 |
| getbuffer | function | remap_tag | function |
| gethandlers | function | remapname | function |
| gethandlersfunction | function | remaphamespace | function |
| include | function | remaphag | function |
| index | function | renamespace | function |
| inheritedconvert | function | replace | function |
| | function | replace_element | function |
| inject inject_element | function | resolvens | function |
| inject_element_after | function | root | function |
| inject_element_before | function | save | function |
| injectafter | function | selection | function |
| • | function | serialize | function |
| injectbefore | | | |
| insert | function | sethandlersfunction | function |
| insert_element | function function | setproperty | function |
| <pre>insert_element_after insert_element_before</pre> | | settings | function |
| | function | specialhandler | table |
| insertafter insertbefore | function | sprint | function |
| | function | string | function |
| inspect | function | strip | function function |
| is_valid | function | strip_whitespace | |
| last | function | stripelement | function |
| load | function | stripleadingspaces | function |
| lpath | function | table | function |
| lpathcached | function | text | function |
| lpathcalls | function | textonly | function |
| lshow | function | tocdata | function |
| makestandalone | function | toelement | function |
| match | function | tostring | function |
| name | function | toxml | function |
| newhandlers | function | tprint | function |
| nodesettostring | function | traverse | function |
| originalload | function | unescaped | function |
| package | function | unprivatized | function |
| parent | function | withelement | function |
| parsedentitylpeg | userdata | withelements | function |
| pihandlers | table | wrap | function |
| placeholders | table | 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 | decompress | function |
|-------------|----------|---------------|----------|
| compress | function | decompressobj | function |
| compressobj | function | version | function |
| crc32 | function | | |