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callback callbacks catcodes characters
chemicals commands containers context
converters coroutine debug dir
directives document documentdata
environment epdf experiments figures
file floats font fontloader fonts
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io job lang languages layouts lfs
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mplib noads node nodes number os
package parametersets pdf physics
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status storage streams string
structures table tex texconfig
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ConTeXt MkIV

global (alias: _G)

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| attributes | table | lang | table |
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| environment | table | noads | table |
| epdf | table | node | table |
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| interactions | table | regimes | table |
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| | | | |
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| <code>require</code> | <code>function</code> | <code>toboolean</code> | <code>function</code> |
| <code>resolvers</code> | <code>table</code> | <code>tocontext</code> | <code>function</code> |
| <code>scripts</code> | <code>table</code> | <code>token</code> | <code>table</code> |
| <code>select</code> | <code>function</code> | <code>tokens</code> | <code>table</code> |
| <code>set</code> | <code>table</code> | <code>tonumber</code> | <code>function</code> |
| <code>setfenv</code> | <code>function</code> | <code>tostring</code> | <code>function</code> |
| <code>setmetatable</code> | <code>function</code> | <code>trace_characters</code> | <code>boolean</code> |
| <code>short_operators</code> | <code>table</code> | <code>traceback</code> | <code>function</code> |
| <code>short_prefixes</code> | <code>table</code> | <code>tracers</code> | <code>table</code> |
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| <code>socket</code> | <code>table</code> | <code>type</code> | <code>function</code> |
| <code>sorters</code> | <code>table</code> | <code>typesetters</code> | <code>table</code> |
| <code>statistics</code> | <code>table</code> | <code>unicode</code> | <code>table</code> |
| <code>status</code> | <code>table</code> | <code>unpack</code> | <code>function</code> |
| <code>storage</code> | <code>table</code> | <code>url</code> | <code>table</code> |
| <code>streams</code> | <code>table</code> | <code>utf</code> | <code>table</code> |
| <code>string</code> | <code>table</code> | <code>utilities</code> | <code>table</code> |
| <code>stripmath</code> | <code>function</code> | <code>visualizers</code> | <code>table</code> |
| <code>structures</code> | <code>table</code> | <code>xml</code> | <code>table</code> |
| <code>table</code> | <code>table</code> | <code>xpcall</code> | <code>function</code> |
| <code>tex</code> | <code>table</code> | <code>xtables</code> | <code>table</code> |
| <code>texconfig</code> | <code>table</code> | <code>zip</code> | <code>table</code> |
| <code>texio</code> | <code>table</code> | <code>zlib</code> | <code>table</code> |

attributes (context)

colorintents table

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

colors table

N attribute
F cmyk
F cmyktogray
F cmyktorgb
F colorcomponents
B couple
D data
N default
F defineintermediatecolor
F definemixcolor
F definemultitonecolor
F defineprocesscolor
F definesimplegray
F definespotcolor
F definetransparency
F enable
F filter
F forcedmodel
F forcesupport
F formatcolor
F formatgray
F gray
F graytohsb
F handler
F hsbtogray
F hsbtorgb
F iccprofile
F isblack
N main
S model
F mpcolor
F mpoptions
U none
F register
D registered
F registerspotcolor
F rgb
F rgbtocmyk
F rgbtogray
F rgbtohsb
N selector
F setmodel
F spot

F spotcolorname
F spotcolorparent
F spotcolorvalue
B supported
F transparencycomponents
B triggering
F usecolors
F value
D values
B weightgray

define function

effects table

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

handlers table

list data table

names data table

negatives table

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

numbers data table

ofnode function

private function

states table

F disabletriggering
F enabletriggering
F finalize
F initialize
F process
F selective
F stacked

transparencies table

N attribute
D data
F enable
F forcesupport
F handler
U none
F register
D registered
B supported
B triggering

| | | |
|---------------------|--------|---------------|
| F value | | B hasorder |
| D values | | D listwise |
| unsetvalue | number | F register |
| viewerlayers | table | D registered |
| N attribute | | D scopes |
| D data | | F setfeatures |
| F define | | F start |
| F enable | | F stop |
| F forcesupport | | B supported |
| F handler | | D values |

backends (context)

| | | |
|-------------------------------|----------|-------------------------|
| codeinjections | table | F setpagetransition |
| current | string | F setupcanvas |
| defaults | table | F setupidentity |
| T codeinjections | | F setxmpfile |
| T nodeinjections | | F startlayer |
| T registrations | | F stoplayer |
| D tables | | F supportedformats |
| install | function | F useviewerlayer |
| nodeinjections | table | F validfield |
| F restore | | F validfieldcategory |
| F save | | F validfieldset |
| F transform | | 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 registerdocumentcloseaction | | F cmykspotcolor |
| F registerdocumentopenaction | | F getspotcolorreference |
| F registeredsymbol | | F grayindexcolor |
| F registerpagecloseaction | | F grayspotcolor |
| F registerpageopenaction | | F rgbindexcolor |
| F registersymbol | | F rgbspotcolor |
| F setfieldcalculationset | | F spotcolorname |
| F setfigurealternative | | F transparency |
| F setfigurecolorspace | | T tables |
| F setfiguremask | | T vfspecials |
| F setformat | | T black |
| F setformsmethod | | T blue |

T green

T red

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 | | load | function |
| F short | | new | function |
| authoryearref | function | singularorplural | function |
| authoryearsref | function | statistics | table |
| convert | function | N nofbytes | |
| hacks | table | N nofdefinitions | |
| F add | | N nofshortcuts | |
| F doifalreadyplaced | | toxml | function |
| F filterall | | | |

blobs (context)

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

builders (context)

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

cache (context)

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

callback (basic tex)

| | |
|-----------------------|---------------------|
| <code>find</code> | function |
| <code>list</code> | function |
| <code>register</code> | overloaded function |

callbacks (context)

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

catcodes (context)

| | |
|-----------------------|------------|
| <code>names</code> | data table |
| <code>numbers</code> | data table |
| <code>register</code> | function |

characters (context)

| | | | |
|----------------------|------------|------------------------------|------------|
| activeoffset | number | is_mark | data table |
| adobename | function | is_spacing | data table |
| bidirectional | data table | lcchars | data table |
| blocks | data table | lccode | function |
| casemap | table | lccodes | data table |
| categories | data table | lettered | function |
| category | function | lower | function |
| categorytags | data table | makeactive | function |
| combined | data table | math | table |
| contextname | function | mathpairs | data table |
| data | data table | ranges | data table |
| decomposed | data table | registerentities | function |
| define | function | remap_hangul_syllable | function |
| description | function | remapentity | function |
| descriptions | data table | 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 | synonyms | data table |
| getrange | function | tex | table |
| graphemes | data table | | |
| hangul | table | | |
| | | D accentmapping | |
| | | F defineaccents | |
| | | F toutf | |
| | | tonumber | function |
| | | ucchars | data table |
| | | uccode | function |
| | | uccodes | data table |
| | | unicodechar | function |
| | | upper | function |
| initialize | function | | |
| is_character | data table | | |
| is_command | 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 | copyfileto | function |
| MPh | function | copyposition | function |
| MPll | function | 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 |
| MPy | function | definefield | function |
| Romannumerals | function | definefieldset | function |
| 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 |
| 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 | doifelsecurrentfontasfeature | function |
| clonefontcollection_one | function | doifelseintwopassdata | function |
| clonefontcollection_two | function | doifelsemarking | function |
| collectfloat | function | doifelseparallel | function |

| | | | |
|-----------------------------|----------|-----------------------------|----------|
| doifelsesavedfloat | function | forcequitjob | function |
| doifelsespaces | function | format | function |
| doifelsestructurecounter | function | formatcolor | function |
| doifelsevisualizer | function | formatgray | function |
| doiffielddcategoryelse | function | freezerandomseed | function |
| doiffielddelse | function | getbuffer | function |
| doiffielddsetelse | function | getbufferctxlua | function |
| doiffiledefinedelse | function | getbuffermkvi | function |
| doiffileexistelse | function | getdefaultfieldvalue | function |
| doiffirstcharelse | function | getfieldcategory | function |
| doifinputfileelse | function | getfirstcharacter | function |
| doifinsetelse | function | getfirsttwopassdata | function |
| doifleapyearelse | function | getfloatvariable | function |
| doiflocfileelse | function | getlasttwopassdata | function |
| doifnot | function | getmarking | function |
| doifnotstructurecounter | function | getprivateattribute | function |
| doifolderversionelse | function | getprivatechar | function |
| doifoverlappingelse | function | getrandomcounta | function |
| doifparentfileelse | function | getrandomcountb | function |
| doifpositionelse | function | getrandomseed | function |
| doifpositionsonsamepageelse | function | getreadfilename | function |
| doifpositionsonthispageelse | function | gettexbuffer | function |
| doifstructurecounter | function | gettwopassdata | function |
| doifurldefinedelse | function | gettwopassdatalist | function |
| doprocstypescriptfile | function | geturl | function |
| doreshapeframedbox | function | grabbuffer | function |
| dostarttextfile | function | helpaction | function |
| dostoptextfile | function | helpreference | function |
| elapsedtime | function | hexstringtonumber | function |
| enablecolor | function | hour | function |
| enablecolorintents | function | hyphenatedlist | function |
| enablefontcolorschemas | function | hyphenatedurl | function |
| enableregime | function | D characters | |
| enabletransparency | function | N lefthyphenmin | |
| enhancelinkedlist | function | D mapping | |
| erasebuffer | function | N righthyphenmin | |
| featureattribute | function | F setcharacters | |
| feedback | function | incrementedstructurecounter | function |
| fetchallmarks | function | insertattachment | function |
| fetchonemark | function | insertcomment | function |
| fetchtwomarks | function | insertfield | function |
| filterreference | function | insertrenderingwindow | function |
| findtwopassdata | function | insertsoundclip | function |
| firstinlist | function | isleapyear | function |
| firststructurecounter | function | languagenumber | function |
| flushfloat | function | laststructurecounter | function |
| flushpostponedblocks | function | lchexnumber | function |
| fontchar | function | lchexnumbers | function |
| fontcollectionmessage | function | leapyear | function |
| fontlookupgetkey | function | loadctxpreplist | function |
| fontlookupgetkeyofindex | function | loadexamodes | function |
| fontlookupinitialize | function | loadfontgoodies | function |
| fontlookupnoffound | function | loadvisualizer | function |
| forceendjob | function | locatefilepath | function |

| | | | |
|----------------------------|----------|----------------------------|----------|
| locfilename | function | registerhelp | function |
| maxitemwidth | function | registeritemgroup | function |
| minute | function | registermaintextcolor | function |
| molecule | function | registerpostponedblock | function |
| month | function | registersoundclip | function |
| monthmnm | function | registerstructureprocessor | function |
| monthname | function | registertransparency | function |
| mpcolor | function | relatemarking | function |
| mpoptions | function | removemissingcharacters | function |
| namedstructureuservariable | function | replacemissingcharacters | function |
| namedstructurevariable | function | replacepospxywhd | function |
| nbfs | function | resavefloat | function |
| nextparallel | function | resetfontcollection | function |
| nextstructurecounter | function | resetfontfeature | function |
| nofdays | function | resetmarking | function |
| nofitems | function | resetmathitalics | function |
| nofstackedfloats | function | resetnullfont | function |
| number | function | resetparallel | function |
| octnumber | function | resetstructurecounter | function |
| octstringtonumber | function | resetstructureprocessor | function |
| ordinal | function | resettimer | function |
| overloadbookmark | function | restartstructurecounter | function |
| pdfrotation | function | restorecurrentattributes | function |
| percentageof | function | restorestructurecounter | function |
| placeparallel | function | romannumerals | function |
| popfloat | function | runbuffer | function |
| popitaliccorrection | function | savebuffer | function |
| prepareMPvariable | function | savecurrentattributes | function |
| preparebibtexsession | function | savefloat | function |
| preparedfile | function | saveparallel | function |
| preparefontcollection | function | savestructureblock | function |
| presetsymbollist | function | savestructurecounter | function |
| presettabulate | function | savetaggedtwopassdata | function |
| prevstructurecounter | function | savetwopassdata | function |
| processbuffer | function | second | function |
| processedfile | function | selectstructureblock | function |
| processedfiles | function | setcloseddocumentaction | function |
| processfile | function | setclosepageaction | function |
| processfilemany | function | setcolormodel | function |
| processfilenone | function | setfontfeature | function |
| processfileonce | function | setfontofid | function |
| pushfloat | function | setformat | function |
| pushitaliccorrection | function | setformsmethod | function |
| rawcharacter | function | setmarking | function |
| rawdate | function | setmathalphabet | function |
| referencepagestate | function | setmathalternate | function |
| referencerealpage | function | setmathattribute | function |
| registerattachment | function | setmathitalics | function |
| registerbibtexentry | function | setmathstyle | function |
| registerbibtexfile | function | setopendocumentaction | function |
| registerbookmark | function | setopenpageaction | function |
| registerbuttons | function | setownstructurecounter | function |
| registercolor | function | setpagetransition | function |
| registercolorintent | function | setrandomseed | function |

| | | | |
|---------------------------|----------|----------------------------|----------|
| setrastercolor | function | structureuservariable | function |
| setrealign | function | structurevariable | function |
| setreferencearguments | function | subff | function |
| setreferenceoperation | function | subfs | function |
| setstructureblockstate | function | synchronizemarking | function |
| setstructurecounter | function | taggedmathfunction | function |
| settagcombination | function | testcase | function |
| settagdescription | function | textime | function |
| settagdescriptionsymbol | function | transparencycomponents | function |
| settagfigure | function | triggereffect | function |
| settaghighlight | function | triggernegative | function |
| settagitemgroup | function | truefilename | function |
| settagproperty | function | typebuffer | function |
| settagsorting | function | typefile | function |
| settagsynonym | function | typestring | function |
| settagtablecell | function | uchexnumber | function |
| settagtabulatecell | function | uchexnumbers | function |
| setupbookmarks | function | unicodechar | function |
| setupcanvas | function | unit | function |
| setupexport | function | updatefilenames | function |
| setupfontexpansion | function | useMPlibrary | function |
| setupfontprotrusion | function | useanyfile | function |
| setupidentity | function | usecldfile | function |
| setupitaliccorrection | function | usecolors | function |
| setxmpfile | function | usecomponent | function |
| showchardata | function | useenvironment | function |
| showfontparameters | function | usefile | function |
| showhyphenatedinlist | function | uselibrary | function |
| showstructurecounter | function | useluafile | function |
| splitfilename | function | usemodules | function |
| spotcolorname | function | usepath | function |
| spotcolorparent | function | useproduct | function |
| spotcolorvalue | function | useproject | function |
| startcomponent | function | usesubpath | function |
| startenvironment | function | usesymbols | function |
| startproduct | function | usetexfile | function |
| startproject | function | useurl | function |
| startregime | function | usexmlfile | function |
| starttag | function | usezipfile | function |
| starttext | function | utfchar | function |
| stopcomponent | function | weekday | function |
| stopenvironment | function | weekdayname | function |
| stopproduct | function | widthofstring | function |
| stopproject | function | writestatus | function |
| stopregime | function | x_table_cleanup | function |
| stoptag | function | x_table_construct | function |
| stoptext | function | x_table_create | function |
| structureautocatcodedget | function | x_table_flush | function |
| structurecatcodedget | function | x_table_init_construct | function |
| structurecountersubs | function | x_table_init_reflow_height | function |
| structurecountervalue | function | x_table_init_reflow_width | function |
| structuregivencatcodedget | function | x_table_next_row | function |
| structurenumber | function | x_table_reflow_height | function |
| structuretitle | function | x_table_reflow_width | function |

| | | | |
|--|----------|---------------------------------------|----------|
| <code>x_table_set_construct</code> | function | <code>x_table_set_reflow_width</code> | function |
| <code>x_table_set_reflow_height</code> | function | <code>year</code> | function |

containers (context)

| | |
|------------------------|----------|
| <code>cleanname</code> | function |
| <code>content</code> | function |
| <code>define</code> | function |
| <code>is_usable</code> | function |

| | |
|-----------------------|----------|
| <code>is_valid</code> | function |
| <code>read</code> | function |
| <code>usecache</code> | boolean |
| <code>write</code> | function |

converters (context)

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

coroutine (basic lua)

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

debug (basic lua)

| | |
|---------------------|----------|
| debug | function |
| getfenv | function |
| gethook | function |
| getinfo | function |
| getlocal | function |
| getmetatable | function |
| getregistry | function |

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

dir (context)

| | |
|-----------------------------|----------|
| <code>collectpattern</code> | function |
| <code>current</code> | function |
| <code>expandname</code> | function |
| <code>glob</code> | function |
| <code>globfiles</code> | function |
| <code>globpattern</code> | function |

| | |
|-----------------------|----------|
| <code>ls</code> | function |
| <code>makedirs</code> | function |
| <code>mkdirs</code> | function |
| <code>pop</code> | function |
| <code>push</code> | function |

directives (context)

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

document (context)

| | | | |
|-------------|------------|--------------------|----------|
| arguments | data table | setargument | function |
| files | table | setdefaultargument | function |
| getargument | function | setfilename | function |
| getfilename | function | | |

environment (context)

| | | | |
|---------------------|------------|------------------------|------------|
| argument | function | luafile | function |
| arguments | data table | luafilechunk | function |
| engineflags | data table | originalarguments | data table |
| files | table | outputfilename | string |
| filesynonyms | data table | ownbin | string |
| homedir | string | ownname | string |
| initex | boolean | ownpath | string |
| initializearguments | function | rawarguments | data table |
| inputfilebarename | string | 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 | preferquality | boolean |
| current | function | programs | data table |
| defaultdepth | number | push | function |
| defaultheight | number | registerpattern | function |
| defaultsearch | boolean | registerresource | function |
| defaultwidth | number | registersuffix | function |
| done | function | resources | data table |
| dummy | function | scale | function |
| exists | 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)

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

floats (context)

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

font (basic tex)

| | |
|----------------------|----------|
| <code>current</code> | function |
| <code>define</code> | function |
| <code>each</code> | function |
| <code>fonts</code> | table |
| <code>frozen</code> | function |
| <code>getfont</code> | function |

| | |
|-----------------------|----------|
| <code>id</code> | function |
| <code>max</code> | function |
| <code>nextid</code> | function |
| <code>read_tfm</code> | function |
| <code>read_vf</code> | function |
| <code>setfont</code> | function |

fontloader (extra tex)

| | |
|--------------------------------|-----------------------|
| <code>apply_afmfile</code> | <code>function</code> |
| <code>apply_featurefile</code> | <code>function</code> |
| <code>close</code> | <code>function</code> |
| <code>fields</code> | <code>function</code> |
| <code>fullinfo</code> | <code>function</code> |

| | |
|-----------------------|-----------------------|
| <code>info</code> | <code>function</code> |
| <code>open</code> | <code>function</code> |
| <code>to_table</code> | <code>function</code> |
| <code>totable</code> | <code>function</code> |

fonts (context)

analyzers table

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

checkers table

- F missing

cid table

- F getmap
- F loadfile

collections table

- F clone_one
- F clone_two
- F define
- T definitions
- F message
- F prepare
- F process
- F reset
- T vectors

constructors table

- F applymanipulators
- F assignmathparameters
- B autocleanup
- D cache
- F calculatyscale
- F checkedfeatures
- F checkedfilename
- F cleanupable
- F collectprocessors
- D designsizes
- D dontembed
- F enhanceparameters
- N factor
- F finalize
- F getfeatureaction
- F hashfeatures
- F hashinstance
- T hashmethods
 - F normal
 - F virtual
- F initializefeatures
- T keys
 - T character
 - S depth
 - S height
 - S italic
 - S width
 - T description
 - T boundingbox
 - S depth

- S height

- S width

- T parameters

- S ascender

- S descender

- S designsize

- T expansion

- S auto

- S shrink

- S step

- S stretch

- S extendfactor

- S factor

- S hfactor

- S mathsize

- T protrusion

- S auto

- S quad

- S scaledpoints

- S scriptpercentage

- S scriptscriptpercentage

- S size

- S slantfactor

- S slantperpoint

- T spacing

- S extra

- S shrink

- S stretch

- S width

- T synonyms

- S em

- S ex

- S extra_space

- S extraspace

- S slant

- S space

- S space_shrink

- S space_stretch

- S spaceshrink

- S spacestretch

- S x_height

- S units

- S vfactor

- S xheight

- T properties

- S autoitalicamount

- T cidinfo

- S embedding

- S encodingbytes

- S filename

- S finalized

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

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

T names
 F otf
 T paths
 F pfb
 F ttc
 F ttf
 S fontconfigfile
 F getfilename
 F getlookupkey
 F getlookups
 F getpaths
 F identify
 F is_permitted
 F list
 F load
 B loaded
 F lookup
 F noflookups
 S osfontdirvariable
 F readdata
 F register
 F registered
 F resolve
 F resolvedspecification
 F resolvespec
 B saved
 F specification
 D specifications
 F splitspec
 N version
 F writedata
protrusions data table

readers table
 F afm
 F check_lua
 F check_tfm
 F dfont
 F lua
 F opentype
 F otf
 F pfb
 D sequence
 F tfm
 F ttc
 F ttf
specifiers table
 D contextmerged
 F contextnumber
 D contextnumbers
 D contextsetups
 F contexttostring
 F mergecontext
 F presetcontext
 F registercontext
 F showcontext
 F splitcontext
 D synonyms
 D variants
symbols table
 F uselibrary
tables table
tracers table
typefaces data table

gzip (extra lua)

`close` function
`lines` function
`open` function

img (basic tex)

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

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

interactions (context)

attachments table

F insert

F register

fields table

F clone

F define

F defineset

F insert

general table

F getidentity

F setupidentity

help table

F collect

F reference

F register

javascripts table

F addtopreamble

F code

D codes

F flushpreambles

D functions

D preambles

F setpreamble

F storecode

F storepreamble

F usepreamblenow

F usescripts

linkedlists table

pages table

F setpagetransition

F setupcanvas

references table

F setcloseddocument

F setclosepage

F setopendocument

F setopenpage

renderings table

F register

F rendering

F var

soundclips table

F insert

F register

interfaces (context)

| | | | |
|-----------------------------|------------|-------------------------|------------|
| addvalidkeys | function | F define | |
| cachedsetups | data table | F list | |
| cachesetup | function | 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 | 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)

| | |
|--------------------|----------|
| comment | function |
| disablesave | function |
| files | table |
| D collected | |
| F context | |
| B forcerun | |
| F run | |
| D tobesaved | |
| initialize | function |
| load | function |
| loadother | function |
| objects | table |
| D collected | |
| F doifelse | |
| F get | |
| F number | |
| F page | |
| F save | |
| F set | |
| D tobesaved | |
| pack | boolean |
| passes | table |
| F check | |
| D collected | |
| F count | |
| F define | |
| F find | |
| F first | |
| F get | |
| F getcollected | |
| F getdata | |
| F getfield | |
| F gettobesaved | |
| F inlist | |
| F last | |
| F list | |
| F save | |
| F savetagged | |
| D tobesaved | |

| | |
|------------------|----------|
| positions | table |
| D collected | |
| F copy | |
| F depth | |
| F extra | |
| F height | |
| F lowerleft | |
| F lowerright | |
| F onsamepage | |
| F overlapping | |
| F page | |
| F position | |
| F replace | |
| F setall | |
| F setdim | |
| F setraw | |
| D tobesaved | |
| F upperleft | |
| F upperright | |
| F v | |
| F width | |
| F x | |
| F xy | |
| F y | |
| register | function |
| save | function |
| structure | table |
| D collected | |
| T tobesaved | |
| T branches | |
| S name | |
| S type | |
| variables | table |
| D checksums | |
| D collected | |
| F save | |
| D tobesaved | |
| version | number |

lang (basic tex)

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

languages (context)

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

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
`basictex` data table
`builtin` data table

`extralua` data table
`extratex` data table
`globals` data table

lmx (context)

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

logs (context)

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

lpdf (context)

| | | | |
|------------------------|------------|---------------------------|----------|
| action | function | id | function |
| adddocumentcolorspace | function | injectxmpinfo | function |
| adddocumenttextgstate | function | insertxmpinfo | function |
| adddocumentpattern | function | javascript | function |
| adddocumentshade | function | launch | function |
| addtocatalog | function | layerreference | function |
| addtoinfo | function | limited | function |
| addtonames | function | linearshade | function |
| addtopageattributes | function | link | function |
| addtopageresources | function | null | function |
| addtopagesattributes | function | number | function |
| addxmpinfo | function | pagedestination | function |
| array | function | pagereference | function |
| boolean | function | pdfcolor | function |
| checkedkey | function | pdftimestamp | function |
| checkedvalue | function | protectresources | boolean |
| circularshade | function | reference | function |
| cmykcode | function | registerannotation | function |
| collectedresources | function | registerdocumentfinalizer | function |
| color | function | registerpagefinalizer | function |
| colorspace | function | reserveannotation | function |
| colorspec | function | reserveobject | function |
| colorvalue | function | rgbcode | function |
| colorvalues | function | rotationcm | function |
| constant | function | shareobject | function |
| delayedobject | function | shareobjectreference | function |
| dictionary | function | spotcode | function |
| epdf | table | stream | function |
| F load | | string | function |
| finalizedocument | function | timestamp | function |
| finalizepage | function | toeight | function |
| 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 | endstripper | function |
| Carg | function | firstofsplit | function |
| Cb | function | frontstripper | function |
| Cc | function | is_lpeg | function |
| Cf | function | keeper | function |
| Cg | function | locale | function |
| Cmt | function | match | function |
| Cp | function | oneof | function |
| Cs | function | patterns | data table |
| Ct | function | print | function |
| P | function | replacer | function |
| R | function | secondofsplit | function |
| S | function | span | function |
| UP | function | split | function |
| UR | function | splitat | function |
| US | function | splitter | function |
| V | function | stripper | function |
| anywhere | function | tsplitat | function |
| append | function | tsplitter | function |
| balancer | function | type | function |
| checkedsplit | function | utfchartabletopattern | function |
| count | function | version | function |
| counter | function | | |

ltn12 (extra lua)

| | | |
|------------------|---------|---------------------|
| BLOCKSIZE | number | F simplify |
| filter | table | F table |
| | F chain | source table |
| | 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 | messages | data table |
| bytedata | data table | name | table |
| bytdone | table | numbers | data table |
| collectgarbage | function | registercode | function |
| delay | function | registeredcodes | function |
| finalize | function | registerfinalizer | function |
| firstbytecode | number | registername | function |
| flush | function | setbytecode | function |
| flushdelayed | function | setluaname | function |
| getbytecode | function | startupfile | string |
| getluaname | function | version | string |
| lastbytecode | number | | |

luatex (context)

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

lxml (context)

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

math (basic lua)

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

mathematics (context)

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

md5 (extra lua)

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

metapost (context)

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

mime (extra lua)

b64 function
decode function
decodet table
 F base64
 F quoted-printable
dot function
encode function
encodet table
 F base64
 F quoted-printable
eol function
normalize function

qp function
qpwrp function
stuff function
unb64 function
unqp function
wrap function
wrapt table
 F base64
 F default
 F quoted-printable
 F text
wrp function

mplib (extra tex)

| | | | |
|---------------|----------|-----------------|----------|
| fields | function | pen_info | function |
| new | function | version | function |

noads (context)

handlers table

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

F variants

process function
processors table

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

node (basic tex)

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

nodes (context)

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

| | | | |
|-------------------------|----------|---------------------|------------|
| F pdfdestination | | setattributes | function |
| F pdfdirect | | setunsetattributes | function |
| F pdfliteral | | shifts | table |
| F pdfrestore | | D data | |
| F pdfsave | | F define | |
| F pdfsetmatrix | | F enable | |
| F penalty | | F handler | |
| F register | | show | function |
| F rightmarginkern | | showboxes | function |
| F rightskip | | showcodes | function |
| F rule | | showlist | function |
| F shrink | | showsimplelist | function |
| F special | | skipcodes | data table |
| F stretch | | somepenalty | function |
| F temp | | somespace | function |
| F textdir | | stripping | table |
| F usage | | 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 | | tosequence | function |
| remove | function | totable | function |
| repackhlist | function | toutf | function |
| replace | function | tracers | table |
| report | function | T characters | |
| rightmarginwidth | function | F collect | |
| rules | table | F equal | |
| D data | | F indices | |
| F define | | F start | |
| F enable | | F string | |
| F handler | | F unicodes | |
| save | function | T colors | |
| serialize | function | F reset | |
| serializebox | function | F set | |
| setattribute | function | F fontchar | |

| | | |
|------------|-----------------|------------|
| F start | F reset | |
| T steppers | F start | |
| F check | F stop | |
| F codes | F stop | |
| F features | unsetattribute | function |
| F glyphs | unsetattributes | function |
| F message | visualizebox | function |
| F messages | whatcodes | data table |
| F nofsteps | whatsitcodes | data table |
| F register | writable_spec | function |

number (context)

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

os (basic lua)

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

package (basic lua)

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

pdf (basic tex)

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

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

physics (context)

patterns table

profiler (extra lua)

pause function
resume function

start function
stop function

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 | |
| dowithvariable | function | D lists | |
| env | function | B loadererror | |
| executers | table | D order | |
| F check | | B remember | |
| F execute | | B renewcache | |
| F finalize | | B renewtree | |
| F register | | B savelists | |
| expandbraces | function | D setups | |
| expandedpathfromlist | function | D specification | |
| expandedpathlist | function | D variables | |
| expandedpathlistfromvariable | function | jobs | table |
| expandpath | function | F currentcomponent | |
| expandpathfromvariable | function | F justacomponent | |
| expansion | function | D processors | |
| extendtexmfvariable | function | F usefile | |
| find_file | function | joinpath | function |
| find_files | function | load | function |
| findbinfile | function | loadbinfile | function |
| findctxfile | function | loaders | data table |
| finders | data table | loadlualib | function |
| findfile | function | loadtexfile | function |
| findfiles | function | loadtime | function |
| findgivenfile | function | locateformat | function |
| findgivenfiles | function | locators | data table |
| findpath | function | luacnfname | string |
| findtexfile | function | luacnfspec | string |
| findwildcardfile | function | luacnfstate | string |
| findwildcardfiles | function | macros | table |
| formatofsuffix | function | F convertfile | |
| formatofvariable | function | F decodecomment | |
| formats | data table | F enablecomment | |
| generators | data table | F encodecomment | |
| getenv | function | F preprocessed | |

| | | | |
|-------------------|------------|--------------------------|------------|
| F processmkvi | | F md5 | |
| F version | | F none | |
| maxreadlevel | number | F strip | |
| methodhandler | function | F cleannname | |
| newinstance | function | F install | |
| openbinfile | function | N threshold | |
| openers | data table | setenv | function |
| openfile | function | setinstance | function |
| opentextfile | function | settrace | function |
| ownpath | string | showpath | function |
| prefixes | data table | simplescanfiles | function |
| prependhash | function | splitconfigurationpath | function |
| registerextrapath | function | splitexpansions | function |
| registerfile | function | splitmethod | function |
| registerfilehash | function | splitpath | function |
| registerintrees | function | suffixes | data table |
| registermethod | function | suffixmap | data table |
| registerzipfile | function | suffixofformat | function |
| relations | data table | texdatablob | function |
| renew | function | unexpandedpath | function |
| repath | function | unexpandedpathlist | function |
| reset | function | unresolve | function |
| resetextrapath | function | updaterelations | function |
| resetresolve | function | updatescript | function |
| resolve | function | usezipfile | function |
| savers | data table | validatedpath | function |
| scandata | function | variable | function |
| scanfiles | function | variableofformat | function |
| schemes | table | variableofformatorsuffix | function |
| T cleaners | | wildcardpattern | function |

scripts (context)

| | | | |
|------------------|------------|------------------|------------|
| categorytonumber | data table | numbertocategory | data table |
| colors | data table | numbertodataset | data table |
| handlers | data table | preprocess | function |
| hash | table | reset | function |
| installdataset | function | set | function |
| installmethod | function | | |

set (context)

| | | | |
|----------|----------|----------|----------|
| contains | function | tonumber | function |
| create | function | totable | function |
| tolist | function | | |

short_operators (context)

| | |
|-----------------------|-----------------------|
| <code>* string</code> | <code>/ string</code> |
| <code>. string</code> | <code>: string</code> |

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 |
| c | string | y | string |
| d | string | | |

short_units (context)

| | | | |
|-------|--------|----|--------|
| A | string | hz | string |
| Hz | string | l | string |
| Litre | string | m | string |
| Metre | string | n | string |
| W | string | s | string |
| g | string | u | string |
| h | 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 DOMAIN |
| dns | table | | N PORT |
| | F gethostname | | S SERVER |
| | F tohostname | | N TIMEOUT |
| | F toip | | S ZONE |
| ftp | table | | F message |
| | S PASSWORD | | F open |
| | N PORT | | F send |
| | N TIMEOUT | | source function |
| | S USER | | sourcet table |
| | F command | | F by-length |
| | F get | | F default |
| | F open | | F http-chunked |
| | F put | | F until-closed |
| gettime | function | | tcp function |
| http | table | | tp table |
| | N PORT | | N TIMEOUT |
| | N TIMEOUT | | F connect |
| | S USERAGENT | | try function |
| | F open | | udp function |
| | F request | | url table |
| newtry | function | | F absolute |
| protect | function | | F build |
| select | function | | F build_path |
| sink | function | | F escape |
| sinkt | table | | F parse |
| | F close-when-done | | F parse_path |
| | F default | | F unescape |
| | F http-chunked | | |

sorters (context)

| | | | |
|---------------------|-------|---------------------|------------|
| comparers | table | definitions | data table |
| F basic | | firstofsplit | function |
| constants | table | setlanguage | function |
| S defaultdigits | | sort | function |
| S defaultlanguage | | splitters | table |
| S defaultmethod | | F utf | |
| N digitmaximum | | strip | function |
| N digitsoffset | | tracers | data table |
| N ignoredoffset | | update | function |
| N replacementoffset | | | |

statistics (context)

| | |
|-----------------------------|----------|
| <code>checkfmtstatus</code> | function |
| <code>elapsedindeed</code> | function |
| <code>elapsedseconds</code> | function |
| <code>elapsedtime</code> | function |
| <code>enable</code> | boolean |
| <code>formatruntime</code> | function |
| <code>hastiming</code> | function |
| <code>memused</code> | function |
| <code>register</code> | function |
| <code>reportstorage</code> | function |

| | |
|----------------------------|----------|
| <code>resettiming</code> | function |
| <code>runtime</code> | function |
| <code>savefmtstatus</code> | function |
| <code>show</code> | function |
| <code>showjobstat</code> | function |
| <code>starttiming</code> | function |
| <code>stoptiming</code> | function |
| <code>threshold</code> | number |
| <code>timed</code> | function |

status (basic tex)

list function

storage (context)

| | | | |
|------------|----------|------------|------------|
| allocate | function | min | number |
| data | table | nofmodules | number |
| evaluators | table | noftables | number |
| mark | function | register | function |
| marked | function | shared | data table |
| max | number | | |

streams (context)

| | |
|-------------------------|----------|
| <code>collect</code> | function |
| <code>disable</code> | function |
| <code>enable</code> | function |
| <code>flush</code> | function |
| <code>initialize</code> | function |

| | |
|--------------------------|----------|
| <code>push</code> | function |
| <code>start</code> | function |
| <code>stop</code> | function |
| <code>synchronize</code> | function |

string (basic lua)

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

structures (context)

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

| | | | |
|----------------------------|-------|---------------------|-------|
| F page | | F listindex | |
| F popnesting | | F number | |
| F prefix | | F ordered | |
| F prefixednumber | | F postpone | |
| F prefixedpage | | F resetpostponed | |
| F process | | F restore | |
| F push | | F save | |
| D pushed | | F setstate | |
| F pushnesting | | F setsymbolpage | |
| F realpage | | D states | |
| T result | | F store | |
| F savednumber | | F title | |
| F savedprefixednumber | | pages | table |
| F savedtitle | | F analyze | |
| F sectionnumber | | D collected | |
| F size | | F is_odd | |
| F title | | F number | |
| D tobesaved | | F save | |
| F userdata | | D tobesaved | |
| F uservalue | | processors | table |
| marks | 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 | | F tostring | |
| F fetchtwomarks | | references | 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 | |
| T tracers | | F currentmetadata | |
| F showtable | | F currentorder | |
| notes | table | D currentset | |
| F checkpagechange | | F define | |
| F define | | D defined | |
| F deltapage | | D derived | |
| F doifcontent | | F doifelse | |
| F doifonsamepageasprevious | | F enableinteraction | |
| F flush | | F enhance | |
| F flushpostponed | | D executers | |
| F get | | F expandcurrent | |
| F getn | | F export | |
| F getnumberpage | | T files | |
| F getstate | | T data | |
| F getsymbolpage | | F define | |
| F internal | | F get | |
| F internalid | | F filter | |

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

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

table (basic lua)

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

tex (basic tex)

| | | | |
|-------------------------|------------|------------------------|------------|
| attribute | table | 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 | prtcacodes | number |
| delcode | table | romannumeral | function |
| dimen | table | round | function |
| 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 | vrbcacodes | number |
| notcatcodes | number | write | function |
| number | function | | |

texconfig (basic tex)

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

texio (basic tex)

```
write      function  
write_nl  function
```

token (basic tex)

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

tokens (context)

| | | | |
|----------------|-------|----------------|----------|
| bgroup | table | T show_methods | |
| collectors | table | F a | |
| T data | | F b | |
| F defaultwords | | F c | |
| F dowithwords | | F showtoken | |
| F flush | | F test | |
| F handle | | F trace | |
| F install | | egroup | table |
| F register | | hbox | table |
| T registered | | letter | function |
| T remapper | | letters | function |
| F convert | | other | function |
| T data | | vbox | table |
| F store | | vtop | table |
| F show | | | |

tracers (context)

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

trackers (context)

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

typesetters (context)

alignments table

F handler

F set

breakpoints table

N attribute

F enable

F handler

D mapping

T methods

F set

F setreplacement

cases table

T actions

F handler

F set

characters table

F handler

cleaners table

F handler

F set

digits table

T actions

N attribute

F handler

F set

directions table

F handler

F process

F set

hpack function

italics table

F forcevariant

F handler

F reset

F set

kerns table

D factors

F handler

B keepligature

B keptogether

D mapping

F set

margins table

F finalhandler

F globalhandler

F ha

F localhandler

F save

paragraphs table

N attribute

T droppers

F freeze

F set

F handler

F set

spacings table

N attribute

F handler

D mapping

F set

F setup

tonodes function

vpack function

unicode (extra lua)

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

url (context)

| | | | |
|------------------------|----------|------------------------|----------|
| <code>addscheme</code> | function | <code>hasscheme</code> | function |
| <code>construct</code> | function | <code>query</code> | function |
| <code>filename</code> | function | <code>split</code> | function |
| <code>hashed</code> | function | | |

utilities (context)

| | | | |
|---------------------------------|----------|---------------------|-----------------|
| debugger | table | | F appendgroup |
| F disable | | | F autocompile |
| F enable | | | F 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 | | setters | 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_to_array | | F show | |
| F arguments_to_table | | storage | table |
| F array_to_string | | F allocate | |
| F getparameters | | F checked | |
| F hash_to_string | | F mark | |
| F listitem | | F marked | |
| F make_settings_to_hash_pattern | | F setinitializer | |
| T patterns | | F sparse | |
| U settings_to_array | | strings | table |
| U settings_to_hash_a | | F collapseCrLf | |
| U settings_to_hash_b | | F newrepeater | |
| U settings_to_hash_c | | F striplong | |
| F settings_to_array | | F tabtospace | |
| F settings_to_hash | | tables | table |
| F settings_to_hash_strict | | F accesstable | |
| F settings_to_hash_tolerant | | F definetable | |
| F settings_to_set | | F encapsulate | |
| F simple_hash_to_string | | F insertaftervalue | |
| report | function | F insertbeforevalue | |
| sequencers | table | F migratetable | |
| F appendaction | | F removevalue | |

visualizers (context)

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

xml (context)

| | | | |
|---------------------------|------------|--------------------|----------|
| addentitiesdoctype | function | erase | function |
| after | function | escaped | function |
| all | function | expressions | table |
| applylpath | function | F boolean | |
| assign | function | F child | |
| attribute | function | F contains | |
| before | function | F count | |
| body | function | F error | |
| builtinentities | table | F find | |
| B amp | | F lower | |
| B apos | | F name | |
| B gt | | F number | |
| B lt | | F oneof | |
| B quot | | F print | |
| cdatatotext | function | F quit | |
| checkbom | function | F tag | |
| checkerror | function | F text | |
| checknamespace | function | F undefined | |
| checkns | function | F upper | |
| cleansed | function | fillin | function |
| collect | function | filter | function |
| collect_elements | function | finalizers | table |
| collect_tags | function | T tex | |
| collect_texts | function | F all | |
| collected | function | F attribute | |
| collecttexts | function | F bibtexconcat | |
| content | function | F bibtexshort | |
| convert | function | F chainattribute | |
| copy | function | F command | |
| count | function | F concat | |
| cprint | function | F concatrange | |
| css | table | F context | |
| F colorspecification | | F count | |
| F fontspecification | | F ctxttext | |
| F padding | | F default | |
| defaulthandlers | table | F first | |
| D file | | F function | |
| D parsedxml | | F index | |
| D string | | F last | |
| D tex | | F lettered | |
| D texline | | F lower | |
| D texspace | | 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 | |

| | | | |
|-----------------------|----------|----------------------|----------|
| F all | | newhandlers | function |
| F att | | nodesettostring | function |
| F attribute | | originalload | function |
| F attributes | | package | function |
| F chainattribute | | parent | function |
| F count | | parsedentitylpeg | userdata |
| F default | | pihandlers | table |
| F elements | | placeholders | table |
| F empty | | F unknown_any_entity | |
| F first | | F unknown_dec_entity | |
| F function | | F unknown_hex_entity | |
| F index | | position | function |
| F last | | privatecodes | table |
| F match | | privatetoken | function |
| F name | | process | function |
| F position | | process_attributes | function |
| F reverse | | process_elements | function |
| F table | | processattributes | function |
| F tag | | profiled | table |
| F tags | | raw | function |
| F text | | registerentity | function |
| F texts | | registers | function |
| first | function | remap_name | function |
| found | function | remap_namespace | function |
| functions | table | remap_tag | function |
| getbuffer | function | remapname | function |
| gethandlers | function | remapnamespace | function |
| gethandlersfunction | function | remaptag | function |
| include | function | renamespace | function |
| index | function | replace | function |
| inheritedconvert | function | replace_element | function |
| inject | function | resolvens | function |
| inject_element | function | root | function |
| inject_element_after | function | save | function |
| inject_element_before | function | selection | function |
| injectafter | function | serialize | function |
| injectbefore | function | sethandlersfunction | function |
| insert | function | setproperty | function |
| insert_element | function | settings | function |
| insert_element_after | function | specialhandler | table |
| insert_element_before | function | sprint | function |
| insertafter | function | string | function |
| insertbefore | function | strip | function |
| inspect | function | strip_whitespace | function |
| is_valid | function | stripelement | function |
| last | function | stripleadingspaces | function |
| load | function | table | function |
| lpath | function | text | function |
| lpathcached | function | textonly | function |
| lpathcalls | function | tocdata | function |
| lshow | function | toelement | function |
| makestandalone | function | tostring | function |
| match | function | toxml | function |
| name | function | tprint | function |

| | | | |
|---------------------------|-----------------------|---------------------------|-----------------------|
| <code>traverse</code> | <code>function</code> | <code>withelements</code> | <code>function</code> |
| <code>unescaped</code> | <code>function</code> | <code>wrap</code> | <code>function</code> |
| <code>unprivatized</code> | <code>function</code> | <code>xmlns</code> | <code>table</code> |
| <code>withelement</code> | <code>function</code> | | |

xtables (context)

| | | | |
|---------------------------------------|-----------------------|--------------------------------|-----------------------|
| <code>cleanup</code> | <code>function</code> | <code>next_row</code> | <code>function</code> |
| <code>construct</code> | <code>function</code> | <code>reflow_height</code> | <code>function</code> |
| <code>create</code> | <code>function</code> | <code>reflow_width</code> | <code>function</code> |
| <code>flush</code> | <code>function</code> | <code>set_construct</code> | <code>function</code> |
| <code>initialize_construct</code> | <code>function</code> | <code>set_reflow_height</code> | <code>function</code> |
| <code>initialize_reflow_height</code> | <code>function</code> | <code>set_reflow_width</code> | <code>function</code> |
| <code>initialize_reflow_width</code> | <code>function</code> | | |

zip (extra lua)

| | | | |
|---------------------------|-----------------------|------------------------------|-----------------------|
| <code>archives</code> | <code>table</code> | <code>openarchive</code> | <code>function</code> |
| <code>close</code> | <code>function</code> | <code>openfile</code> | <code>function</code> |
| <code>closearchive</code> | <code>function</code> | <code>registeredfiles</code> | <code>table</code> |
| <code>open</code> | <code>function</code> | <code>type</code> | <code>function</code> |

zlib (extra lua)

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