MP attributes backends bit bit32 blobs boolean buffers builders caches callbacks catcodes characters chemistry commands containers context converters coroutine ctxrunner debug dir directives document documentdata environment epdf experiments figures file floats fontloader fonts functions global graphics gzip imm interactions interfaces io jit job languages layouts lfs libraries lmx logs lpdf lpeg ltn12 lua luatex lxml math mathematics mbox md5 metapost mime moduledata modules mp mplib noads mode nodes number oldtoken os package pagebuilders parametersets pdf pdfscanner physics profiler publications regimes resolvers sandbox scripts set socket sorters statistics **status** storage streams string structures table t thirddata tokens tracers trackers typesetters unicode url userdata utilities vf visualizers xml zip zlib

ConT_EXt MkIV

global (alias: _G)

| MP | table | file | table |
|----------------|----------|--------------|----------|
| LUAVERSION | number | floats | table |
| _MAJORVERSION | number | font | table |
| MINORVERSION | number | fontloader | table |
| arg | table | fonts | table |
| assert | function | frozen | boolean |
| attributes | table | functions | table |
| backends | table | gcinfo | function |
| beginpage | function | getfenv | function |
| bit | table | getmetatable | function |
| bit32 | table | getpos | function |
| blobs | table | getvpos | function |
| boolean | table | global | table |
| buffers | table | graphics | table |
| builders | table | gzip | table |
| caches | table | img | table |
| callback | table | inspect | function |
| callbacks | table | interactions | table |
| catcodes | table | interfaces | table |
| characters | table | io | table |
| chemistry | table | ipairs | function |
| collectgarbage | function | jit | table |
| commands | table | job | table |
| containers | table | lang | table |
| context | function | languages | table |
| converters | table | layouts | table |
| coroutine | table | lfs | table |
| ctxrunner | table | libraries | table |
| debug | table | lmx | table |
| dimen | function | load | function |
| dir | table | loadfile | function |
| directives | table | loadstring | function |
| document | table | logs | table |
| documentdata | table | lpdf | table |
| dofile | function | lpeg | table |
| endpage | function | ltn12 | table |
| environment | table | lua | table |
| epdf | table | luatex | table |
| error | function | lxml | table |
| experiments | table | math | table |
| figures | table | mathematics | table |

table mbox md5 table metapost table table mime module function moduledata table modules table table am mplib table newproxy function function next table noads node table nodes table number table oldtoken table function optionalrequire os table outputpagestree function package table pagebuilders table pairs function parametersets table function pcall pdf table pdfscanner table physics table function print table profiler publications table function rawequal function rawget rawlen function rawset function regimes table require function resolvers table resolvestoredfunction function sandbox table scripts table select function table set setfenv function setinspector function

setmetatable socket sorters statistics status storage streams string structures swiglib table tex texconfig texio thirddata toboolean tokens tonumber tostrina tracers trackers type typesetters unicode unpack url userdata utf utilities νf visualizers xml xpcall zip zlib

function table table table table table table table table function table table table table table function table function function table table function table table function table table table table table table table function table table

attributes (context)

| colorintents table | [montions | |
|---------------------------|-----------------|------------|
| | F mpoptions | |
| N attribute | U none | |
| D data | F popset | |
| F enable | F processcoloro | omponents |
| F handler | F pushset | |
| F register | F register | |
| D registered | D registered | |
| colors table | F registerspoto | olor |
| N attribute | F rgb | |
| F cmyk | F rgbtocmyk | |
| F cmyktogray | F rgbtogray | |
| F cmyktorgb | F rgbtohsv | |
| F colorcomponents | N selector | |
| B couple | F setlist | |
| D data | F setmodel | |
| N default | F setpagecolorm | odel |
| F defineintermediatecolor | D sets | |
| F definemultitonecolor | F spec | |
| F defineprocesscolor | F spot | |
| F definesimplegray | F spotcolorname | |
| F definespotcolor | F spotcolorpare | |
| F definetransparency | F spotcolorvalu | e |
| F enable | B supported | |
| F filter | F transparencyc | omponents |
| F forcedmodel | B triggering | |
| F forcesupport | F usecolors | |
| F formatcolor | F value | |
| F formatgray | D values | |
| F getpagecolormodel | B weightgray | |
| F gray | define | function |
| F graytohsv | effects | table |
| F handler | N attribute | |
| F hsvtogray | D data | |
| F hsvtorgb | F enable | |
| F iccprofile | F handler | |
| F isblack | F register | |
| N main | D registered | |
| S model | D values | |
| D models | handlers | table |
| F mpcolor | list | data table |
| F mpnamedcolor | names | data table |

negatives table N attribute D data F enable F handler F register D registered F set numbers data table ofnode function private function public function restore function save function function showcurrent states table F disabletriggering F enabletriggering F finalize F initialize F process F selective F stacked F stacker function system transparencies table N attribute D data F enable F forcesupport F handler U none F register D registered B supported B triggering F value D values unsetvalue number viewerlayers table N attribute F cleanup

> D data F define

F definedlayoutcomponent F enable F forcesupport F handler B hasorder D listwise F register D registered F resolve_begin F resolve end F resolve reset F resolve step D scopes F setfeatures F start F stop B supported D values

backends (context)

F hasmatrix

codeinjections table F insertrenderingwindow current strina F mergebookmarks defaults table F mergereferences T codeiniections F mergeviewerlavers F aethpos F prerollreference F getmatrix F presetsymbol F getpos F presetsymbollist F getvpos F processrendering F hasmatrix F registerdocumentcloseaction T nodeinjections F registerdocumentopenaction T registrations F registeredsymbol D tables F registerpagecloseaction install function F registerpageopenaction nodeinjections table F registersymbol F restore F setfieldcalculationset F save F setfigurealternative F transform F setfigurecolorspace nothing function F setfiguremask pdf table F setformat T codeinjections F setformsmethod F addbookmarks F setpagetransition F attachmentid F setupcanvas F clonefield F setupidentity F definefield F setxmpfile F definefieldset F startlayer F defineviewerlayer F stoplayer F embedfile F supportedformats F enabletags F unicodetoactualtext F exportformdata F useviewerlaver F getbookmarks F validfield F validfieldcategory F getdefaultfieldvalue F validfieldset F getfieldcategory F getfieldset S comment F getformatoption T nodeinjections F gethpos F addtags F getmatrix F annotation F getoutputfilename F attachfile F changestackedlayer F getpos F cmykcolor F getpreviewfigure F getvpos F comment

F destination

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

registrations table tables table

bit (context)

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

bit32 (basic lua)

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

blobs (context)

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

boolean (context)

tocontext function
tonumber function

buffers (context)

append function assign function collectcontent function function erase function exists getcontent function getlines function loadcontent function parallel table

F define

F hassomecontent

F next
F place
F reset
F save

prepend function
raw function
undent function

builders (context)

kernel table profiling table F hyphenation F add F kerning F distance F ligaturing F fixedprofile F mlist_to_hlist F aet T originals F list F hyphenate F pagehandler F kerning F profilebox F ligaturing F set paragraphs table vspacing table T constructors F analyze N attribute D categories F define F collapsevbox F disable T data F enable D map F handler D skip T methods D snapmethods F basic F definesnapmethod F default B fixed F hpack F pagehandler F oneline F resetprevdepth D names F setmap D numbers F setskip F set F snapbox F start F tocategories F stop F tocategory T expansion F vboxhandler F trace F keeptogether F registertogether T solutions T splitters F define F optimize T registered F reset F set F split F start F stop F tag

caches (context)

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

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

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

catcodes (context)

names data table
numbers data table
register function

characters (context)

| activeoffset | number | lhash | data table |
|----------------|------------|------------|------------|
| adobename | function | linebreaks | table |
| bidi | data table | S ai | |
| blockrange | function | S al | |
| blocks | data table | S b2 | |
| casemap | table | S ba | |
| categories | data table | S bb | |
| category | function | S bk | |
| categorytags | data table | S cb | |
| collapsed | data table | S cj | |
| combined | data table | S cl | |
| contextname | function | S cm | |
| csletters | data table | S cp | |
| data | data table | S cr | |
| decomposed | data table | S ex | |
| description | function | S gl | |
| descriptions | data table | S h2 | |
| detailtags | data table | S h3 | |
| directions | table | S hl | |
| enccodes | data table | S hy | |
| entities | data table | S id | |
| fallbacks | data table | S in | |
| filters | data table | S is | |
| fractions | table | S jl | |
| fromnumber | function | S jt | |
| fschars | data table | S jv | |
| fscodes | data table | S lf | |
| getrange | function | S nl | |
| graphemes | data table | S ns | |
| hangul | data table | S nu | |
| initialize | function | S op | |
| is_character | data table | S po | |
| is_command | data table | S pr | |
| is_letter | data table | S qu | |
| is_mark | data table | S ri | |
| is_punctuation | data table | S sa | |
| is_spacing | data table | S sg | |
| lcchars | data table | S sp | |
| lccode | function | S sy | |
| lccodes | data table | S wj | |
| lettered | function | S xx | |

| S | Z٧ |
|---|----|
| | |

function lower math table mathpairs data table mirrors table otfscripts data table data table ranges function registerentities remap hangul syllabe function setactivecatcodes function setlettercatcodes function shape function function shaped shash data table shchars data table data table shcodes function showstring **specialchars** data table specials data table

T char

splits

subscripts
superscripts
synonyms
tex
table
table
table

table

D accentmapping

D commandmapping

 ${\sf F} \ {\sf defineaccents}$

F safechar F toutf

F toutfpattern

table textclasses tonumber function ucchars data table uccode function uccodes data table uhash data table unicodechar function function upper

chemistry (context)

component function define function definitions data table format string inlinechemical function instance string method string molecule function moleculeparser userdata function start stop function structures number undefine function

containers (context)

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

converters (context)

| A | function | lower | function |
|--------------------|----------|-------------------|------------|
| AK | function | maxchrs | function |
| Alphabetic | function | minute | function |
| Character | function | month | function |
| Characters | function | nicenumber | function |
| Characters:es | function | nofdays | function |
| I | function | number | function |
| KA | function | numbers | function |
| KR | function | octnumber | function |
| R | function | octstringtonumber | function |
| RK | function | ordinal | function |
| Romannumerals | function | r | function |
| Sloviannumerals | function | rawcharacter | function |
| Spanishnumerals | function | romannumerals | function |
| Word | function | second | function |
| Words | function | sequences | data table |
| a | function | sloviannumerals | function |
| abjadnodotnumerals | function | spanishnumerals | function |
| abjadnumerals | function | textime | function |
| alphabetic | function | toabjad | function |
| character | function | tochinese | function |
| characters | function | toroman | function |
| characters:es | function | uchexnumber | function |
| chineseallnumerals | function | uchexnumbers | function |
| chinesecapnumerals | function | upper | function |
| chinesenumerals | function | verbose | table |
| chr | function | D data | |
| chrs | function | F translate | |
| cn | function | weekday | function |
| cn-a | function | word | function |
| cn-c | function | words | function |
| convert | function | year | function |
| decimals | function | | |
| define | function | | |
| hexstringtonumber | function | | |
| hour | function | | |
| i | function | | |
| isleapyear | function | | |
| lchexnumber | function | | |
| lchexnumbers | function | | |
| leapyear | function | | |

coroutine (basic lua)

```
create function
resume function
running function
status function
wrap function
yield function
```

ctxrunner (context)

load function
preparedfile function
prepfiles data table
resolve function

debug (basic lua)

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

dir (context)

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

directives (context)

data data table default function disable function done table enable function list function string name register function report function reset function show function value function

document (context)

arguments data table
files table
getargument function
getfilename function
options table

T commandline

D environments

D modes

D modules

T ctxfile

D environments

D modes

D modules

setargument function setcommandline function setdefaultargument function setenvironments function setfilename function setfilenames function setmodes function setmodules function variables data table

environment (context)

function argument data table arguments data table basicengines currentrun number default texmfcnf strina definefilefallback function definefilesvnonvm function data table engineflags filename string files table filesvnonvms data table forcedruns number getargument function homedir strina initex boolean function *initializearguments* initializefilenames function inputfilebarename string inputfilename string inputfilesuffix string **jobfilename** string iobfilesuffix string kindofrun number 1 oadexamodes function loadluafile function luafile function luafilechunk function maxnofruns number data table originalarguments outputfilename string ownbin string ownmain string ownname string ownpath string boolean prerollrun data table rawarguments reconstructcommandline function relativepath function setargument function **splitarguments** function suffix string

texfile
texmfos
texos
texroot
truefilename
useluamodule
usemodules
validengines

function string string string function function function data table

epdf (extra tex)

Array function
Attribute function
AttributeOwner_Type function
Attribute_Type function
Dict function
Object function
PDFRectangle function
StructElement_Type function

openMemStream
type function

experiments (context)

```
data
         data table
default
         function
disable
         function
enable
         function
list
         function
name
         string
register function
report
         function
reset
         function
         function
show
value
       function
```

figures (context)

applvratio badname bases bitmapimage boxnumber cachepaths check checkers converters current defaultdepth defaultheight defaultsearch defaultwidth done dummy existers exists formats found get getrealpage auess hash identifiers identify images F boxes

function function data table function number data table function data table data table function number number hool ean number function function data table function data table data table function function function function data table function table

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

F totable

F types

F copy F immediatewrite F keys F new F node F ofindex F package F print F scan F serialize

F check F checksize F clone

file (basic lua)

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

floats (context)

| analysemethod | function |
|------------------|----------|
| checkedpagefloat | function |
| collect | function |
| consult | function |
| flush | function |
| getvariable | function |
| hasstacked | function |
| nofstacked | function |
| рор | function |
| push | function |
| resave | function |
| save | function |
| stacked | function |

font (basic tex)

current function define function each function fonts table frozen function

getfont overloaded function

id function function max nextid function read tfm function read_vf function

setfont overloaded function

fontloader (extra tex)

apply_afmfile function
apply_featurefile function
close function
fields function
fullinfo function

to_table function
totable function

fonts (context)

| analyzers | table | F process |
|-------------------|-------|---------------------------|
| T features | | F registermain |
| N blwf | | F report |
| N fina | | F reset |
| N half | | T vectors |
| N init | | constructors table |
| N isol | | F addcoreunicodes |
| N medi | | F aftercopyingcharacters |
| N pref | | F applymanipulators |
| N pstf | | F assignmathparameters |
| N rphf | | B autocleanup |
| D initializers | | F beforecopyingcharacters |
| D methods | | D cache |
| F setstate | | B cacheintex |
| T states | | F calculatescale |
| N blwf | | F checkedfeatures |
| N fina | | F checkedfilename |
| N half | | F checkvirtualids |
| N init | | F cleanuptable |
| N isol | | F collectprocessors |
| N mark | | F currentfonthasfeature |
| N medi | | D designsizes |
| N pref | | D dontembed |
| N pstf | | F enhanceparameters |
| N rest | | N factor |
| N rphf | | F finalize |
| B useunicodemarks | | F getfeatureaction |
| checkers | table | F hashfeatures |
| F getmissing | | F hashinstance |
| F missing | | T hashmethods |
| F placeholder | | F normal |
| cid | table | F virtual |
| F getmap | | F initializefeatures |
| F loadfile | | T keys |
| collections | table | T character |
| F checkenabled | | S depth |
| F clonevector | | S height |
| F define | | S italic |
| T definitions | | S width |
| F found | | T description |
| F prepare | | T boundingbox |

| S depth | S xheight | |
|--------------------------|--------------------|----------|
| S height | T properties | |
| S width | S autoitalicamo | ount |
| T parameters | T cidinfo | |
| S ascender | S embedding | |
| S descender | S encodingbytes | 5 |
| S designsize | S filename | |
| T expansion | S finalized | |
| S auto | S fontname | |
| S shrink | S format | |
| S step | S fullname | |
| S stretch | S hasitalics | |
| S extendfactor | S hasmath | |
| S factor | S mathitalics | |
| S hfactor | S mode | |
| S mathsize | S name | |
| T protrusion | S noglyphnames | |
| S auto | S nostackmath | |
| S quad | S psname | |
| S scaledpoints | S textitalics | |
| S scriptpercentage | S virtualized | |
| S scriptscriptpercentage | D loadedfonts | |
| S size | S namemode | |
| S slantfactor | F newfeatures | |
| S slantperpoint | F newhandler | |
| T spacing | N noffontsloaded | |
| S extra | N nofsharedfonts | |
| S shrink | N nofsharedhashes | |
| S stretch | N nofsharedvectors | |
| S width | N privateoffset | |
| T synonyms | F readanddefine | |
| S em | F registerfeature | |
| S ex | B resolvevirtualto | 0 |
| S extra_space | F scale | |
| S extraspace | F scaled | |
| S slant | F setfactor | |
| S space | F setname | |
| S space_shrink | B sharefonts | |
| S space_stretch | F trytosharefont | |
| S spaceshrink | N version | |
| S spacestretch | current | function |
| S x_height | currentid | function |
| S units | definers | table |
| S vfactor | F addlookup | |
| | | |

| F analysis | N Engunillia |
|--|---|
| F analyze | N Encyrillic |
| F applypostprocessors F checkedmode | N Ercyrillic |
| | N Ereversedcyrillic |
| F checkedscript | N Escyrillic |
| F current | N Fitacyrillic |
| S defaultlookup | N Gcedilla |
| F define | N Gdot |
| F getspecification | N Gecyrillic |
| F internal | N Gheupturncyrillic |
| Floadfont | N Gjecyrillic |
| F makespecification | N Hardsigncyrillic |
| T methods | N IAcyrillic |
| F install | N IUcyrillic |
| D variants | N Icyrillic |
| F read | N Idot |
| F register | N Iecyrillic |
| F registered | N Iicyrillic |
| F registersplit | N Iishortcyrillic |
| F resetnullfont | N Iocyrillic |
| F resolve | N Izhitsacyrillic |
| T resolvers | N Jecyrillic |
| F file | N Kacyrillic |
| F name | N Kcedilla |
| | |
| F spec | N Khacyrillic |
| F spec definetypeface function | N Khacyrillic N Kjecyrillic |
| | |
| definetypeface function | N Kjecyrillic |
| definetypeface function encodings table | N Kjecyrillic N Lcedilla |
| <pre>definetypeface function encodings table T agl</pre> | N Kjecyrillic N Lcedilla N Ljecyrillic |
| <pre>definetypeface function encodings table T agl D ctxcodes</pre> | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla |
| definetypeface function encodings table T agl D ctxcodes D extras | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic |
| definetypeface function encodings table T agl D ctxcodes D extras D names | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic |
| definetypeface function encodings table T agl D ctxcodes D extras D names T synonyms | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute |
| definetypeface function table T agl D ctxcodes D extras D names T synonyms N Acyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm |
| definetypeface encodings table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic |
| definetypeface encodings table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic N Cdot | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic |
| definetypeface function table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic N Cdot N Checyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic N Rcedilla N Shacyrillic |
| definetypeface encodings table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic N Cdot N Checyrillic N Decyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic N Rcedilla N Shacyrillic |
| definetypeface encodings table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic N Cdot N Checyrillic N Decyrillic N Djecyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic N Rcedilla N Shacyrillic N Softsigncyrillic |
| definetypeface encodings table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic N Cdot N Checyrillic N Decyrillic N Decyrillic N Decyrillic N Decyrillic N Decyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic N Rcedilla N Shacyrillic N Softsigncyrillic |
| definetypeface function encodings table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic N Cdot N Checyrillic N Decyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic N Rcedilla N Shacyrillic N Softsigncyrillic N Tcedilla N Tecyrillic |
| definetypeface encodings table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic N Checyrillic N Decyrillic N Decyrillic N Decyrillic N Dzecyrillic N Dzecyrillic N Dzecyrillic N Dzecyrillic N Dzecyrillic N Dzecyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic N Rcedilla N Shacyrillic N Shchacyrillic N Softsigncyrillic N Tcedilla N Tecyrillic |
| definetypeface encodings table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic N Cdot N Checyrillic N Decyrillic N Djecyrillic N Dzecyrillic N Dzecyrillic N Dzhecyrillic N Ecyrillic N Ecyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic N Rcedilla N Shacyrillic N Shchacyrillic N Toedilla N Tecyrillic N Tecyrillic N Tecyrillic |
| definetypeface encodings table T agl D ctxcodes D extras D names T synonyms N Acyrillic N Becyrillic N Cdot N Checyrillic N Djecyrillic N Djecyrillic N Dzecyrillic N Dzhecyrillic N Edot N Efyrillic N Efcyrillic | N Kjecyrillic N Lcedilla N Ljecyrillic N Ncedilla N Njecyrillic N Ocyrillic N Odblacute N Ohm N Pecyrillic N Rcedilla N Shacyrillic N Shchacyrillic N Toedilla N Tecyrillic N Tecyrillic N Tsecyrillic N Tshecyrillic |

| N Vecyrillic | N daletholam |
|--|---|
| N Yatcyrillic | N daletholamhebrew |
| N Yericyrillic | N daletpatah |
| N Yicyrillic | N daletpatahhebrew |
| N Zdot | N daletqamats |
| N Zecyrillic | N daletqamatshebrew |
| N Zhecyrillic | N daletqubuts |
| N acutecmb | N daletqubutshebrew |
| N acyrillic | N daletsegol |
| N afii00208 | N daletsegolhebrew |
| N afii08941 | N daletsheva |
| N afii57694 | N daletshevahebrew |
| N afii57695 | N dalettsere |
| N afii57700 | N dammaarabic |
| N afii57705 | N dammatanaltonearabic |
| N afii57723 | N dargahebrew |
| N alef | N dbllowline |
| N alefmaksurainitialarabic | N decimalseparatorarabic |
| N alefmaksuramedialarabic | N dialytikatonos |
| N approximatelyequal | N dotbelowcmb |
| N asteriskaltonearabic | N doubleyodpatah |
| N ayin | N doubleyodpatahhebrew |
| N bet | N edot |
| N betdagesh | N eightarabic |
| N blackdownpointingtriangle | N of abthrotohoomed |
| 3 3 3 3 | N eighthnotebeamed |
| N blackleftpointingpointer | N etnahtafoukhhebrew |
| | _ |
| N blackleftpointingpointer | N etnahtafoukhhebrew |
| N blackleftpointingpointer N blackrectangle | N etnahtafoukhhebrew N etnahtafoukhlefthebrew |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafhebrew |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse N cdot | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafhebrew N finalkafqamats |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse N cdot N compass | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafhebrew N finalkafqamats |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse N cdot N compass N dagesh | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafhebrew N finalkafqamats N finalkafqamats |
| N blackleftpointingpointer N blackrectangle N blacksightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse N cdot N compass N dagesh N dalet | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafhebrew N finalkafqamats N finalkafqamats N finalkafqamatshebrew N finalkafsheva N finalkafsheva |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse N cdot N compass N dagesh N dalet N daletdagesh | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafhebrew N finalkafqamats N finalkafqamats N finalkafqamatshebrew N finalkafsheva N finalmem N finalnun |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse N cdot N compass N dagesh N dalet N daletdagesh N dalethatafpatah | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafhebrew N finalkafqamats N finalkafqamats N finalkafqamatshebrew N finalkafsheva N finalmem N finalnun |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse N cdot N compass N dagesh N dalet N daletdagesh N dalethatafpatah | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafdebrew N finalkafqamats N finalkafqamats N finalkafqamatshebrew N finalkafsheva N finalmem N finalnun N finalpe N finaltsadi |
| N blackleftpointingpointer N blackrectangle N blackrightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse N cdot N compass N dagesh N dalet N dalethatafpatah N dalethatafpatahhebrew N dalethatafsegol | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafdebrew N finalkafqamats N finalkafqamats N finalkafqamatshebrew N finalkafsheva N finalmem N finalnun N finalpe N finaltsadi N fivearabic |
| N blackleftpointingpointer N blackrectangle N blacksightpointingpointer N blacksmilingface N blacksquare N blackuppointingtriangle N bulletinverse N cdot N compass N dagesh N dalet N daletdagesh N dalethatafpatah N dalethatafpatahhebrew N dalethatafsegol N dalethatafsegolhebrew | N etnahtafoukhhebrew N etnahtafoukhlefthebrew N etnahtahebrew N fathaarabic N finalkaf N finalkafdagesh N finalkafdebrew N finalkafqamats N finalkafqamatshebrew N finalkafsheva N finalmem N finalnun N finalpe N finaltsadi N fivearabic N forall |

N gdot

N dalethiriqhebrew

N aimel N holam N holam19 N gimeldagesh N gravecmb N holam26 N haaltonearabic N holam32 N hamzaarabic N holamhebrew N hamzadammaarabic N holamnarrowhebrew N hamzadammatanarabic N holamquarterhebrew N hamzafathaarabic N ilde N hamzafathatanarahic N integralbottom N hamzalowarabic N integraltop N hamzalowkasraarabic N kaf N hamzalowkasratanarabic N kafdagesh N hatafpatah N kashidaautoarabic N hatafpatah16 N kashidaautonosidebearingarabic N hatafpatah23 N kcedilla N hatafpatah2f N lamed N hatafpatahhebrew N lameddagesh N hatafpatahnarrowhebrew N lamedhebrew N hatafpatahquarterhebrew N lamedholam N hatafgamats N lamedholamdagesh N hatafgamats1b N lamedholamdageshhebrew N hatafqamats28 N laminitialarabic N lammeemjeeminitialarabic N hatafgamats34 N hatafgamatshebrew N lcedilla N hatafqamatsnarrowhebrew N logicalnotreversed N hatafqamatsquarterhebrew N mahapakhhebrew N hatafsegol N mem N hatafsegol17 N memdagesh N hatafsegol24 N merkhahebrew N hatafsegol30 N merkhakefulahebrew N hatafsegolhebrew N middot N hatafsegolnarrowhebrew N munahhebrew N hatafsegolquarterhebrew N nbspace N he N ncedilla N hedagesh N newshegelsign N hehfinalalttwoarabic N ninearabic N het N noonhehinitialarabic N hiriq N nun N hiriq14 N nundagesh N hiria21 N odblacute N hiriq2d N onearabic N hiriqhebrew N overscore N hirignarrowhebrew N patah

N patah11

N hirigguarterhebrew

N patahld N aubuts N qubuts18 N patah2a N qubuts25 N patahhebrew N patahnarrowhebrew N qubuts31 N patahquarterhebrew N gubutshebrew N pe N gubutsnarrowhebrew N qubutsquarterhebrew N pedagesh N quoteleftreversed N gamats N gamats10 N rafe N rcedilla N gamatsla N gamats1c N reharabic N gamats27 N resh N gamats29 N reshhatafpatah N gamats33 N reshhatafpatahhebrew N gamatsde N reshhatafsegol N gamatshebrew N reshhatafsegolhebrew N gamatsnarrowhebrew N reshhebrew N gamatsgatanhebrew N reshhiriq N qamatsqatannarrowhebrew N reshhirighebrew N gamatsgatanguarterhebrew N reshholam N gamatsgatanwidehebrew N reshholamhebrew N gamatsquarterhebrew N reshpatah N reshpatahhebrew N qof N gofdagesh N reshgamats N qofhatafpatah N reshgamatshebrew N qofhatafpatahhebrew N reshaubuts N qofhatafsegol N reshqubutshebrew N qofhatafsegolhebrew N reshsegol N qofhebrew N reshsegolhebrew N gofhirig N reshsheva N gofhirighebrew N reshshevahebrew N qofholam N reshtsere N qofholamhebrew N reviahebrew N samekh N gofpatah N gofpatahhebrew N samekhdagesh N qofqamats N segol N gofgamatshebrew N segol13 N gofgubuts N segol1f N qofqubutshebrew N segol2c N qofsegol N segolhebrew N qofsegolhebrew N segolnarrowhebrew N gofsheva N segolquarterhebrew N qofshevahebrew N sevenarabic N goftsere N sfthyphen

| N | shaddaarabic | N vavholam | |
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| | | | ah nau |
| | sheya | N yerahbenyomoh | ebrew |
| | sheva115 | N yod | |
| | | N yoddagesh | |
| | sheva15 | N zayin | |
| | sheva22 | N zayindagesh | |
| | sheva2e | N zdot | |
| | shevahebrew | N zeroarabic | |
| | shevanarrowhebrew | D unicodes | |
| | shevaquarterhebrew | D cache | |
| | shin | F is_known | |
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| | tavdages | getalternate | function |
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| | tcedilla | getkern | function |
| N | tchehinitialarabic | getmultiple | function |
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| N | tevirhebrew | T alternate | |
| N | thousandsseparatorarabic | F opentype | |
| N | threearabic | T kern | |
| N | tildecmb | F opentype | |
| N | tipehahebrew | F type1 | |
| N | tsadi | T multiple | |
| N | tsadidagesh | F opentype | |
| N | tsere | T substitution | |
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| N | tsere2b | D colorschemes | |
| N | tserehebrew | D data | |
| N | tserenarrowhebrew | D designsizes | |
| N | tserequarterhebrew | D filenames | |
| N | twoarabic | F getcompositions | |
| N | udblacute | T list | |
| N | vav | F compositions | |
| N | vavdagesh | F designsizes | |
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| F files | | F dataset |
| F mathematics | | S defaultbasealternate |
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| F glyf | F unpack |
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| F gpos | N version |
| F gsub | F scriptandlanguage |
| F head | F setdynamics |
| F hhea | F setfeatures |
| F hmtx | T statistics |
| F kern | D usedfeatures |
| F loadfont | T tables |
| F loadshapes | D baselines |
| F loca | D features |
| F math | D languages |
| F maxp | D scripts |
| F name | F unpackoutlines |
| F os/2 | N version |
| F pack | T pfb |
| F post | T tfm |
| F rehash | D features |
| T streamreader | N maxnestingdepth |
| F close | N maxnestingsize |
| F getposition | F setfeatures |
| F look | N version |
| F open | T vf |
| F read2dot14 | T combinations |
| F readbyte | F combine |
| F readbytes | T combiner |
| F readcardinal | D commands |
| F readcardinal1 | D helpers |
| F readcardinal2 | D math |
| F readcardinal3 | D predefined |
| F readcardinal4 | N version |
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| F readinteger1 | D csnames |
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| F readinteger4 | D dynamics |
| F readstring | D emwidths |
| F readtag | D exheights |
| F setposition | D extensibles |
| F size | D features |
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| T setdynamics | | F tounicode16 | |
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| D spaces | | metapost | table |
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| D variants | | F draw | |
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dummy function

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| сору | function |
| immediatewrite | function |
| keys | function |
| new | function |
| node | function |
| ofindex | function |
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   D codes
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   D functions
   D preambles
   F setpreamble
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| F MPr | | F btxabbreviatedjournal |
| | | |

F btxaddentrv F htxsetdataset F btxaddjournal F btxsetentry F btxauthor F btxsetregister F btxauthorfield F btxsetspecification F btxauthortoregister F btxsingularorplural F btxcollectlistentries F btxtoregister F btxcurrentfirstnames F btxusedataset F btxcurrentinitials F btxuservariable F btxcurrentjuniors F huildtextaccent F btxcurrentsurnames F character F btxcurrentvons F characters F btxdetail F chardescription F btxdirect F checkcountersetup F btxdoif F checkedconversion F btxdoifelse F checkedpagefloat F btxdoifelsecombiinlist F checkiniector F btxdoifelsesameasprevious F checkinterfacechain F htxdoifelseuservariable F checknextiniector F btxdoifnot F checkpreviousinjector F btxexpandedjournal F checktwopassdata F btxfetchlistentries F chemicalcomponent F btxfield F chinesenumerals F btxfieldname F cleanfontname F btxfieldtype F cleanupbox F btxfirstofrange F cleanuplayers F htxflush F clonefield F btxflushlistcombi F collectfloat F btxflushlistentry F collecthelp F btxflushmarked F colorcomponents F btxflushpages F concatcommalist F btxfoundname F consultfloat F btxfoundtype F converthtxdatasettoxml E htxhandlecite F converteddimen F btxhandlenocite F convertmpstopdf F btxlastofrange F copyposition F btxlistvariant F cos F btxloaddefinitionfile F cosd F btxloadjournallist F countervalue F btxloadreplacementfile F counttwopassdata F btxoneorrange F currentcomponent F btxpreparelistentries F currentdate F btxremapauthor F currentdesignsize F currentenvironment F btxsavedataset

F currentposthyphenchar

F btxsavejournallist

F currentprehyphenchar F defineprocesscolorglobal F currentproduct F defineprocesscolorlocal F currentproject F defineprogram F currentreferenceorder F definereference F currentsectiontolist F defineregister F datasetvariable F definerule F davname F definesectionlevels F decimals F defineselectfont F decrement counter F defineshift F decrementedcounter F definesnapmethod F decrementsubcounter F definespotcolorglobal F defineaccents F definestructureblock F defineattribute F definestructureset F definebreakpoint F definetransparency F definebreakpoints F definetwopasslist F definecharacterspacing F definetypeface F definechemical F defineviewerlaver F defineconversion F depthnumber F definecounter F digits normal F definedlayoutcomponent F digits reverse F definefallbackfamily F disableautofontscript F definefield F disabledirectives F definefieldset F disableexperiments F definefilefallback F disablejobsave F definefilesvnonvm F disableparbuilder F definefont one F disableregime F definefont two F disablespellchecking F definefontfamily F disablestatetriggering F definefontfeature F disablestream F definefontsolution F disabletrackers F definehyphenationfeatures F discardfromlist F defineinsertion F doanalyzeframedbox E defineintermediatecolor F doifcounter F definelabels F doifelseblack F doifelsebuffer F definelanguage F definelinkedlist F doifelsecharinfont F definemarking F doifelsecommon F definemetafont F doifelsecontinuewithfile F doifelseconverter F definemultitonecolorglobal F definenamespace F doifelsecounter F definenote F doifelsecurrentfonthasfeature F defineparallel F doifelsedrawingblack F defineparbuilder F doifelsefieldcategory F defineprocesscolordummy F doifelsefiledefined

F doifelsefileexist F doifsame F doifelsefirstchar F doprocesstypescriptfile F doifelsefontpresent F doreshapeframedbox F doifelseinelement F dosaveposition F doifelseinputfile F dosavepositionplus F doifelseinset F dosavepositionwhd F doifelseintwopassdata F dosetposition F doifelseleapyear F dosetpositionbox F doifelselisthasentry F dosetpositionplus F doifelselisthasnumher F dosetpositionstrut F dosetpositionwhd F doifelselisthaspage F doifelselisthastitle F dostarttextfile F doifelselocfile F dostoptextfile F doifelsemarking F elapsedtime F doifelsemessage F enableasciimode F doifelseobjectreferencefound F enableautofences F doifelseolderversion F enableautofontscript F doifelseoverlapping F enablebackgroundalign F doifelseparallel F enablebackgroundboxes F doifelseparentfile F enablecolor F doifelsepathexist F enablecolorintents F doifelseposition F enablecrlf F enabledirectives F doifelsepositiononpage F enableexperiments F doifelsepositionsonsamepage F doifelsepositionsonthispage F enablefontcolorschemes F doifelsepositionsused F enableinteraction F enableparbuilder F doifelserangeonpage F doifelsereference F enableregime F enablerules F doifelsesame F doifelsestackedfloats F enableshifts F doifelsesynonymshown F enablespellchecking F doifelsesynonymused F enablestatetriggering F doifelseurldefined F enablestream F doifelseutfmathabove F enabletrackers F enabletransparency F doifelseutfmathaccent F doifelseutfmathbelow F enableutf F doifelseutfmathfiller F enhancelinkedlist F doifelsevisualizer F enhancelist F doiffieldsetelse F enhancereference F doifnotcounter F enhanceregister F doifnotecontent F eposcolumn F doifnoteonsamepageasprevious F eposcolumnregistered F erasebuffer F doifnotsame

F execute

F doifposition

F expandcurrentreference F flushpostponednotes F exportformdata F flushstream F exportreferences F flushstreamcopy F extendregister F fontchar F extensiblecode F fontcharbyindex F featureattribute F fontcollectionclone F featurelist F fontcollectiondefine F feedback F fontcollectionprepare F fetchallmarks F fontcollectionregister F fetchmultipar F fontcollectionreport F fetchmultishape F fontcollectionreset F fetchonemark F fontlookupaetkev F fetchposboxes F fontlookupgetkeyofindex F fetchtwomarks F fontlookupinitialize F figure check F fontlookupnoffound F figure done F forceendjob F figure_dummy F forcequitjob F formatcolor F figure identify F figure include F formatgray F figure mergegoodies F from F figure pop F aetbidimode F figure push F getbodyfontsizes F getbuffer F figure_reset F getbufferctxlua F figure scale F figurefilename F getbuffermkvi F figurefilepath F getcheckedinterfaceparameters F figurefiletype F getcurrentprefixspec F figurerequest F getcurrentreferencemetadata F getdefaultfieldvalue F figurestatus F figureused F getdocumentargument F filterdefaultreference F getdocumentfilename F filterreference F getelementtag F finalizebox F getfieldcategory F findtwopassdata F getfile F finishexport F getfirstcharacter F firstcountervalue F getfirsttwopassdata F firstinset F getfloatvariable F firstsubcountervalue F getfullstructurenumber F flushfloat F getinternallistreference F flushlabeledfloat F getlasttwopassdata F flushnotes F getmarking F flushpageinjectionsafter F getmathdomain F flushpageinjectionsbefore F getmathitalics F flushpostponedblocks F getmessage

F getmpextensions F inputfilebarename F getmprandomnumber F inputfilename F getnaturaldimensions F inputfilerealsuffix F getnotestate F inputfilesuffix F getprivatechar F insertattachment F getprogram F insertcomment F getrandomdimen F insertfield F insertionnumber F getrandomfloat F getrandomnumber F insertrenderingwindow F installedlanguages F getrandomseed F getreadfilename F installtexdirective F getsomefullstructurenumber F installtextracker F getsomestructurenumber F iobfilename F getspecificstructuretitle F jobfilesuffix F getstructurelevel F languagenumber F getstructurenumber F lastcountervalue F getsubstring F lastsubcountervalue F lchexnumber F gettexbuffer F 1chexnumbers F gettwopassdata F gettwopassdatalist F leapyear F aeturl F linenumbersstageone F getvisual F linenumbersstagetwo F hboxtovbox F listgroupindex F helpaction F listlabel F helpreference F listlocation F hexstringtonumber F listnamespaces F horizontalcode F listprefixednumber F hour F listprefixedpage F hyphenatedlist F listrealpage F hyphenatedurl F listsize F immediatemessage F listtitle F increment counter F listuserdata F incrementedcounter F loadexamodes F loadfontgoodies F incrementsubcounter F loadluamodule F initializejob F initializemathdomain F loadmapfile F initializemathitalics F loadmapline F initializestream F loadspellchecklist F initializetexdirectives F loadtypescriptfile F initializetextrackers F loadvisualizer F injectcurrentreference F locatefilepath F injectcurrentreferencehtdp F locfilename F injectreference F lower

F lpdf_adddocumentcolorspace

F inlinechemical

F lpdf adddocumentextgstate F mpgraphic F lpdf adddocumentpattern F mpoptions F lpdf adddocumentshade F mprunset F lpdf addpageattributes F mpruntab F lpdf addpageresources F mprunvar F lpdf addpagesattributes F mpsetclippath F lpdf addtocatalog F mpsetoutercolor F lpdf addtoinfo F mpsetsxsv F lpdf addtonames F mpsettext F lpdf collectedresources F mptexget F lpdf color F mptexreset F luascript F mptexset F luathread F mptexsetfrombuffer F lxmlid F namedstructureuservariable F markcontent F namedstructurevariable F markingnumber F naturalwd F markingtitle F nbfs F nextcountervalue F markinjector F markregionbox F nextparallel F markregionboxcorrected F nextsubcountervalue F markregionboxtagged F nofdays F markvisualfonts F nofstackedfloats F mathfraction F notedeltapage F mathrenderset F notelistindex F message F notenumberpage F metapostescaped F noteprefixednumber F metapostformatted F notesymbolpage F metapostgraphformat F notetitle F minute F ntimes F mixcleanup F number F mixfinalize F numbers F mixflushlist F objectnumber F mixflushrest F objectpage F mixgetsplit F octnumber F octstringtonumber F mixsetsplit F mixstate F operatingsystem F molecule F ordinal F month F outputfilename F monthmnem F overloadbookmark F monthname F overloaderror F mpcolor F pagestaterealpage F mpflushliteral F parpos F mpflushreset F pdfrotation

F pdfstartmatrix

F mpgettext

F pdfstartmirroring F pushfloat F pdfstartrotation F pushhyphenation F pdfstartscaling F pushitaliccorrection F pdfstopmatrix F pushlist F pdfstopmirroring F pushpath F pdfstoprotation F pushrandomseed F pushreferenceprefix F pdfstopscaling F percentageof F pushreaime F pqfxcolorspec F pushsectionblock F pickupbuffer F pushstream F pickupmarkedcontent F rawcharacter F rawcountervalue F pickuppunctuation F placeparallel F rawdate F popfloat F rawsubcountervalue F pophyphenation F referencepagedetail F popitaliccorrection F referencepagestate F poplist F referencerealpage F registerattachment F poppath F poprandomseed F registerbackendsymbol F popreferenceprefix F registerbodyfontsize F popregime F registerbookmark F popsectionblock F registerbuttons F registercolorintent F postponenotes F prefixedconverted F registeredviewerlayer F presetsymbollist F registerfigurepattern F presettabulate F registerfiguresuffix F registerhelp F prevcountervalue F previoussubcountervalue F registerhyphenationexception F registerhyphenationpattern F processbodyfontsizes F processbuffer F registeritemgroup F processcolorcomponents F registerlanguagefeatures F processedfile F registerlinenumbering F processedfiles F registermaintextcolor F processfile F registermpyfile F processfilemany F registernamedlua F processfilenone F registernamespace F processfileonce F registerpostponedblock F processiob F registerrendering F registersection F processlist F processregister F registershownsynonym F processsplit F registerstructureprocessor F registersynonym F processsynonyms F profilebox F registerunit F purefontname F registerusedsynonym

F registeruserdata F savecounter F relatemarking F savecurrentattributes F renderingvar F savedlistnumber F replacefeature F savedlistprefixednumber F replacepospxywhd F savedlisttitle F reportstructure F savefloat F resavefloat F savemargindata F resetcharacteralign F savenote F resetrounter F saveobject F reseteffect F savepagedata F resetfeature F savepageiniections F resetfontfeature F saveparallel F resetfontsolution F savespecificfloat F resetiniector F savestructureblock F resetitaliccorrection F savetaggedtwopassdata F resetmanfiles F savetwopassdata F resetmarking F savevariable F resetmathattributes F second F resetmathitalics F selectstructureblock F resetnullfont F setactivecatcodes F resetparallel F setbreakpoints F resetpath F setcharacteralign F setcharactercasing F resetprevdepth F resetreference F setcharactercleaning F resetscript F setcharacterkerning F resetshownsynonyms F setcharacterspacing F resetstructureprocessor F setcharacterstripping F resetsubcounter F setclosedocumentaction F resettimer F setclosepageaction F resettrackers F setcolormodel F resetusedsynonyms F setcounter F restartcounter F setdataset F restartsubcounter F setdigitsmanipulation F restorecounter F setdirection F restorecurrentattributes F setdocumentargument F restorenote F setdocumentcommandline F reuserandomseed F setdocumentctxfile F revivefeature F setdocumentdefaultargument F romannumerals F setdocumentenvironments F rounded F setdocumentfilename F runbuffer F setdocumentfilenames F runcontextjob F setdocumentmodes F safechar F setdocumentmodules

F seteffect

F savebuffer

F setelementuserproperties F setopendocumentaction F setfigurelookuporder F setopenpageaction F setfigurepaths F setowncounter F setfirstline F setownsubcounter F setfontfeature F setpagecolormodel F setfontofid F setpagestate F setfontsolution F setpagestaterealpageno F setformat F setpagetransition F setformsmethod F setparbuilder F sethyphenatedurlcharacters F setprofile F sethyphenationfeatures F setrandomseed F sethyphenationmethod F setrealign F setinitial F setrealspaces F setinitialsectionblock F setreferencearguments F setiniector F setreferenceattribute F setinnerreferencemethod F setreferenceoperation F setinsertionlocation F setregionbox F setinterfaceconstant F setregionboxtagged F setinterfaceelement F setregistermethod F setinterfacemessage F setreplacements F setinterfacemessages F setscript F setinterfacevariable F setsectionblock F setinternalreference F setsectionentry F setitaliccorrection F setstructureblockstate F setjavascriptpreamble F setstructurelevel F setjobcomment F setstructurenumber F setlanguageexceptions F setsubcounter F setlanguagesynonym F settagaspect F setlettercatcodes F settagcombination F setmarking F settagdelimitedsymbol F setmathalphabet F settagfigure E setmathalternate F settaggedmetadata F setmathattribute F settaghighlight F setmathdirection F settagitem F setmathdomain F settagitemgroup F setmathitalics F settaglist F setmathstyle F settagnotation F setmpextensions F settagnotationsymbol F setnegative F settagproperty F setnextinternalreference F settagproperty b F setnextreferenceorder F settagproperty_n F setnotestate F settagregister F setnotesymbolpage F settagsorting

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F settagsubsentencesymbol

F setobject

F settagsynonym F startfontsolution F settagtablecell F startparbuilder F settagtabulatecell F startproduct F setupbookmarks F startproject F setupcanvas F startregime F setupcharacterspacing F startsectionlevel F setupexport F startstream F setupfontexpansion F starttag F setupfontprotrusion F starttag c F setupidentity F starttag_d F setupinsertion F starttag u F setupitaliccorrection F starttext F setuplinenumbering F startviewerlayer F setuserinterface F stopactualtext F setvalidinterfacekeys F stopchemical F setvisual F stopcolorset F setvisualfont F stopcomponent F setvisuallayer F stopenvironment F setxmpfile F stopfontsolution F showassignerror F stopparbuilder F showattributes F stopproduct F showcounter F stopproject F showdebuginfo F stopregime F showdirectives F stopsectionlevel F showdiscretionaries F stopstream F showexperiments F stoptag F showhyphenatedinlist F stoptext F showhyphenationtrace F stopviewerlayer F showinjector F storejavascriptcode F showjustification F storejavascriptpreamble F showlogcategories F storenote F showmessage F storeregister F showtrackers F strdp F sin F strhd F sind F strht F splitfilename F strip F spotcolorname F structureautocatcodedget F spotcolorparent F structurecatcodedget F spotcolorvalue F structuregivencatcodedget F startactualtext F structurenumber F startchemical F structuretitle F startcolorset F structureuservariable F structurevariable F startcomponent

F strwd

F startenvironment

E subcountervalue F usejavascriptpreamble F subcountervalues F usejavascriptscripts F subsubcountervalues F useluafile F subtractfeature F useluafileonce F synchronizemarking F useluamodule F synchronizestream F usemodules F synonymmeaning F usepath F useproduct F synonymname F systemlog F useproject F tagmfunctionlab F usesubpath F tagmfunctiontxt F usesymbols F tan F usetexfile F tand F usetexfileonce F texdefinition one F useurl F texdefinition two F usexmlfile F textime F usexmlfileonce F thefirstcharacter F usezipfile F utfchar F theremainingcharacters F utfmathclass F tochar F utfmathcommand F transparencycomponents F truefilename F utfmathcommandabove F utfmathcommandbelow F type F typebuffer F utfmathcommandfiller F typefile F utfmathfiller F uchar F utfmathstretch Fuchexnumber F vboxlisttohbox F uchexnumbers F verbose F undefinechemical F vspacing F unicodechar F vspacingcollapse F unihex F vspacingcollapseonly F unit_normal F vspacingdefine F unit reverse F vspacingsetamount F unloadlanguage F vspacingsnap F upper F way F useMPlibrary F weekday F useanyfile F weekdayname F useanyfileonce F writestatus F usecldfile F x_table_c F usecldfileonce F x_table_cleanup F usecolors F x_table_construct F usecomponent F x_table_create F useenvironment F x_table_finish_row F usefigurebase F x table flush

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F x_table_init_construct

F usefile

F x table init reflow height F xmldoifelsetext F x table init reflow height option F xmldoifemptv F x_table_init_reflow_width F xmldoifnot F x table init reflow width option F xmldoifnotemptv F x table next row F xmldoifnotselfempty F x table next row option F xmldoifnottext F x table r F xmldoifselfemptv F xmldoiftext F x table reflow height F x table reflow width F xmlelement F x table set construct F xmlfilter F xmlfilterlist F x table set reflow height F xmlfirst F x table set reflow width F xmladdindex F xmlflush F xmlafterdocumentsetup F xmlflushcontext F xmlaftersetup F xmlflushdocumentsetups F xmlall F xmlflushlinewise F xmlappenddocumentsetup F xmlflushspacewise F xmlfunction F xmlappendsetup F xmlapplyselectors F xmlgetindex F xmlatt F xmlinclude F xmlattdef F xmlincludeoptions F xmlattribute F xmlinclusion F xmlattributedef F xmlinclusions F xmlbadinclusions F xmlindex F xmlbeforedocumentsetup F xmlinfo F xmlbeforesetup F xmlinlineverbatim F xmlchainatt F xmlinstalldirective F xmlchainattdef F xmllast F xmlchecknamespace F xmlload F xmlcommand F xmlloadbuffer F xmlconcat F xmlloaddata F xmlconcatrange F xmlloaddirectives F xmlcontext F xmlloadregistered F xmlmain F xmlcount F xmlmatch F xmldelete F xmldirect F xmlname F xmldirectives F xmlnamespace F xmldirectivesafter F xmlnonspace F xmldirectivesbefore F xmlpos F xmldisplayverbatim F xmlprependdocumentsetup F xmldoif F xmlprependsetup F xmldoifelse F xmlraw F xmldoifelseempty F xmlrefatt

F xmlregisterns

F xmldoifelseselfempty

F xmlremapname

F xmlremapnamespace

F xmlremovedocumentsetup

F xmlremovesetup

F xmlresetdocumentsetups

F xmlresetinjectors

F xmlsave

F xmlsetcommandtonone

F xmlsetcommandtotext

F xmlsetentity

F xmlsetinjectors

F xmlsetsetup

F xmlsnippet

F xmlstartraw

F xmlstarttiming

F xmlstopraw

F xmlstoptiming

F xmlstrip

F xmlstripanywhere

F xmlstripnolines

F xmlstripped

F xmlstrippednolines

F xmltag

F xmltexentity

F xmltext

F xmltobuffer

F xmltobufferverbose

F xmltofile

F xmltoparameters

F xmlverbatim

F xmlwithindex

F year setconstant

setcount function setdimen function setelement function setformat function function setmacro setmessage function setmessages function settranslation function setuserinterface function setvalidkeys function setvariable function

function

showmessage storedscanners strings syntax tolist translations variables writestatus function
data table
table
data table
function
data table
data table

io (basic lua)

ask function
bytes function
characters function
close function
exists function
fileseparator string
flush function

loadchunk function
loaddata function
loadlines function
noflines function

open overloaded function
output overloaded function

pathseparator string

read function readall function readnumber function readstring function savedata function size function stderr userdata stdin userdata stdout userdata **tmpfile** function function type write function

jit (context)

```
string
arch
attach
             function
flush
             function
off
             function
             function
on
             table
opt
   F start
             string
os
             function
status
```

version_num number

version

string

job (context)

| comment | function | F find | |
|-------------------|----------|-----------------|-------|
| datasets | table | F first | |
| D collected | | F get | |
| F extend | | F getcollected | |
| F getdata | | F getdata | |
| F setdata | | F getfield | |
| D tobesaved | | F gettobesaved | |
| disablesave | function | F inlist | |
| fileobjreferences | table | F last | |
| D collected | | F list | |
| D tobesaved | | F save | |
| files | table | F savetagged | |
| D collected | | D tobesaved | |
| F context | | positions | table |
| B forcerun | | F b_col | |
| F run | | F b_region | |
| D tobesaved | | F c | |
| initialize | function | D collected | |
| load | function | F column | |
| loadother | function | F copy | |
| objects | table | F depth | |
| D collected | | F e_col | |
| F get | | F e_region | |
| F number | | F enhance | |
| F page | | F extra | |
| F save | | F get | |
| F set | | F getreserved | |
| D tobesaved | | F hangafter | |
| pack | boolean | F hangindent | |
| packversion | number | F height | |
| pagestates | table | F hsize | |
| D collected | | F leftskip | |
| F extend | | F lowerleft | |
| F realpage | | F lowerright | |
| F setstate | | F markregionbox | |
| D tobesaved | | Fn | |
| passes | table | F onsamepage | |
| F check | | F overlapping | |
| D collected | | F p | |
| F count | | F page | |
| F define | | F paragraph | |
| | | | |

F parindent F position Fr F region F replace F rightskip F set F setall F setdim F setregionbox D tobesaved F upperleft F upperright S used F width Fχ F xy Fу register function function save table structure D collected T components T tobesaved T branches S name S type variables table D checksums D collected F getchecksum F makechecksum F restore F save F setchecksum D tobesaved

number

version

lang (basic tex)

| clean | function |
|-------------------|----------|
| clear_hyphenation | function |
| clear_patterns | function |
| exceptions | function |
| hyphenate | function |
| hyphenation | function |
| hyphenationmin | function |
| id | function |
| new | function |
| patterns | function |
| postexhyphenchar | function |
| posthyphenchar | function |
| preexhyphenchar | function |
| prehyphenchar | function |

languages (context)

 ${\sf F}$ registerexception

| associate | function | F registerpattern | |
|------------------------|------------|--------------------------|------------|
| associated | data table | F setfeatures | |
| association | function | installed | function |
| counters | data table | labels | table |
| current | function | F define | |
| data | data table | F split | |
| decimals | data table | lefthyphenmin | function |
| define | function | loadable | function |
| expand | function | loadwords | function |
| expanders | table | logger | table |
| frequencies | table | F report | |
| F averagecharwidth | | numbers | data table |
| F getdata | | postexhyphenchar | function |
| getdata | function | posthyphenchar | function |
| getnumber | function | preexhyphenchar | function |
| hyphenate | function | prehyphenchar | function |
| hyphenators | table | registered | data table |
| T dictionaries | | replacements | table |
| D featuresets | | F add | |
| F handler | | F handler | |
| T methods | | F set | |
| F expanded | | righthyphenmin | function |
| B none | | serializediscretionary | function |
| F original | | setexceptions | function |
| F tex | | setsynonym | function |
| F traditional | | showdiscretionaries | function |
| B optimize | | unload | function |
| F popmethod | | version | number |
| F pushmethod | | visualizediscretionaries | function |
| F setmethod | | words | table |
| F setup | | F check | |
| F showhyphenationtrace | | T data | |
| T traditional | | F disable | |
| F definefeatures | | F enable | |
| F gettrace | | T enablers | |
| F hyphenate | | B enables | |
| F injecthyphens | | F found | |
| F installmethod | | F load | |
| F lasttrace | | T methods | |
| F loadpatterns | | N threshold | |

layouts (context)

status table

F isleftpage

F leftorrightpagection

lfs (extra lua)

attributes overloaded function chdir overloaded function

currentdir function

lock function

mkdirs function

unlock function

libraries (context)

```
basiclua data table
basictex data table
builtin data table
extralua data table
extratex data table
functions data table
globals data table
```

lmx (context)

color function function convert convertfile function convertstring function einject function eprint function escape function finalized function finject function **fprint** function aet function getvariables function htmfile function html table

F a F td F th

include function
inherited table

S color-background-four

S color-background-one

S color-background-three

S color-background-two

S title

initialize function inject function **lmxfile** function loadedfile function make function function new overloaderror function popupfile function print function function pν function report function reset result function set function function show showdebuginfo function showerror function stripcss function
tv function
type function
urlescape function
variable function
variables table

S color-background-blue

S color-background-body

S color-background-green

S color-background-main

S color-background-purple
S color-background-yellow

S title-default

logs (context)

application function function categories direct function disable function enable function exporters table extendbanner function flush function help function messenger function function new newline function poptarget function pushtarget function report function function reportbanner function reporter table reporters

F banner

F export

F help

F info

F lines

F version

reportline function reportlines function setformats function setformatters function setloafile function function setmessenger setprocessor function setprogram function settarget function settimedlog function settranslations function function show show close function show load function show open function simple function simpleline function

simplelines function start page number function status function function stop page number subdirect function function subreport system function function texerrormessage function writer

lpdf (context)

| action | function | finalizedocument | function |
|--------------------------|------------|---------------------------|------------|
| adddocumentcolorspace | function | finalizepage | function |
| adddocumentextgstate | function | finishtransparencycode | function |
| adddocumentpattern | function | flushobject | function |
| adddocumentshade | function | flushstreamfileobject | function |
| addtocatalog | function | flushstreamobject | function |
| addtoinfo | function | formats | data table |
| addtonames | function | frompdfdoc | function |
| addtopageattributes | function | fromsixteen | function |
| addtopageresources | function | gethpos | function |
| addtopagesattributes | function | getmatrix | function |
| addxmpinfo | function | getpos | function |
| annotationspecification | function | getypos | function |
| array | function | graycode | function |
| boolean | function | hasmatrix | function |
| border | function | id | function |
| checkedkey | function | injectxmpinfo | function |
| checkedvalue | function | insertxmpinfo | function |
| circularshade | function | layerreference | function |
| cmykcode | function | limited | function |
| collectedresources | function | linearshade | function |
| color | function | nametree | function |
| colorspace | function | null | function |
| colorspaceconstants | data table | number | function |
| colorspec | function | pagedestinations | data table |
| colorvalue | function | pagereference | function |
| colorvalues | function | pagereferences | data table |
| constant | function | pdfcolor | function |
| delayedobject | function | pdftimestamp | function |
| destinationspecification | function | protectresources | boolean |
| dictionary | function | rectangle | function |
| docstring | function | reference | function |
| epdf | table | registerannotation | function |
| F contenttotext | | registerdestination | function |
| F expand | | registerdocumentfinalizer | function |
| F expanded | | registerpagefinalizer | function |
| F getpagecontent | | reserveobject | function |
| F getstructure | | rgbcode | function |
| F load | | rotationcm | function |
| F unload | | shareobject | function |
| escaped | function | shareobjectreference | function |

spotcode function function stream string function timestamp function toeight function topdfdoc function tosixteen function transform function transparency function transparencycode function transparencygroups table

B none

transparencyvalue function
unicode function
verbose function

lpeg (basic lua)

| В | function | setmaxstack |
|-----------------|------------|---------------|
| C | function | split |
| Carg | function | splitat |
| Cb | function | splitter |
| Cc | function | stripper |
| Cf | function | times |
| Cg | function | tsplitat |
| Cmt | function | tsplitter |
| Ср | function | type |
| Cs | function | utfchartablet |
| Ct | function | version |
| P | function | |
| R | function | |
| S | function | |
| UP | function | |
| UR | function | |
| US | function | |
| V | function | |
| afterprefix | function | |
| anywhere | function | |
| append | function | |
| balancer | function | |
| beforesuffix | function | |
| checkedsplit | function | |
| counter | function | |
| endstripper | function | |
| finder | function | |
| firstofsplit | function | |
| frontstripper | function | |
| instringchecker | function | |
| is_lpeg | function | |
| keeper | function | |
| locale | function | |
| match | function | |
| oneof | function | |
| patterns | data table | |
| pcode | function | |
| print | function | |
| ptree | function | |
| replacer | function | |
| secondofsplit | function | |
| | | |

setmaxstack function
split function
splitat function
splitter function
stripper function
times function
tsplitat function
tsplitter function
type function
utfchartabletopattern function
version function

ltn12 (extra lua)

```
BLOCKSIZE number
filter
             table
   F chain
   F cycle
             table
pump
   F all
   F step
             table
sink
   F chain
   F error
   F file
   F null
   F simplify
   F table
source
             table
   F cat
   F chain
   F empty
   F error
   F file
   F rewind
   F simplify
   F string
```

lua (basic tex)

bytecode table bytedata data table table bytedone collectgarbage function delay function finalize function firstbytecode number flush function function flushdelayed get functions table function getbytecode function getluaname function lastbytecode number mask string messages data table table name data table numbers registercode function registeredcodes function registerfinalizer function registername function setbytecode function setluaname function startupfile string version string

luatex (context)

cleanuptempfiles function
registerstartactions function
registerstopactions
registertempfile function
starttime number

lxml (context)

| addindex | function | flush | function |
|-----------------|------------|----------------|----------|
| all | function | flushlinewise | function |
| applyfunction | function | flushsetups | function |
| applyselectors | function | flushspacewise | function |
| att | function | get id | function |
| attribute | function | getid | function |
| badinclusions | function | getindex | function |
| chainattribute | function | id | function |
| checkindex | function | idsplitter | userdata |
| collected | function | include | function |
| command | function | inclusion | function |
| concat | function | inclusions | function |
| concatrange | function | index | function |
| content | function | info | function |
| context | function | inlineverbatim | function |
| convert | function | installsetup | function |
| count | function | last | function |
| delete | function | load | function |
| direct | function | loadbuffer | function |
| directives | table | loaddata | function |
| F after | | loaded | table |
| F before | | loadregistered | function |
| F handle | | main | function |
| F load | | match | function |
| F setup | | name | function |
| displayverbatim | function | namespace | function |
| doif | function | nonspace | function |
| doifelse | function | pos | function |
| doifelseempty | function | position | function |
| doifelsetext | function | raw | function |
| doifempty | function | rawroot | function |
| doifnot | function | refatt | function |
| doifnotempty | function | register | function |
| doifnottext | function | registerentity | function |
| doiftext | function | removesetup | function |
| element | function | resetcdata | function |
| elements | function | resetsetups | function |
| entities | data table | resolvedentity | function |
| filter | function | root | function |
| filterlist | function | save | function |
| first | function | serialize | function |

setaction function setcdata function setcommandtonone function setcommandtotext function setescapedentities function setsetup function snippet function table sorters F add

F compare F flush F reset

F show F sort

xmltexhandler

splitid function startraw function function stopraw store function function strip stripped function function tag text function tobuffer function tofile function toparameters function toverbatim function verbatim function withindex function

data table

math (basic lua)

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

mathematics (context)

| addfallbacks | function | renderings | table |
|------------------------|------------|------------------------|------------|
| alphabets | data table | D mappings | |
| alternatives | data table | D numbers | |
| big | function | D sets | |
| boldmap | data table | renderset | function |
| categories | table | resetattributes | function |
| D functions | | resetitalics | function |
| charactersets | data table | scaleparameters | function |
| checkaccentbaseheight | function | setalternate | function |
| checkprivateparameters | function | setdomain | function |
| classes | data table | setitalics | function |
| codes | data table | sets | data table |
| define | function | styles | data table |
| dimensions | function | syncboth | function |
| domains | table | syncname | function |
| extensiblecode | function | syncstyle | function |
| extensibles | data table | toname | function |
| extrabase | number | tostyle | function |
| extras | table | tweakaftercopyingfont | function |
| F add | | tweakbeforecopyingfont | function |
| F copy | | tweaks | table |
| fallbacks | table | utfmathaccent | function |
| F apply | | utfmathclass | function |
| F install | | utfmathcommand | function |
| fallbackstyleattr | function | utfmathfiller | function |
| families | data table | utfmathstretch | function |
| gaps | data table | | |
| getboth | function | | |
| getdomain | function | | |
| getitalics | function | | |
| getstyle | function | | |
| horizontalcode | function | | |
| initializeparameters | function | | |
| injectfallbacks | function | | |
| makefont | function | | |
| mapremap | data table | | |
| overloaddimensions | function | | |
| overloadparameters | function | | |
| privatebase | number | | |
| registerdomain | function | | |
| | | | |

mbox (context)

```
parse function
parse_from function
parse_header function
parse_message function
split_headers function
split_mbox function
split_message function
```

md5 (extra lua)

HEX function
crypt function
dec function
exor function
hex function
sum function
sumhexa function

metapost (context)

| analyzonlugine | function | gottovt | function | |
|-------------------------------|----------------------------------|--|--------------------|--|
| analyzeplugins checkformat | function | gettext graphic | function | |
| checktexts | function | graphic_base_pass | function | |
| collapse | boolean | initializescriptrunner | function | |
| colorinitializer | function | instance | function | |
| convert | function | intermediate | table | |
| defaultformat | | T actions | table | |
| defaultinstance | string | | | |
| defaultmethod | string | F makempy | c+rina | |
| directrun | string function | lastlog load | string function | |
| | function | | table | |
| escaped exectime | table | makempy | table | |
| | | N nofconverted | | |
| extensiondata | data table function | F processgraphics | | |
| filterclippath | function | F registerfile | £ | |
| flush | | maketext | function | |
| flushers | table | metafun | table | |
| T pdf | | F interpolate | | |
| F comment | | F topath | | |
| F flushfigure | | <pre>method number mptopdf table</pre> | | |
| F startfigure | | F - F - | | |
| F stopfigure | F convertmpstopdf N nofconverted | | | |
| F textfigure | £ | n notconverted number | | |
| flushliteral | function | | | |
| flushnormalpath | function | nvformat | function | |
| flushreset | function | optimize | boolean | |
| fonts | table | parse | function | |
| F define | | pdfliterals | function | |
| T flusher | | pluginactions | function | |
| F flushfigure | | process | function | |
| F startfigure | | processplugins | function | |
| F stopfigure | | processspecial | function | |
| N instances | | properties | table | |
| F process | | quickanddirty | function | |
| format | function | reducetogray | boolean | |
| format_number | function | reporterror | function | |
| format_string | function | reset | function | |
| formatnumber | function | resetlastlog | function | |
| getclippath | function | resetplugins | function | |
| getextensions | function | runscript | function | |
| getjobdata | function | scripterror | function | |
| getstatistics | function | setextensions | function | |

setoutercolor
settext function
showlog boolean
svformat function
tex table

F get F reset F set

F setfrombuffer

texerrors boolean
textextsdata function
theclippath function
totable function
unload function
untagvariable function
variables table

mime (extra lua)

```
b64
           function
decode
           function
decodet
           table
   F base64
   F quoted-printable
           function
dot
encode
           function
encodet
           table
   F base64
   F quoted-printable
eol
           function
normalize function
           function
qр
           function
qpwrp
stuff
           function
unb64
           function
           function
unqp
           function
wrap
wrapt
           table
   F base64
   F default
   F quoted-printable
   F text
           function
wrp
```

mp (context)

| BackSpace | function | OverlayDepth | function |
|----------------------|----------|-------------------------|----------|
| BaseLineSkip | function | OverlayHeight | function |
| BodyFontSize | function | OverlayLineWidth | function |
| BottomDistance | function | OverlayOffset | function |
| BottomHeight | function | OverlayWidth | function |
| BottomSpace | function | PageDepth | function |
| CurrentColumn | function | PageFraction | function |
| CurrentHeight | function | PageNumber | function |
| CurrentWidth | function | PageOffset | function |
| CutSpace | function | PaperBleed | function |
| EmWidth | function | PaperHeight | function |
| ExHeight | function | PaperWidth | function |
| FooterDistance | function | PrintPaperHeight | function |
| FooterHeight | function | PrintPaperWidth | function |
| HSize | function | RealPageNumber | function |
| HeaderDistance | function | RightEdgeDistance | function |
| HeaderHeight | function | RightEdgeWidth | function |
| InPageBody | function | RightMarginDistance | function |
| InnerEdgeDistance | function | RightMarginWidth | function |
| InnerEdgeWidth | function | SpineWidth | function |
| InnerMarginDistance | function | StrutDepth | function |
| InnerMarginWidth | function | StrutHeight | function |
| LastPageNumber | function | TextHeight | function |
| LayoutColumnDistance | function | TextWidth | function |
| LayoutColumnWidth | function | TopDistance | function |
| LayoutColumns | function | TopHeight | function |
| LeftEdgeDistance | function | TopSkip | function |
| LeftEdgeWidth | function | TopSpace | function |
| LeftMarginDistance | function | VSize | function |
| LeftMarginWidth | function | _f_ | function |
| LineHeight | function | boolean | function |
| MakeupHeight | function | dataset | function |
| MakeupWidth | function | datasets | table |
| NOfColumns | function | F load | |
| NOfPages | function | defaultcolormodel | function |
| OnOddPage | function | format | function |
| OnRightPage | function | formatted | function |
| OuterEdgeDistance | function | get | table |
| OuterEdgeWidth | function | F boolean | |
| OuterMarginDistance | function | F number | |
| OuterMarginWidth | function | F numeric | |

F string

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

mplib (extra tex)

fields function
finder function
finders table

F file

get_boolean function
get_number function
get_string function

new overloaded function

pen_info function
preprocessed function
version function

noads (context)

handlers table F alternates F autofences F classes F collapse F domains F families F italics F relocate F render F resize F showtree F tags F unscript F variants function process processnested function table processors T autofences T collapse F mlist_to_hlist T relocate T render T resize T unscript

processouter

function

node (basic tex)

| conv | function | E is made | |
|-------------------------------|----------|--|----------|
| copy list | function | F is_node | |
| copy_list count | function | F last_node | |
| | function | F length | |
| current_attr dimensions | function | F new | |
| direct | table | F protect_glyphs | |
| F copy | table | F protrusion_skippable F remove | |
| F copy_list | | F set attribute | |
| F count | | _ | |
| F current_attr | | <pre>F set_properties_mode F setboth</pre> | |
| F dimensions | | F setbox | |
| F do_ligature_n | | F setchar | |
| F effective_glue | | F setdisc | |
| F end_of_math | | F setfield | |
| F first_glyph | | F setlink | |
| F flush_list | | F setnext | |
| F flush_node | | F setprev | |
| - F flush_properties_table | | F setproperty | |
| F free | | F slide | |
| F get_properties_table | | F tail | |
| F getboth | | F todirect | |
| F getbox | | F tonode | |
| F getchar | | F tostring | |
| F getdisc | | F traverse | |
| F getfield | | F traverse_id | |
| F getfont | | F unprotect_glyphs | |
| F getid | | F unset_attribute | |
| F getleader | | F usedlist | |
| F getlist | | F vpack | |
| F getnext | | F write | |
| F getprev | | do_ligature_n | function |
| F getproperty | | effective_glue | function |
| F getsubtype | | end_of_math | function |
| F has_attribute | | family_font | function |
| F has_field | | fields | function |
| F has_glyph | | first_character | function |
| F hpack | | first_glyph | function |
| F insert_after | | flush_list | function |
| F insert_before | | flush_node | function |
| F is_char | | flush_properties_table | function |
| F is_direct | | free | function |

| get_properties_table function getchar function getfield function getid function getleader function getlist function getnext function getprev function getsubtype function has_attribute function has_glyph function id function insert_after function insert_before function kerning function last_node function ligaturing function new function prev function protect_glyphs function set_attribute function set_attribute function protrusion_skippable function set_attribute function set_property function | getchar getfield | function function |
|--|---------------------------------|----------------------|
| getfield function getid function getleader function getlist function getnext function getprev function getproperty function has_attribute function has_field function has_glyph function has_glyph function insert_after function insert_before function kerning function last_node function ligaturing function mlist_to_hlist function prev function protect_glyphs function set_attribute function set_attribute function set_properties_mode function setproperty function setproperty function | getfield | function |
| getfont getid getid getleader getlist getnext getnext getprev getproperty getsubtype has_attribute has_glyph hpack id insert_after insert_before is_node kerning last_node length ligaturing mlist_to_hlist prev function prev property function getproperty function set_attribute function set_properties_mode function function function function | - | |
| getid function getleader function getlist function getnext function getprev function getproperty function has_attribute function has_field function has_glyph function has_glyph function id function insert_after function insert_before function is_node function kerning function last_node function ligaturing function new function new function prev function prev function protect_glyphs function protrusion_skippable function set_attribute function set_properties_mode function setproperty function | getfont | function |
| getleader getlist getnext function getprev getproperty getsubtype has_attribute has_field has_glyph hpack id insert_after insert_before is_node kerning last_node length ligaturing mlist_to_hlist new protect_glyphs protrusion_skippable remove set_attribute function | gerrone | |
| getlist function getnext function getprev function getproperty function has_attribute function has_field function has_glyph function has_glyph function id function insert_after function insert_before function is_node function last_node function length function mlist_to_hlist function prev function protect_glyphs function protrusion_skippable function set_attribute function set_property function setproperty function | getid | function |
| getnext function getprev function getproperty function getsubtype function has_attribute function has_field function has_glyph function id function insert_after function insert_before function is_node function kerning function last_node function ligaturing function mlist_to_hlist function prev function protect_glyphs function protrusion_skippable function set_attribute function set_properties_mode function setproperty function | getleader | function |
| getprev function getproperty function getsubtype function has_attribute function has_field function has_glyph function id function insert_after function is_node function kerning function last_node function ligaturing function mlist_to_hlist function prev function protect_glyphs function protrusion_skippable function set_attribute function set_properties_mode function setproperty function | getlist | function |
| getproperty getsubtype function has_attribute has_field has_glyph function hpack function insert_after insert_before is_node kerning last_node length ligaturing mlist_to_hlist new function prev protect_glyphs protrusion_skippable remove set_attribute set_property function | getnext | function |
| getsubtype function has_attribute function has_field function has_glyph function id function insert_after function insert_before function is_node function last_node function length function ligaturing function mw function new function prev function prev function protect_glyphs function protrusion_skippable function set_attribute function set_property function | | function |
| has_attribute function has_field function has_glyph function hpack function id function insert_after function insert_before function is_node function kerning function last_node function length function ligaturing function mlist_to_hlist function new function prev function prev function protect_glyphs function protrusion_skippable function set_attribute function set_property function | getproperty | function |
| has_field function has_glyph function hpack function id function insert_after function is_node function kerning function last_node function length function mlist_to_hlist function new function prev function protect_glyphs function protrusion_skippable function set_attribute function setproperty function | | function |
| has_glyph function hpack function id function insert_after function is_node function kerning function last_node function length function ligaturing function new function prev function protect_glyphs function protrusion_skippable function set_attribute function setproperty function setproperty function | - | function |
| <pre>hpack id function insert_after function insert_before function is_node function kerning function last_node function length function ligaturing function new function new function prev function prev function protect_glyphs function protrusion_skippable function set_attribute function set_properties_mode setproperty</pre> | | function |
| id function insert_after function insert_before function is_node function kerning function last_node function length function ligaturing function new function new function prev function protect_glyphs function protrusion_skippable function set_attribute function set_properties_mode function setproperty function | has_glyph | function |
| <pre>insert_after</pre> | hpack | function |
| <pre>insert_before is_node kerning last_node length ligaturing mlist_to_hlist new next protect_glyphs protrusion_skippable remove set_attribute set_property</pre> function fu | | function |
| <pre>is_node kerning last_node length length ligaturing mlist_to_hlist new function prev function protect_glyphs protrusion_skippable remove set_attribute set_properties_mode setproperty</pre> function | _ | function |
| kerning function last_node function length function ligaturing function new function next function prev function protect_glyphs function protrusion_skippable function remove function set_attribute function set_properties_mode function setproperty function | _ | function |
| last_node function length function ligaturing function new function next function prev function protect_glyphs function protrusion_skippable function set_attribute function set_properties_mode function setfield function setproperty function | is_node | function |
| <pre>length</pre> | | function |
| <pre>ligaturing</pre> | last_node | function |
| mlist_to_hlist function new function next function prev function protect_glyphs function protrusion_skippable function remove function set_attribute function set_properties_mode function setfield function setproperty function | length | function |
| <pre>new function next function prev function protect_glyphs function protrusion_skippable function remove function set_attribute function set_properties_mode function setfield function setproperty function</pre> | | function |
| next function prev function protect_glyphs function protrusion_skippable function remove function set_attribute function set_properties_mode function setfield function setproperty function | mlist_to_hlist | function |
| prev function protect_glyphs function protrusion_skippable function remove function set_attribute function set_properties_mode function setfield function setproperty function | new | function |
| protect_glyphs function protrusion_skippable function remove function set_attribute function set_properties_mode function setfield function setproperty function | next | function |
| <pre>protrusion_skippable function remove function set_attribute function set_properties_mode function setfield function setproperty function</pre> | prev | function |
| remove function set_attribute function set_properties_mode function setfield function setproperty function | | function |
| <pre>set_attribute function set_properties_mode function setfield function setproperty function</pre> | <pre>protrusion_skippable</pre> | function |
| <pre>set_properties_mode function setfield function setproperty function</pre> | | function |
| setfield function setproperty function | - | function |
| setproperty function | | function |
| | setfield | function |
| | | |
| | slide | function |
| subtype function | | |
| subtypes function | | |
| tail function | tail | function |
| tostring function | tostring | |
| traverse function | | |
| traverse_id function | traverse_id | |
| tune function | type | function |
| -,,,, | types | function |

unprotect_glyphs

unset_attribute function
usedlist function
vpack function
whatsits function
write function

function

nodes (context)

| accentcodes | data table | free | function |
|--|--|--|----------------------------------|
| aligned | function | free spec | function |
| append | function | getattr | function |
| astable | function | getattribute | function |
| basepoints | function | getbox | function |
| builders | table | getchar | function |
| F buildpage_filter | | getfield | function |
| F vpack_filter | | getfont | function |
| codes | data table | getid | function |
| concat | function | getleader | function |
| сору | function | getlist | function |
| copy_list | function | getnext | function |
| copy_spec | function | getprev | function |
| count | function | getskip | function |
| current_attr | function | getsubtype | function |
| delete | function | gluecodes | data table |
| destinations | table | glyphcodes | data table |
| N attribute | | glyphdir_is_equal | data table |
| T done | | glyphdir_is_opposite | data table |
| F handler | | glyphdir_is_orthogonal | data table |
| T stack | | handlers | table |
| 43 | J-4- 4-61- | | |
| dimensionfields | data table | F accessibility | |
| dimensions | function | F accessibility F alignbackgrounds | |
| dimensions dir_is_pop | function data table | • | |
| <pre>dimensions dir_is_pop dir_negation</pre> | function data table data table | F alignbackgrounds | |
| dimensions dir_is_pop dir_negation disccodes | function data table data table data table | F alignbackgrounds F backgrounds | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes | function data table data table data table data table | F alignbackgrounds F backgrounds F characters | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n | function data table data table data table data table function | F alignbackgrounds F backgrounds F characters F checkforleaks | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue | function data table data table data table data table function function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math | function data table data table data table data table function function function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack | function data table data table data table data table function function function function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack fencecodes | function data table data table data table data table function function function function data table | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize F migrate | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack fencecodes fields | function data table data table data table data table function function function function function function data table function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize F migrate F protectglyphs | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack fencecodes fields fillcodes | function data table data table data table data table function function function function data table function data table | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize F migrate F protectglyphs F stripping | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack fencecodes fields fillcodes first_character | function data table data table data table data table function function function function data table function data table function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize F migrate F protectglyphs F stripping F unprotectglyphs | |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack fencecodes fields fillcodes first_character first_glyph | function data table data table data table data table function function function data table function data table function data table function data table function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize F migrate F protectglyphs F stripping F unprotectglyphs has_attribute | function |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack fencecodes fields fillcodes first_character first_glyph firstcharacter | function data table data table data table data table function function function data table function data table function data table function data table function function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize F migrate F protectglyphs F stripping F unprotectglyphs has_attribute has_field | function |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack fencecodes fields fillcodes first_character first_glyph firstcharacter firstcharinbox | function data table data table data table data table data table function function function data table function data table function data tole function function function function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize F migrate F protectglyphs F stripping F unprotectglyphs has_attribute has_field has_glyph | function function |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack fencecodes fields fillcodes first_character first_glyph firstcharinbox firstglyph | function data table data table data table data table data table function function function data table function data table function function data tole function function function function function function function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize F migrate F protectglyphs F stripping F unprotectglyphs has_attribute has_field has_glyph hpack | function function function |
| dimensions dir_is_pop dir_negation disccodes discretionarycodes do_ligature_n effective_glue end_of_math fasthpack fencecodes fields fillcodes first_character first_glyph firstcharacter firstcharinbox | function data table data table data table data table data table function function function data table function data table function data tole function function function function | F alignbackgrounds F backgrounds F characters F checkforleaks F checkglyphs F cleanupbox F cleanuppage F export F finalize F migrate F protectglyphs F stripping F unprotectglyphs has_attribute has_field has_glyph | function function |

| injections | table | listablefields |
|-------------------------|------------|-------------------|
| F copy | | listcodes |
| F getligaindex | | listtoutf |
| F handler | | load |
| F installnewkern | | locate |
| F keepcounts | | margincodes |
| F reset | | marginkerncodes |
| F resetcounts | | markers |
| F setcursive | | F get |
| F setkern | | mathcodes |
| F setligaindex | | maxboxwidth |
| F setmark | | mlist_to_hlist |
| F setpair | | new |
| insert_after | function | noadcodes |
| insert_before | function | nodecodes |
| insert_list_after | function | nopts |
| installattributehandler | function | nuts |
| is_direct | function | F append |
| is_display_math | function | F concat |
| is_mirrored | data table | F copy |
| is_node | function | F copy_list |
| is_nut | function | F copy_properties |
| is_rotated | data table | F count |
| kerncodes | data table | F current_attr |
| kerning | function | F delete |
| keys | table | F dimensions |
| T whatsit | | F do_ligature_n |
| last_node | function | F effective_glue |
| leadercodes | data table | F end_of_math |
| leftmarginwidth | function | F fasthpack |
| ligaturing | function | F first_glyph |
| lines | table | F firstcharacter |
| T boxed | | F firstcharinbox |
| F register | | F firstglyph |
| F setup | | F flush_list |
| F stage_one | | F flush_node |
| F stage_two | | F free |
| D data | | F getattr |
| F finalize | | F getattribute |
| F number | | F getboth |
| N scratchbox | | F getbox |
| link | function | F getchar |
| linked | function | F getdisc |
| list | function | F getfield |

data table
data table
function
function
data table
data table
table
data table

data table function function function data table data table function table F aetfont F leftskip F getid F lineskip F getleader F negatedglue F getlist F noad F getnext F pdfannotation F pdfdestination F getprev F getprop F pdfdirect F getskip F pdfliteral F getsubtype F pdfrestore F has attribute F pdfsave F has field F pdfsetmatrix F has glyph F penalty F hpack F register F rightmarginkern F insert after F insert before F rightskip F insert_list_after F rule F is_char F shrink F is direct F special F stretch F is display math F temp F is node F is nut F textdir F kerning F usage F last_node T userids F leftmarginwidth N margins.inline F ligaturing N property F link N splitters.one F linked N splitters.two F userlist F locate F mlist to hlist F usernumber F nestedtracedslide F userstring F new F usertokens T pool F vlist F baselineskip F zeroglue F cleanup F prepend F disc F protect_glyphs F fontkern F protrusion skippable F glue F rawprop F reference F gluespec F glyph F remove F hlist F repackhlist F kern F replace F latelua F rightmarginwidth F lateluafunction F set attribute

F setattr

F leftmarginkern

| F setattribute | F vpack | |
|---|--|-------------------|
| F setattributes | F writable_spec | |
| F setboth | F write | |
| F setbox | packlist | function |
| F setchar | pardir_is_equal | data table |
| F setdisc | pardir_is_opposite | data table |
| F setfield | pardir_is_parallel | data table |
| F setlink | partextdir_is_equal | data table |
| F setnext | penaltycodes | data table |
| F setprev | plugindata | table |
| F setprop | F finalizer | tabte |
| F setunsetattributes | F initializer | |
| F setvisual | S name | |
| F slide | T namespace | |
| F somepenalty | N attribute | |
| F somespace | D data | |
| F tail | F enable | |
| F takebox | F handler | |
| | F register | |
| F theprop F tonode | | |
| F tonodes | D registered D values | |
| F tonut | | |
| | F processor | |
| F tocoguence | | function |
| F tosequence | points nool | function |
| F tostring | pool | function table |
| F tostring F tracedslide | <pre>pool F baselineskip</pre> | |
| F tostring F tracedslide F traverse | <pre>pool F baselineskip F cleanup</pre> | |
| F tostring F tracedslide F traverse F traverse_id | <pre>pool F baselineskip F cleanup F glyph</pre> | |
| F tostring F tracedslide F traverse F traverse_id T typesetters | <pre>pool F baselineskip F cleanup F glyph F kern</pre> | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack | <pre>pool F baselineskip F cleanup F glyph F kern F latelua</pre> | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack | <pre>pool F baselineskip F cleanup F glyph F kern F latelua F lateluafunction</pre> | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack | pool F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpackfast | pool F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F tohpack F tonodes | <pre>pool F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral</pre> | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F tonodes F tovpack | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F toopack F tovpack F tovpack F tovpack | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore F pdfsave | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F toopack F tovpack F tovpack F tovpack F tovpack F tovpack | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore F pdfsave F pdfsetmatrix | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F toopack F toopackfast F tonodes F tovpack F tovpack F tovpack F tovpack F tovpack F unprotect_glyphs | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore F pdfsave F pdfsetmatrix F register | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F toodes F tovpack F unprotect_glyphs F unset_attribute | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore F pdfsave F pdfsetmatrix F register F rule | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F toodes F tovpack F unset_attribute F unsetattribute | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore F pdfsave F pdfsetmatrix F register F rule F special | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F toodes F tovpack F tovpack F tovpack F tovpack F tovpack F tovpack F unprotect_glyphs F unset_attribute F unsetattributes | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore F pdfsave F pdfsetmatrix F register F rule F special F usage | |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F toopack F tovpackfast F tovpack F tovpack F tovpack F tovpack F tovpack F unprotect_glyphs F unset_attribute F unsetattributes F untracedslide | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore F pdfsave F pdfsetmatrix F register F rule F special F usage F usernumber | table |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F toopack F tovpack F tovpack F tovpack F tovpack F tovpack F tovpack F unprotect_glyphs F unset_attribute F unsetattribute F unsetattributes F untracedslide F usedlist | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore F pdfsave F pdfsetmatrix F register F rule F special F usage F usernumber Prepend | table |
| F tostring F tracedslide F traverse F traverse_id T typesetters F fast_hpack F hpack F tohpack F tohpack F toopack F tovpackfast F tovpack F tovpack F tovpack F tovpack F tovpack F unprotect_glyphs F unset_attribute F unsetattributes F untracedslide | F baselineskip F cleanup F glyph F kern F latelua F lateluafunction F lineskip F pdfdirect F pdfliteral F pdfrestore F pdfsave F pdfsetmatrix F register F rule F special F usage F usernumber | table |

| B enabled | | setunsetattributes | function |
|---|--|--|------------|
| F hpack_filter | | shifts | table |
| F post_linebreak_filter | | D data | |
| F pre_linebreak_filter | | F define | |
| F tracer | | F enable | |
| processwords | function | F handler | |
| properties | table | show | function |
| T actions | | showboxes | function |
| F delayed | | showcodes | function |
| F fdelayed | | showlist | function |
| F immediate | | showsimplelist | function |
| F attach | | skipcodes | data table |
| T data | | slide | function |
| F delayed | | snapshots | table |
| protect_glyphs | function | F getparameters | |
| protrusion_skippable | function | F getsamples | |
| pts | function | F resetsamples | |
| radicalcodes | data table | F takesample | |
| reference | function | somepenalty | function |
| references | table | somespace | function |
| N attribute | | stripdiscretionaries | function |
| T done | | stripping | table |
| F handler | | T glyphs | |
| T stack | | F set | |
| remove | function | striprange | function |
| repackhlist | function | tail | function |
| replace | function | takebox | function |
| report | function | tasks | table |
| rightmarginwidth | function | F actions | |
| rulecodes | data table | F appendaction | |
| rules | table | F disableaction | |
| D data | | F disablegroup | |
| F define | | F enableaction | |
| F enable | | F enablegroup | |
| F handler | | F freeze | |
| save | function | F freezegroup | |
| | function | F new | |
| serializebox | function | F prependaction | |
| set_attribute | function | F removeaction | |
| setattr | function | F replaceaction | |
| setattribute | function | F restart | |
| setattributes | function | F setaction | |
| setbox | function | F showactions | |
| setfield | function | F table | |
| rulecodes rules D data F define F enable F handler save serialize serializebox set_attribute setattr setattribute setattributes setbox | data table table function function function function function function function function function | F appendaction F disableaction F disablegroup F enableaction F enablegroup F freeze F freezegroup F new F prependaction F removeaction F replaceaction F restart F setaction F showactions | |

| textdir_is_equal | data table | F rule | |
|---------------------|------------|------------------|----------|
| textdir_is_is | data table | F setlist | |
| textdir_is_opposite | data table | F setproperties | |
| textdir_is_parallel | data table | F start | |
| tobasepoints | function | T steppers | |
| tocentimeters | function | F check | |
| tociceros | function | F codes | |
| todidots | function | F features | |
| todimen | function | F font | |
| toinches | function | F glyphs | |
| tomillimeters | function | F message | |
| tonewciceros | function | F messages | |
| tonewdidots | function | F nofsteps | |
| tonode | function | F register | |
| tonodes | function | F reset | |
| tonut | function | F start | |
| topicas | function | F stop | |
| topoints | function | F stop | |
| toscaledpoints | function | T transparencies | |
| tosequence | function | F reset | |
| tostring | function | F set | |
| totable | function | F setlist | |
| totree | function | traverse | function |
| toutf | function | traverse_id | function |
| tracers | table | typesetters | table |
| T characters | | F hpack | |
| F collect | | F tohpack | |
| F equal | | F tohpackfast | |
| F start | | F tonodes | |
| F string | | F tovpack | |
| F unicodes | | F tovpackfast | |
| T colors | | F vpack | |
| F reset | | unprotect_glyphs | function |
| F set | | unset_attribute | function |
| F setlist | | unsetattribute | function |
| F fontchar | | unsetattributes | function |
| T frequencies | | usedlist | function |
| F register | | vianodes | function |
| T pool | | vianuts | function |
| T nodes | | visualizebox | function |
| F rule | | visualizers | table |
| T nuts | | F box | |
| F rule | | F handler | |
| | | F 16 1 | |

F markfonts

F resetproperties

F setfont
F setlayer
F setvisual

vpack function
whatcodes data table
whatsitcodes data table
whatsitters table

T getters

T dimensions

T width

T setters

T dimensions

T width

writable_spec function
write function

number (context)

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

oldtoken (context)

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

os (basic lua)

function __getenv__ function setenv binsuffix string binsuffixes table clock function converttime function function date difftime function env data table exec overloaded function execute overloaded function exit function function fulltime overloaded function getenv gettimeofday function function isleapyear launch function libsuffix string localtime function name string newline string nofdays function now function platform strina overloaded function remove overloaded function rename resolvers table F bits resultof function runtime function selfdir string overloaded function setenv overloaded function setlocale sleep function overloaded function spawn

function

function

function

function function

function

time

times

tmpdir

tmpname today

timezone

type string
uname function
uuid function
validdate function
weekday function
where function
which function

package (basic lua)

| config | string |
|---------------|----------|
| cpath | string |
| extralibpath | function |
| extralibpaths | function |
| extraluapath | function |
| extraluapaths | function |
| helpers | table |
| libpaths | function |
| loaded | table |
| loaders | table |
| loadlib | function |
| luapaths | function |
| path | string |
| preload | table |
| searchpath | function |
| seeall | function |

pagebuilders (context)

injections table

- F flushafter
- F flushbefore
- F save

mixedcolumns table

- F cleanup
- F finalize
- F getlist
- F getrest
- F getsplit
- F setsplit

pdf (basic tex)

| function |
|------------|
| function |
| overloaded |
| function |
| |

setcatalog

setinfo

setcompresslevel

setmajorversion function
setminorversion function
setnames overloads
setobjcompresslevel function
setpageattributes overloads
setpageresources overloads
setpagesattributes overloads
settrailer overloads
setxformattributes function
setxformresources function
xformname function

function
function
overloaded function
overloaded function
overloaded function
overloaded function
overloaded function
function
function
function
function

function

overloaded function

overloaded function

function

pdfscanner (context)

scan function

physics (context)

units table

F registerunit

D tables

profiler (extra lua)

```
pause function
resume function
start function
stop function
```

publications (context)

| addtexentry | function | S author |
|----------------------|------------|--------------|
| analyze | function | T categories |
| anywhere | function | T article |
| authorcache | data table | S category |
| authorcollapsers | data table | T extra |
| authorhashers | table | T fields |
| F invertedshort | | S author |
| F normal | | S editor |
| F normalinverted | | S journal |
| F normalshort | | S keywords |
| F short | | S number |
| authormap | data table | S pages |
| authortoregister | function | S title |
| casters | table | S volume |
| F author | | S year |
| F keyword | | T optional |
| F pagenumber | | T required |
| F range | | T sets |
| checkeddataset | function | T author |
| citevariants | table | T virtual |
| F author | | T book |
| F authornum | | S category |
| F authoryear | | T extra |
| F authoryears | | T fields |
| F category | | S address |
| F default | | S author |
| F entry | | S edition |
| F index | | S editor |
| F keywords | | S keywords |
| F num | | S number |
| F page | | S publisher |
| F short | | S subtitle |
| F tag | | S title |
| F textnum | | S volume |
| F year | | S year |
| collected | data table | T optional |
| components | table | T required |
| F author | | T sets |
| concatstate | function | T author |
| converttoxml | function | T editionset |
| currentspecification | table | T virtual |
| | | |

| T demo-a | T virtualfields | |
|----------------|------------------|------------|
| S category | B authornum | |
| T extra | B authoryear | |
| T fields | B authoryears | |
| S author | B num | |
| S institution | B suffix | |
| S organization | datasets | table |
| S subtitle | detailed | table |
| S title | endnotes_to_btx | function |
| S year | enhancer | table |
| T optional | S arguments | |
| T required | T askip | |
| T sets | B dirty | |
| T author | T gskip | |
| T virtual | T kind | |
| T demo-b | T list | |
| S category | T system | |
| T extra | T order | |
| T fields | enhancers | table |
| S author | F details | |
| S institution | F order | |
| S organization | F suffixes | |
| S subtitle | finder | function |
| S title | firstofrange | function |
| S year | found | function |
| T optional | get | function |
| T required | getcasted | function |
| T sets | getdetail | function |
| T authors | getdirect | function |
| T virtual | getfaster | function |
| S comment | getfield | function |
| S copyright | getfuzzy | function |
| T fields | getindex | function |
| S name | inspectors | data table |
| T types | journals | table |
| S author | F abbreviated | |
| S editor | F add | |
| S keywords | F expanded | |
| S number | F load | |
| S page | F save | |
| S pages | lastofrange | function |
| S volume | lists | table |
| S version | F collectentries | |
| D virtual | F combiinlist | |

| F fetchentries | | okay | function |
|-------------------------|----------------------|---------------------------------|----------|
| F filterall | | oneorrange | function |
| F flushcombi | | parenttag | function |
| F flushentry | | permitted | function |
| T methods | | refman_to_btx | function |
| F dataset | | resolvedname | function |
| F force | | save | function |
| F global | | search | function |
| F local | | setcategory | function |
| F nofregistered | | setspecification | function |
| F prepareentries | | singularorplural | function |
| F register | | sortedentries | function |
| F sameasprevious | | sortmethods | table |
| T sorters | | T authoryear | |
| F cite | | T sequence | |
| F dataset | | specifications | table |
| F default | | T default | |
| F index | | S author | |
| F list | | S comment | |
| F reference | | S copyright | |
| F short | | S name | |
| F used | | S version | |
| F uservariable | | D virtual | |
| listvariants | table | splitauthor | function |
| F default | | splitoneauthor | function |
| F index | | statistics | table |
| F num | | N nofbytes | |
| F page | | N nofdatasets | |
| F short | | N nofdefinitions | |
| F tag | | N nofshortcuts | |
| load | function | tables | table |
| loadbibdata | function | D implicits | |
| loaddefinitionfile | function | D origins | |
| loaders | table | D privates | |
| F bbl | | D sets | |
| F bib | | D specials | |
| F buffer | | D types | |
| F endnote | | D virtuals | |
| F lua | | tags | function |
| F refman | | tracers | table |
| F registercleaner | | F showdatasetauthors | |
| F xml | | F showdatasetcompletene | SS |
| | | | |
| loadreplacementfile new | function function | F showdatasetfields F showentry | |

F showfields

F showhashedauthors

F showtables

F showvariants

typesetters

table

F author

F string

usedataset usedentries writers function
function
table

F author

F keyword

F pagenumber

F range

regimes (context)

```
cleanup function
disable function
enable function
fromregime function
pop function
process function
push function
toregime function
translate function
```

resolvers (context)

| allprefixes | function | findtexfile | function |
|------------------------------|---------------------|-------------------------|------------|
| appendhash | function | findwildcardfile | function |
| automount | function | findwildcardfiles | function |
| automounted | table | formatofsuffix | function |
| booleanvariable | function | formatofyariable | function |
| cacheversion | string | formats | data table |
| checkedvariable | function | generators | data table |
| cleanedpathlist | function | get_from_content | function |
| cleanpath | function | getenv | function |
| cleanpathlist | function | getownpath | function |
| concatinators | data table | getreadfilename | function |
| confighanner | string | hashers | data table |
| criticalvars | data table | homedir | string |
| dangerous | data table | inputstack | table |
| datastate | function | installinputfilehandler | function |
| defaultsuffixes | table | installinputlinehandler | function |
| dowithfilesandreport | function | instance | table |
| dowithfilesintree | function | D data | |
| dowithpath | function | B diskcache | |
| dowithvariable | function | D environment | |
| env | function | D expansions | |
| executers | table | D fakepaths | |
| expandbraces | function | D files | |
| expandedpathfromlist | function | B force_suffixes | |
| expandedpathlist | function | D found | |
| expandedpathlistfromvariable | function | D foundintrees | |
| expandpath | function | D hashed | |
| expandpathfromvariable | function | D hashes | |
| expansion | function | D lists | |
| extendtexmfvariable | function | B loaderror | |
| filtered_from_content | function | D order | |
| find_file | function | D pathlists | |
| find_files | function | T pathstack | |
| findbinfile | function | B remember | |
| findctxfile | function | B renewcache | |
| finders | data table | B renewtree | |
| findfile | function | B savelists | |
| findfiles | function | D setups | |
| findgivenfile | function | D specification | |
| findgivenfiles | function | D variables | |
| findpath | function | jobpath | function |

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

| updatescript | function | |
|--------------------------|------------|--|
| uselibrary | function | |
| usertypes | data table | |
| usezipfile | function | |
| validatedpath | function | |
| variable | function | |
| variableofformat | function | |
| variableofformatorsuffix | function | |
| wildcardpattern | function | |

sandbox (context)

| binaryhandler | function |
|-------------------|----------|
| disablerunners | function |
| enable | function |
| filehandlerone | function |
| filehandlertwo | function |
| finalizer | function |
| initializer | function |
| iohandler | function |
| logcalls | function |
| logfiles | function |
| original | function |
| overload | function |
| possiblepath | function |
| redefine | function |
| register | function |
| registerbinary | function |
| registerroot | function |
| registerrunner | function |
| report | function |
| run | function |
| runhandler | function |
| setfilenamelogger | function |
| setlogger | function |
| setreporter | function |
| settrace | function |
| validfilename | function |
| | |

scripts (context)

autofontfeature table F disable F enable F handler categorytonumber data table colors data table decomposehangul function defaults table N inter_char_half_shrink_factor N inter_char_half_stretch_factor N inter_char_hangul_penalty N inter_char_quarter_shrink_factor N inter_char_quarter_stretch_factor N inter_char_shrink_factor N inter_char_stretch_factor N inter_word_stretch_factor handlers data table table hash injectors data table installdataset function installmethod function numbertocategory data table numbertodataset data table numbertohandler data table function reset function set **splitters** data table

set (context)

contains function
create function
tolist function
tonumber function
totable function

socket (extra lua)

BLOCKSIZE number S connection boolean DEBUG S content-description SETSIZE number S content-disposition bind function S content-encoding function choose S content-id function connect S content-language connect4 function S content-length function connect6 S content-location dns table S content-md5 F getaddrinfo S content-range F gethostname S content-transfer-encoding F getnameinfo S content-type F tohostname S date F toip S diagnostic-code ftp table S dsn-gateway S PASSWORD S etag N PORT S expect N TIMEOUT S expires S USER S final-log-id F command S final-recipient F get S from F open S host F put S if-match gettime function S if-modified-since headers table S if-none-match T canonic S if-range S accept S if-unmodified-since S accept-charset S in-reply-to S accept-encoding S keywords S accept-language S last-attempt-date S accept-ranges S last-modified S action S location S max-forwards S age S allow S message-id S alternate-recipient S mime-version S arrival-date S original-envelope-id S authorization S original-recipient S bcc S pragma S cache-control S proxy-authenticate Scc S proxy-authorization S comments S range

| S recei | ved | sinkt | table |
|-----------------|------------------|------------|----------------------|
| S recei | .ved-from-mta | F close-v | vhen-done |
| S refer | rences | F default | : |
| S refer | rer | F http-ch | nunked |
| S remot | re-mta | F keep-op | oen |
| S reply | v-to | skip | function |
| S repor | ting-mta | sleep | function |
| S reser | rt-bcc | smtp | table |
| S reser | rt-cc | S DOMAIN | |
| S reser | t-date | N PORT | |
| S reser | t-from | S SERVER | |
| S reser | t-message-id | N TIMEOUT | Г |
| S reser | t-reply-to | S ZONE | |
| S reser | t-sender | F message | 2 |
| S reser | t-to | F open | |
| S retry | r-after | F send | |
| S retur | n-path | source | function |
| S sende | | sourcet | table |
| S serve | | F by-leng | |
| | remote-recipient | F default | |
| S statu | | F http-ch | |
| S subje | ect | F until-d | |
| S te | | tcp | function |
| S to | | tcp6 | function |
| S trail | | tp | table |
| | fer-encoding | N TIMEOUT | |
| S upgra | | F connect | |
| S user- | agent | try udp | function function |
| S vary S via | | udp6 | function |
| S warni | ng | url | table |
| | retry-until | F absolut | |
| | nuthenticate | F build | .e |
| S x-mai | | F build_p | nath |
| http | table | F escape | |
| N PORT | | F parse | |
| N TIMEOU | Г | F parse_p | oath |
| S USERAGI | ENT | F unescap | |
| F open | | · | |
| F request | t | | |
| newtry | function | | |
| protect | function | | |
| select | function | | |
| sink | function | | |
| | | | |

sorters (context)

```
basicsorter
                function
                table
comparers
   F basic
                table
constants
   S defaultdigits
   S defaultlanguage
   S defaultmethod
   N digitsmaximum
   N digitsoffset
   N ignoredoffset
   N replacementoffset
   T validmethods
    B ch
    B mc
    B mm
    Врс
    B pm
    B uc
    B zc
    B zm
definitions
                data table
firstofsplit function
packch
                function
                function
packuc
setlanguage
                function
sort
                function
splitters
                table
   F utf
                function
strip
tracers
                data table
update
                function
```

statistics (context)

| function |
|----------|
| function |
| function |
| function |
| function |
| boolean |
| function |
| number |
| function |
| function |
| |

status (basic tex)

list function
resetmessages function

storage (context)

allocate function data table mark function marked function max number min number nofmodules number noftables number register function shared data table storedfunctions data table strip boolean tofmodules number toftables number

streams (context)

```
collect
             function
disable
             function
enable
             function
flush
             function
initialize function
push
             function
start
            function
stop
            function
synchronize function
```

string (basic lua)

| autodouble | function |
|------------------|---------------------|
| autosingle | function |
| booleanstring | function |
| byte | function |
| bytepairs | function |
| bytes | $ \hbox{function} $ |
| char | $ \hbox{function} $ |
| characterpairs | $ \hbox{function} $ |
| characters | $ \hbox{function} $ |
| checkedsplit | $ \hbox{function} $ |
| collapsespaces | $ \hbox{function} $ |
| count | function |
| dump | $ \hbox{function} $ |
| escapedpattern | function |
| explode | function |
| find | $ \hbox{function} $ |
| format | function |
| formatter | function |
| formatters | function |
| fullstrip | function |
| gmatch | function |
| gsub | function |
| is_boolean | function |
| is_empty | function |
| itself | function |
| len | function |
| limit | function |
| longtostring | function |
| lower | function |
| match | function |
| nspaces | table |
| optionalquoted | function |
| quote | function |
| quoted | function |
| rep | function |
| replacenewlines | function |
| reverse | function |
| split | function |
| splitlines | function |
| splitup | function |
| strip | function |

| sub | function |
|---------------|----------|
| tformat | function |
| toHEX | function |
| toboolean | function |
| tobytes | function |
| tocontext | function |
| todec | function |
| todimen | function |
| tohex | function |
| tonodes | function |
| topattern | function |
| totable | function |
| toutf | function |
| tracedchar | function |
| tracedchars | table |
| unquote | function |
| unquoted | function |
| upper | function |
| utfcharacters | function |
| utfvalues | function |
| valid | function |

structures (context)

| atlocation | function | F previous | |
|------------------|----------|----------------------|----------|
| blocks | table | F raw | |
| D collected | | F record | |
| F define | | F reset | |
| F print | | F restart | |
| F save | | F restore | |
| F select | | F save | |
| F setstate | | F set | |
| D states | | F setlevel | |
| D tobesaved | | F setoffset | |
| bookmarks | table | F setown | |
| T extras | | F setstate | |
| F get | | F setvalue | |
| F mergesections | | T specials | |
| F register | | F userpage | |
| F reset | | F subs | |
| F tosections | | D tobesaved | |
| F finalize | | F value | |
| F flatten | | F way | |
| F installhandler | | currentsectionnumber | function |
| F merge | | descriptions | table |
| S method | | documents | table |
| F overload | | D data | |
| F place | | F initialize | |
| F register | | F preset | |
| F setup | | F reset | |
| counters | table | floats | table |
| F add | | formulas | table |
| F analyze | | helpers | table |
| F check | | F analyze | |
| D collected | | F formulanumber | |
| F compact | | F merged | |
| F converted | | F page | |
| F currentvalue | | F prefix | |
| D data | | F prefixlastpage | |
| F define | | F prefixpage | |
| F first | | F simplify | |
| F get | | F title | |
| Flast | | F touserdata | +-61- |
| F next | | inserts | table |
| F prev | | D data | |

| F define | | F savedlistpr | refixednumher |
|-------------------|-------|---------------|----------------|
| F getdata | | F savedlistti | |
| F getlocation | | D sectionbloo | |
| F getname | | F sectionnumb | |
| F getnumber | | F size | , |
| F setlocation | | F title | |
| F setup | | D tobesaved | |
| D stored | | F userdata | |
| itemgroups | table | F uservalue | |
| lists | table | marks | table |
| F addto | tubte | D data | tabte |
| F analyze | | F define | |
| B autoreorder | | F exists | |
| D cached | | F fetch | |
| D collected | | F fetchallmar | -ks |
| F discard | | F fetched | KS |
| F enhance | | F fetchonemar | -k |
| T enhancers | | F fetchtwoman | |
| F filter | | F get | KS |
| F formulanumber | | F number | |
| F getresult | | F relate | |
| F groupindex | | F reset | |
| F hasnumberdata | | F set | |
| F haspagedata | | F show | |
| F hastitledata | | F synchronize | <u> </u> |
| F iscached | | F title | |
| D kinds | | T tracers | |
| F label | | F showtable | |
| F location | | notes | table |
| D names | | F checkpagech | nange |
| F number | | F define | |
| D ordered | | F doifonsamer | pageasprevious |
| F page | | F get | |
| F popnesting | | F getdeltapag | je |
| F prefix | | F getn | |
| F prefixednumber | | F getnumberpa | nge |
| F prefixedpage | | F getstate | |
| F process | | F getsymbolpa | nge |
| D pushed | | F hascontent | |
| F pushnesting | | F internal | |
| F realpage | | F internalid | |
| F reordered | | F listindex | |
| T result | | F ordered | |
| | | 1 Ordered | |
| F savedlistnumber | | F postpone | |

| F resetpostponed | | D | filters |
|---------------------|-------|---|----------------------------------|
| F restore | | D | flaginternals |
| F save | | F | from |
| F setstate | | D | functions |
| F setsymbolpage | | F | get |
| D states | | F | getcurrentmetadata |
| F store | | F | getcurrentprefixspec |
| pages | table | F | getinnermethod |
| F analyze | | F | ${\tt getinternallistreference}$ |
| D collected | | F | getinternalreference |
| F in_body | | D | handlers |
| F is_odd | | F | identify |
| N nofpages | | F | import |
| F number | | F | inject |
| F on_right | | F | injectcurrentset |
| F save | | S | innermethod |
| D tobesaved | | D | internals |
| references | table | F | load |
| F analyze | | F | loadpresets |
| F checkedfile | | F | mark |
| F checkedfileorurl | | D | pages |
| F checkedprogram | | U | prefixsplitter |
| F checkedrealpage | | D | productdata |
| F checkedurl | | T | programs |
| D collected | | | T data |
| U componentsplitter | | | F define |
| F currentmetadata | | | F get |
| F currentorder | | F | realpageofpage |
| D currentset | | U | referencesplitter |
| F define | | D | referred |
| D defined | | F | referredpage |
| D derived | | F | registerfinalizer |
| F enableinteraction | | F | registerinitializer |
| F enhance | | F | registerpage |
| D executers | | F | reportproblems |
| F expandcurrent | | F | reset |
| F export | | D | runners |
| T files | | F | set |
| T data | | F | setandgetattribute |
| F define | | F | setcomponent |
| F found | | F | setinnermethod |
| F get | | F | setinternalreference |
| F filter | | F | setnextinternal |
| F filterdefault | | F | setnextorder |
| | | | |

| F setreferencerealpage | F setmethod | |
|---------------------------------|-----------------------|---|
| D specials | F sort | |
| F splitcomponent | F store | |
| F splitprefix | D tobesaved | |
| F splitreference | F unique | |
| F synchronizepage | F userdata | |
| T testrunners | sections tabl | e |
| F inner | F autodepth | |
| F special | F cct | |
| F special operation | D collected | |
| F special operation with argume | nts F current | |
| T testspecials | F currentblock | |
| F deltapage | F currentid | |
| Fi | F currentlevel | |
| F internal | F currentsectionindex | |
| F page | F depthnumber | |
| F realpage | F finddata | |
| F section | F findnumber | |
| F userpage | F fullnumber | |
| D tobereferred | F getcurrentlevel | |
| D tobesaved | F getlevel | |
| D tracedpages | F getnumber | |
| T urls | F internalreference | |
| T data | D levelmap | |
| F define | D levels | |
| F found | F load | |
| F get | F matchingtilldepth | |
| D usedinternals | F numberatdepth | |
| D usedviews | F numbers | |
| F valid | F popblock | |
| registers table | F prefixedconverted | |
| F analyze | F pushblock | |
| D collected | F register | |
| F compare | D registered | |
| F define | F reportstructure | |
| F enhance | F save | |
| F extend | T sectionblockdata | |
| F filter | T bodypart | |
| F filtercollected | S bookmark | |
| F finalize | F set | |
| F flush | F setblock | |
| F get | F setchecker | |
| F prepare | F setentry | |
| F process | F setinitialblock | |
| | | |

F setlevel D labels F setnumber F last F structuredata F lastinchain F title F locatedtag D tobesaved T patterns U splitter F typesetnumber F userdata D properties B verbose F registermetadata sets table F restart F define F setaspect F get F setattributehash F setcombination F getall D setlist F setfigure specials table F sethighlight D collected F setitem F setitemgroup F retrieve F store F setlist D tobesaved F setnotation synonyms table F setnotationsymbol F analyzed F setproperty D collected F setregister F compare F setsorting F define F setsynonym F filter F settablecell F finalize F settabulatecell F flush F settagdelimitedsymbol F isshown F settagsubsentencesymbol F isused F setupexport F meaning F setuserproperties F prepare D specifications F process F start F register F stop F registershown F strip F registerused D taglist F resetshown T usewithcare F resetused T images F sort F synonym D tobesaved table tags F elementtag F finishexport F getid F handler

table (basic lua)

| allkeys | function | sequenced | function |
|-----------------|----------|----------------------|----------|
| append | function | serialize | function |
| are_equal | function | setmetatablecall | function |
| autokey | function | setmetatableindex | function |
| compact | function | setmetatablekey | function |
| concat | function | setmetatablenewindex | function |
| contains | function | sort | function |
| сору | function | sorted | function |
| count | function | sortedhash | function |
| derive | function | sortedhashkeys | function |
| deserialize | function | sortedhashonly | function |
| drop | function | sortedindexonly | function |
| fastcopy | function | sortedkeys | function |
| fastserialize | function | sortedpairs | function |
| filtered | function | sparse | function |
| flattened | function | strip | function |
| foreach | function | sub | function |
| foreachi | function | swapped | function |
| fromhash | function | tocontext | function |
| getmetatablekey | function | tocsv | function |
| getn | function | tofile | function |
| has_one_entry | function | tohandle | function |
| identical | function | tohash | function |
| imerge | function | toxml | function |
| imerged | function | twowaymapper | function |
| insert | function | unique | function |
| is_empty | function | unnest | function |
| keys | function | unpack | function |
| load | function | values | function |
| loweredkeys | function | | |
| maxn | function | | |
| merge | function | | |
| merged | function | | |
| mirrored | function | | |
| pack | function | | |
| prepend | function | | |
| print | function | | |
| remove | function | | |
| reverse | function | | |
| reversed | function | | |
| save | function | | |

tex (basic tex)

| attribute | table | inicatcodes | number |
|------------------|------------|---------------------|---------------------|
| badness | function | init_rand | function |
| box | table | isattribute | function |
| catcode | table | isbox | function |
| conditionals | data table | iscount | overloaded function |
| constants | data table | isdefined | function |
| count | table | isdimen | overloaded function |
| ctdcatcodes | number | ismuskip | overloaded function |
| ctxcatcodes | number | isskip | overloaded function |
| definefont | function | istoken | function |
| delcode | table | istoks | function |
| dimen | table | lccode | table |
| directives | data table | linebreak | function |
| enableprimitives | function | lists | table |
| error | function | lua_math_random | function |
| extraprimitives | function | lua_math_randomseed | function |
| finish | function | luacatcodes | number |
| fontidentifier | function | mathcode | table |
| fontname | function | modes | data table |
| fprint | function | muskip | table |
| get | function | nest | table |
| getattribute | function | nilcatcodes | number |
| getbox | function | normal_rand | function |
| getcatcode | function | notcatcodes | number |
| getcount | function | number | function |
| getdelcode | function | primitives | function |
| getdelcodes | function | print | function |
| getdimen | function | prtcatcodes | number |
| getlccode | function | romannumeral | function |
| getlist | function | round | function |
| getmath | function | run | function |
| getmathcode | function | saveboxresource | function |
| getmathcodes | function | scale | function |
| getmuskip | function | scantoks | function |
| getnest | function | set | function |
| getsfcode | function | setattribute | function |
| getskip | function | setbox | function |
| gettoks | function | setcatcode | function |
| getuccode | function | setcount | function |
| hashtokens | function | setdelcode | function |
| ifs | data table | setdimen | function |
| | | | |

setlccode function setlist function setmath function setmathcode function setmuskip function setnest function setsfcode function setskip function settoks function setuccode function sfcode table shipout function function show context skip table function sp function sprint data table systemmodes takebox function texcatcodes number table toks tpacatcodes number tpbcatcodes number function tprint data table trackers triggerbuildpage function txtcatcodes number function type table uccode uniform rand function uniformdeviate function uprint function useboxresource function vrbcatcodes number write function

texconfig (basic tex)

error_line number expand depth number formatname string half_error_line number hash_extra number init

overloaded function

kpse init boolean max_in_open number max_print_line number max_strings number nest_size number param_size number save size number shell escape string

stack_size overloaded number

texio (basic tex)

write function
write_nl function

tokens (context)

| astable | function | getters | table |
|------------|----------|-------------|----------|
| bgroup | userdata | F box | |
| bits | table | F count | |
| N active | | F dimen | |
| N alignmen | t | F token | |
| N begingro | up | hbox | userdata |
| N characte | r | istoken | function |
| N close | | letter | function |
| N comment | | letters | function |
| N endgroup | | other | function |
| N endoflin | e | pickup | function |
| N escape | | printlist | function |
| N ignore | | scanners | table |
| N invalid | | F boolean | |
| N letter | | F code | |
| N mathshif | t | F condition | onal |
| N open | | F count | |
| N other | | F dimen | |
| N paramete | r | F dimensio | on |
| N space | | F glue | |
| N subscrip | t | F integer | |
| N superscr | ipt | F keyword | |
| N whitespa | | F list | |
| collectors | table | F lxmlid | |
| T data | | F number | |
| F defaultw | ords | F scanclos | e |
| F dowithwo | rds | F scanoper | ı |
| F flush | | F skip | |
| F install | | F string | |
| F register | | F token | |
| T register | ed | F tokens | |
| F show | | F toks | |
| F test | | F word | |
| compile | function | scantable | function |
| converters | table | setters | table |
| S toboolea | n | F box | |
| S todimen | | F count | |
| S toglue | | F dimen | |
| S tonumber | | F macro | |
| S tostring | | shortcuts | table |
| egroup | userdata | T bits | |

| N active | F lxmlid |
|-------------------|----------------|
| N alignment | F number |
| N begingroup | F scanclose |
| N character | F scanopen |
| N close | F skip |
| N comment | F string |
| N endgroup | F token |
| N endofline | F tokens |
| N escape | F toks |
| N ignore | F word |
| N invalid | F scannumber |
| N letter | F scanopen |
| N mathshift | F scanstring |
| N open | F scanword |
| N other | F toboolean |
| N parameter | F todimen |
| N space | T tokens |
| N subscript | F astable |
| N superscript | U bgroup |
| N whitespace | T collectors |
| N close | F defaultwords |
| F inspect | F dowithwords |
| N open | F flush |
| F report | F install |
| F scanboolean | F register |
| F scanclose | F show |
| F scancode | F test |
| F scanconditional | F compile |
| F scandimen | T converters |
| F scandimension | S toboolean |
| F scaninteger | S todimen |
| F scankeyword | S toglue |
| F scanlist | S tonumber |
| T scanners | S tostring |
| F boolean | U egroup |
| F code | T getters |
| F conditional | F box |
| F count | F count |
| F dimen | F dimen |
| F dimension | F token |
| F glue | U hbox |
| F integer | F istoken |
| F keyword | F letter |
| F list | F letters |
| | |

F other F pickup F printlist F scantable T setters F box F count F dimen F macro T shortcuts N close F inspect N open F report F scanboolean F scanclose F scancode F scanconditional F scandimen F scandimension F scaninteger F scankeyword F scanlist F scannumber F scanopen F scanstring F scanword F toboolean F todimen F tonumber

F tostring
U vbox
U vtop
F tonumber
F tostring

tracers (context)

count function
cs function
dimen function
knownlist function
lists table

T context
T internals
T scratch

name function
primitive function
printerror function
printwarning function
showlines function
strings table

S undefined

toks function
type function

trackers (context)

| data | data tabl | .e |
|----------------|-----------|----|
| default | function | |
| disable | function | |
| dumphashtofile | function | |
| enable | function | |
| list | function | |
| name | string | |
| register | function | |
| report | function | |
| reset | function | |
| savehash | function | |
| show | function | |
| value | function | |

typesetters (context)

| alignments | table | T handlers | |
|------------------|-------|------------------|-------|
| F handler | | F installhandler | |
| F set | | F processmath | |
| breakpoints | table | F set | |
| F define | | F setcolor | |
| F handler | | F setmath | |
| D mapping | | F tomode | |
| T methods | | firstlines | table |
| T numbers | | T actions | |
| F set | | F default | |
| F setreplacement | | Fline | |
| cases | table | F word | |
| T actions | | F handler | |
| F handler | | F set | |
| F register | | initials | table |
| F set | | T actions | |
| characteralign | table | F default | |
| F handler | | F addanchortolin | e |
| F resetcharacter | align | F addtoline | |
| F setcharacteral | ign | F calculatedelta | |
| characters | table | F checkline | |
| F handler | | F handler | |
| T methods | | F moveinline | |
| F replacenbsp | | F normalize | |
| F replacenbspace | s | F set | |
| checkers | table | injectors | table |
| F handler | | F check | |
| F reset | | T list | |
| F set | | F mark | |
| cleaners | table | F reset | |
| F handler | | F set | |
| F set | | F show | |
| digits | table | italics | table |
| T actions | | F forcevariant | |
| F handler | | F handler | |
| F set | | F reset | |
| directions | table | F set | |
| F getfences | | kerns | table |
| F getglobal | | D factors | |
| F getmethod | | F handler | |
| F handler | | F keepligature | |

B keeptogether D mapping F set manipulators table F apply F applyspecification T methods F Word F Words F abbreviatedjournal F expandedjournal F lowercase F stripperiod F uppercase T patterns U list U pair F splitspecification margins table F finalhandler F globalhandler F ha F localhandler F save function marksuspects paragraphs table F addanchortoline F addtoline F calculatedelta F checkline F handler F moveinline F normalize F set table processors F apply F register F reset F split F startapply F stopapply F stripped F tostring showsuspects function

spacings table F define F handler D mapping T numbers T frenchpunctuation T characters S name N number F reset F set F setup table wrappers F handler xtables table F cleanup F construct F create F finish row F flush F initialize construct F initialize_reflow_height F initialize_reflow_width F next_row F reflow height F reflow_width F set_construct F set reflow height F set reflow width

unicode (extra lua)

| ascii | . table | F | len |
|-------|-------------------|------|------------|
| FI | byte | F | lower |
| F | char | F | match |
| | dump | | rep |
| | find | | reverse |
| | format | | sub |
| F | gfind | | upper |
| F | gmatch | utf8 | |
| | gsub | | byte |
| | len | | char |
| | lower | | characters |
| Fı | match | | chrlen |
| | rep | | count |
| F | reverse | F | dump |
| F s | sub | F | filetype |
| | upper | | find |
| graph | ieme table | F | format |
| FI | oyte | F | gfind |
| F | char | F | gmatch |
| F | dump | F | gsub |
| F | find | F | is_valid |
| F | format | F | len |
| F | gfind | F | length |
| F | gmatch | F | lower |
| F | gsub | F | magic |
| F | len | F | match |
| F | lower | F | remapper |
| Fı | match | F | rep |
| F | rep | F | replacer |
| F | reverse | F | reverse |
| F s | sub | F | split |
| F | upper | F | splitlines |
| latir | 1 table | F | sub |
| F | byte | F | subtituter |
| F | char | F | tocodes |
| F | dump | F | toeight |
| F | find | F | toentities |
| F | format | F | tostring |
| F | gfind | F | totable |
| F | gmatch | F | upper |
| F | gsub | F | ustring |
| | | | |

- F utf16_to_utf8_be
- F utf16_to_utf8_be_t
- F utf16_to_utf8_le
- F utf16_to_utf8_le_t
- F utf16_to_utf8_t
- F utf32_to_utf8_be
- F utf32_to_utf8_be_t
- F utf32_to_utf8_le
- F utf32_to_utf8_le_t
- F utf32_to_utf8_t
- F utf8_to_utf16
- F utf8_to_utf16_be
- F utf8_to_utf16_le
- F utf8_to_utf8_t
- F values
- F xstring

url (context)

| addscheme | function |
|-------------|----------|
| barepath | function |
| construct | function |
| escape | function |
| filename | function |
| hashed | function |
| hasscheme | function |
| query | function |
| split | function |
| toquery | function |
| unescapeget | function |

utilities (context)

| dahuaaan | +ahla | D 1 | |
|------------------|-------|--------------------|----------------|
| debugger | table | B alwaysstripcode | |
| F disable | | F compile | |
| F enable | | F loadedluacode | |
| F savestats | | F loadstripped | |
| F showstats | | N nofstrippedbyte | |
| F showtraceback | 4-61- | N nofstrippedchun | KS |
| files | table | B stripcode | |
| F close | | T strippedchunks | |
| F getposition | | F strippedloadstr | ing |
| F look | | T suffixes | |
| F open | | S lua | |
| F read2dot14 | | S luc | |
| F readbyte | | S lui | |
| F readbytes | | S luj | |
| F readcardinal | | S luv | |
| F readcardinal1 | | S tma | |
| F readcardinal2 | | S tmc | |
| F readcardinal3 | | S tua | |
| F readcardinal4 | | S tuc | |
| F readchar | | packers | table |
| F readfixed4 | | F hashed | |
| F readinteger | | F new | |
| F readinteger1 | | F pack | |
| F readinteger2 | | F simplehashed | |
| F readinteger4 | | F strip | |
| F readstring | | F unpack | |
| F readtag | | N version | |
| F setposition | | parsers | table |
| F size | | F add_settings_to | _array |
| F skip | | F arguments_to_tal | ble |
| F skiplong | | F array_to_string | |
| F skipshort | | F csvsplitter | |
| formatters | table | F getparameters | |
| F formatcolumns | | F groupedsplitat | |
| F list | | F hash_to_string | |
| F stripzeros | | F iterator | |
| garbagecollector | table | F keq_to_hash | |
| F check | | F listitem | |
| N criterium | | F make_settings_to | o_hash_pattern |
| B enabled | | F mergehashes | |
| lua | table | F options_to_arra | y |

| F options_to_hash | | F enable | |
|--------------------|---------------|------------------|-------|
| T patterns | | F initialize | |
| U settings_to_ar | rav | Flist | |
| U settings_to_has | | F new | |
| U settings to has | _ | F register | |
| U settings to has | _ | F report | |
| U unittotex | | F reset | |
| F process_stripped | settinas | F show | |
| F rfc4180splitter | 3- | stacker | table |
| F runtime | | F new | |
| F settings_to_arra | у | storage | table |
| F settings_to_arra | y_with_repeat | F allocate | |
| F settings_to_hash | | F checked | |
| F settings_to_hash | _strict | F mark | |
| F settings_to_hash | _tolerant | F marked | |
| F settings_to_set | | F setinitializer | |
| F simple_hash_to_s | tring | F sparse | |
| F splitmethod | | streams | table |
| F splitthousands | | F close | |
| F stepper | | F getposition | |
| F stripped_setting | s_to_array | F look | |
| F unittotex | | F open | |
| F unittoxml | | F read2dot14 | |
| report | function | F readbyte | |
| sequencers | table | F readbytes | |
| F appendaction | | F readcardinal | |
| F appendgroup | | F readcardinal1 | |
| F compile | | F readcardinal2 | |
| F disableaction | | F readcardinal3 | |
| F disablegroup | | F readcardinal4 | |
| F enableaction | | F readchar | |
| F enablegroup | | F readfixed4 | |
| D functions | | F readinteger | |
| F localize | | F readinteger1 | |
| F new | | F readinteger2 | |
| F nodeprocessor | | F readinteger4 | |
| F prependaction | | F readstring | |
| F prependgroup | | F setposition | |
| F removeaction | | F size | |
| F replaceaction | | F skip | |
| F setkind | | F skipbytes | |
| F tostring | | F skiplong | |
| setters | table | F skipshort | |
| F disable | | strings | table |

F collapsecrlf T formatters F add F new F newrepeater F nice T striplinepatterns U collapse U prune U prune and collapse U prune and no empty U retain U retain and collapse U retain and no empty F striplines F striplong F tabtospace T tracers tables table F accesstable F definedtable F definetable F encapsulate F insertaftervalue F insertbeforevalue F migratetable

table

F removevalue F replacevalue

templates

F load

F replace

F replacer

F resolve

vf (context)

```
function
char
down
        function
fontid
        function
image
        function
node
        function
nop
        function
        function
pop
push
        function
right
        function
        function
rule
special function
```

visualizers (context)

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

xml (context)

| addentitiesdoctype | function | D string | |
|----------------------|----------|-------------------------|----------------------|
| after | function | D tex | |
| all | function | D tex D texline | |
| applylpath | function | D textine D texspace | |
| assign | function | D texspace D verbose | |
| attribute | function | defaultprotocol | string |
| badinclusions | function | delete | function |
| before | function | delete_element | function |
| body | function | each | function |
| builtinentities | table | each_element | function function |
| B amp | cance | elements | function |
| в amp В apos | | elementtocdata | function |
| B gt | | empty | function |
| Вlt | | entities | data table |
| B quot | | erase | function |
| cdata | function | errorhandler | function |
| cdatatotext | function | escaped | function |
| checkbom | function | expressions | table |
| checkerror | function | F boolean | cabte |
| checknamespace | function | F child | |
| checkns | function | F contains | |
| cleansed | function | F count | |
| collect | function | F error | |
| collect elements | function | F find | |
| collect tags | function | F idstring | |
| collect texts | function | F lower | |
| collected | function | F name | |
| collecttexts | function | F number | |
| content | function | F oneof | |
| convert | function | F print | |
| сору | function | F quit | |
| count | function | F tag | |
| cprint | function | F text | |
| CSS | table | F undefined | |
| F colorspecification | | F upper | |
| F dimension | | fillin | function |
| F fontspecification | | filter | function |
| F padding | | finalizers | table |
| defaulthandlers | table | F paragraphs | |
| D file | | T tex | |
| D parsedxml | | F all | |
| • | | | |

| F attribute | F position | |
|------------------|----------------------------------|-----------------|
| F chainattribute | F reverse | |
| F command | F table | |
| F concat | F tag | |
| F concatrange | F tags | |
| F context | F text | |
| F count | F texts | |
| F ctxtext | F upperall | |
| F default | first | function |
| F first | found | function |
| F function | functions | table |
| F index | getbuffer | function |
| F last | gethandlers | function |
| F lettered | gethandlersfunction | function |
| F lower | helpers | table |
| F lowerall | F recursetext | |
| F match | include | function |
| F name | inclusion | function |
| F position | inclusions | function |
| F reverse | index | function |
| F stripped | inheritedconvert | function |
| F tag | inject | function |
| F tags | inject_element | function |
| F text | <pre>inject_element_after</pre> | function |
| F upper | <pre>inject_element_before</pre> | function |
| F upperall | injectafter | function |
| T xml | injectbefore | function |
| F all | insert | function |
| F att | insert_element | function |
| F attribute | <pre>insert_element_after</pre> | function |
| F attributes | <pre>insert_element_before</pre> | function |
| F cdata | insertafter | function |
| F chainattribute | insertbefore | function |
| F count | insertcdata | function |
| F default | insertcomment | function |
| F elements | inspect | function |
| F empty | is_valid | function |
| F first | kind | function |
| F function | last | function |
| F index | load | function |
| F last | lpath | function |
| F lowerall | lpathcached | function |
| F match | lpathcalls | function |
| F name | lshow | function |
| | | |

Т

| makestandalone | function | setcomment |
|-------------------------------|---------------------|------------|
| match | function | sethandler |
| name | function | setinjecto |
| newhandlers | function | setpropert |
| nodesettostring | function | settings |
| originalload | function | specialhar |
| package | function | sprint |
| parent | function | string |
| parsedentitylpeg | userdata | strip |
| pihandlers | table | strip_whit |
| F injector | | stripeleme |
| placeholders | table | stripleadi |
| F unknown_any_entity | | table |
| F unknown_dec_entity | | text |
| F unknown_hex_entity | | textonly |
| position | function | texttocdat |
| privatecodes | table | tocdata |
| privatetoken | function | toelement |
| process | function | tostring |
| <pre>process_attributes</pre> | function | totable |
| process_elements | function | toxml |
| processattributes | function | tprint |
| profiled | table | traverse |
| raw | function | unescaped |
| registerentity | function | unprivatiz |
| registerns | function | withelemer |
| reindex | function | withelemer |
| remap_name | function | wrap |
| remap_namespace | function | xmlns |
| remap_tag | function | |
| remapname | function | |
| remapnamespace | function | |
| remaptag | function | |
| renamespace | function | |
| replace | function | |
| replace_element | function | |
| resetinjectors | function | |
| resolvens | function | |
| root | function | |
| save | function | |
| selection | function | |
| separate | function | |
| serialize | function | |
| setcdata | function | |
| | | |

function t rsfunction function ors function function ty function ndler table function function function **function** tespace ent function lingspaces function function function function function ta function function function function function function function function function zed nt function function ents function table

zip (extra lua)

archivestableclosefunctionclosearchivefunction

openarchive function
openfile function
registeredfiles table
type function

zlib (extra lua)

| adler32 | function |
|---------------|----------|
| compress | function |
| compressobj | function |
| crc32 | function |
| decompress | function |
| decompressobj | function |
| version | function |