MP attributes backends bit32 blobs boolean buffers builders caches callbacks catcodes characters chemistry commands containers context converters coroutine ctxrunner debug dir directives document documentdata environment epdf experiments ffi figures file fio floats font fonts functions global graphics gzip img interactions interfaces in job languages layouts lfs libraries lmx logs lpdf lpeg ltn12 lum luatex lxml math mathematics mbox md5 metapost mime moduledata modules mp mplib noads mode nodes number objects os package pagebuilders parametersets pdf pdfscanner physics publications regimes resolvers sandbox scripts set sio socket sorters statistics storage streams string structures table texconditionals texconfin texconstants texifs texisdefined texmodes texsystemmodes thirddata tokens tracers trackers typesetters unicode url userdata utilities vf visualizers xml zip zlib

ConT_EXt MkIV

global (alias: _G)

FFISUPPORTED	function	environment	table
INITEXMODE	boolean	epdf	table
LUATEXCOREVERSION	number	error	function
LUATEXENGINE	string	experiments	table
LUATEXFUNCTIONALITY	number	ffi	table
LUATEXVERSION	number	ffilib	function
MP	table	figures	table
_LUAVERSION	number	file	table
_MAJORVERSION	number	fio	table
_MINORVERSION	number	floats	table
arg	table	font	table
assert	function	fonts	table
attributes	table	frozen	boolean
backends	table	functions	table
bit32	table	getmetatable	function
blobs	table	getpos	function
blockrequire	function	getvpos	function
boolean	table	global	table
buffers	table	<pre>grammar_parsed_text_one_nop</pre>	userdata
builders	table	<pre>grammar_parsed_text_one_yes</pre>	userdata
caches	table	<pre>grammar_parsed_text_two_nop</pre>	userdata
callback	table	<pre>grammar_parsed_text_two_yes</pre>	userdata
callbacks	table	<pre>grammar_unparsed_text_nop</pre>	userdata
catcodes	table	<pre>grammar_unparsed_text_yes</pre>	userdata
characters	table	graphics	table
chemistry	table	gregorian_to_jalali	function
collectgarbage	function	gzip	table
commands	table	img	table
containers	table	inspect	function
context	function	interactions	table
converters	table	interfaces	table
coroutine	table	io	table
ctxrunner	table	ipairs	function
debug	table	jalali_to_gregorian	function
dimen	function	job	table
dir	table	lang	table
directives	table	languages	table
document	table	last	number
documentdata	table	layouts	table
dofile	function	lfs	table
done	boolean	libraries	table

lmx	table	regimes	table
load	function	require	function
loadfile	function	requireswiglib	function
loadstring	function	resolvers	table
logs	table	sandbox	table
lpdf	table	scripts	table
lpeg	table	select	function
ltn12	table	set	table
lua	table	setinspector	function
luatex	table	setmetatable	function
lxml	table	sio	table
math	table	socket	table
mathematics	table	sorters	table
mbox	table	statistics	table
md5	table	status	table
metapost	table	storage	table
mime	table	streams	table
module	function	string	table
moduledata	table	structures	table
modules	table	swiglib	function
mp	function	table	table
mplib	table	tex	table
next	function	texconditionals	data table
noads	table	texconfig	table
node	table	texconstants	data table
nodes	table	texifs	data table
number	table	texio	table
objects	table	texisdefined	function
optionalrequire	function	texmodes	data table
os	table	texsystemmodes	data table
package	table	thirddata	table
pagebuilders	table	toboolean	function
pairs	function	token	table
parametersets	table	tokens	table
pcall	function	tonumber	function
pdf	table	tostring	function
pdfscanner	table	tracers	table
physics	table	trackers	table
print	function	type	function
publications	table	typesetters	table
rawequal	function	unicode	table
rawget	function	unpack	function
rawlen	function	url	table
	-		

function userdata

rawset

table

utf utilities	table table	xml xpcall	table function
v	number	zip	table
vf	table	zlib	table
visualizers	table		

attributes (context)

colorintents table	D models
N attribute	F mpcolor
D data	F mpnamedcolor
F enable	F mpoptions
F handler	F namedcolorattributes
F register	N none
D registered	F popset
colors table	F processcolorcomponents
N attribute	F pushset
Fcmyk	F register
F cmyktogray	D registered
F cmyktorgb	F registerspotcolor
F colorcomponents	F rgb
D counts	F rgbtocmyk
B couple	F rgbtogray
F currentmodel	F rgbtohsv
F currentnamedmodel	N selector
D data	F setlist
N default	F setmodel
F defineintermediatecolor	F setpagecolormodel
F definemultitonecolor	D sets
F defineprocesscolor	F spec
F definesimplegray	F spot
F definespotcolor	F spotcolorname
F definetransparency	F spotcolorparent
F enable	F spotcolorvalue
F filter	B supported
F forcedmodel	F toattributes
F forcesupport	F transparencycomponents
F formatcolor	B triggering
F formatgray	F usecolors
F getpagecolormodel	D valid
F gray	F value
F graytohsv	D values
F handler	B weightgray
F hsvtogray	define function
F hsvtorgb	effects table
F iccprofile	N attribute
F isblack	D data
N main	F enable
S model	F handler

F register N hardlight D registered N hue D values N lighten handlers table N luminosity list data table N multiply names data table N none table negatives N normal N attribute N overlav D data N saturation F enable N screen F handler N softlight F register N none D registered F register F set D registered numbers data table B supported ofnode function F toattribute private function B triggering public function F value restore function D values save function unsetvalue number function viewerlavers table showcurrent states table N attribute F disabletriggering F cleanup F enabletriggering D data F finalize F define F initialize F definedlayoutcomponent F process F enable F selective F forcesupport F stacked F handler B hasorder F stacker function system D listwise transparencies table F register N attribute D registered D data F resolve_begin F resolve_end F enable F forcesupport F resolve reset F handler F resolve_step T names D scopes N color F setfeatures N colorburn F start N colordodge F stop N darken B supported N difference D values N exclusion

backends (context)

F getfieldcategory

codeinjections table F aetfieldset F boxresourcedimensions F getformatoption F registerboxresource F gethpos F restoreboxresource F getmatrix current strina F getoutputfilename defaults table F getpos T codeiniections F getpreviewfigure F gethpos F getvpos F hasmatrix F getmatrix F insertrenderingwindow F getpos F aetypos F mergebookmarks F hasmatrix F mergereferences T nodeinjections F mergeviewerlayers T registrations F prerollreference D tables F presetsymbol included table F presetsymbollist R context F processrendering B date F registerdocumentcloseaction B id F registerdocumentopenaction B metadata F registeredsymbol B pdf F registerpagecloseaction install function F registerpageopenaction nodeinjections table F registersymbol F setfieldcalculationset F restore F save F setfigurealternative F transform F setfigurecolorspace function nothing F setfiguremask pdf table F setformat T codeiniections 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 startunicodetoactualtext F embedfile F startunicodetoactualtextdirect F enabletags F stoplayer F exportformdata F stopunicodetoactualtext F getbookmarks F stopunicodetoactualtextdirect F getdefaultfieldvalue F supportedformats

F unicodetoactualtext

F useviewerlayer F validfield

F validfieldcategory

F validfieldset

S comment

T nodeinjections

F addtags
F annotation
F attachfile

F changestackedlayer

F cmykcolor
F comment
F destination

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
timestamp function

bit32 (basic lua)

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

blobs (context)

append	function	strht	function
dimensions	function	strwd	function
dispose	function	tohpack	function
new	function	tonodes	function
pack	function	tovpack	function
strdp	function	write	function
strhd	function		

boolean (context)

tocontext function
tonumber function

buffers (context)

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

F define

F hassomecontent

F next
F place
F reset
F save

prepend function
raw function
run function
undent function

builders (context)

kernel	table	T registered
F hyphenat	ion	F reset
F kerning		F set
F ligaturi	ing	F split
F mlist_to	_hlist	F start
T original	.s	F stop
F hyphen	ate	F tag
F kernin	g	profiling table
F ligatu	ring	F add
paragraphs	table	F distance
T construc	ctors	F fixedprofile
N attrib	ute	F get
F define		F list
F disabl	e	F pagehandler
F enable		F profilebox
F handle	r	F set
T method	S	vspacing table
F basio	С	F analyze
F defa	ult	D categories
F hpack	k	F collapsevbox
F onel:	ine	T data
D names		D map
D number	S	D skip
F set		D snapmethods
F start		F definesnapmethod
F stop		B fixed
T expansio	on	F pagehandler
F trace		F resetprevdepth
F keeptoge	ether	F setmap
F register	together	F setskip
T solution	ıs	F snapbox
T splitt	ers	F tocategories
F defi	ne	F tocategory
F optin	nize	F vboxhandler

caches (context)

ask	boolean	is_writable	function
base	string	loadcontent	function
collapsecontent	function	loaddata	function
configfiles	function	more	string
contentstate	function	relocate	boolean
defaults	table	savecontent	function
define	function	savedata	function
direct	boolean	setfirstwritablefile	function
force	boolean	setluanames	function
${\tt getfirstreadablefile}$	function	tree	string
getreadablepaths	function	treehash	function
getwritablepath	function	usedpaths	function
hashed	function		

callback (basic tex)

find function
list function

register overloaded function

callbacks (context)

B hyphenate

freeze function B insert local par function known B kerning list data table B ligaturing function gog B linebreak filter function push B mlist to hlist function register B open_read_file report function B post_linebreak_filter supported table B pre dump B append to vlist filter B pre linebreak filter B build page insert B pre output filter B buildpage filter B process input buffer B call edit B process jobname B process output buffer B char exists B contribute filter B process rule B define font B read cidmap file B find_cidmap_file B read_data_file B find_data_file B read_enc_file B read font file B find enc file B find font file B read map file B find_format_file B read_opentype_file B find_image_file B read_pk_file B find map file B read sfd file B find opentype file B read truetype file B find_output_file B read_type1_file B find pk file B read vf file B find read file B show error hook B find_sfd_file B show_error_message B find_truetype_file B show_lua_error_hook B find_type1_file B show warning message B find_vf_file B start file B find_write_file B start_page_number B finish pdffile B start run B finish pdfpage B stop file B finish_synctex_callback B stop page number B glyph_stream_provider B stop_run B hpack_filter B vpack_filter B hpack quality B vpack quality

catcodes (context)

names data table
numbers data table

register function

characters (context)

activeoffset	number	S A	
adobename	function	S A	
bidi	data table	S B	
blockrange	function	S B	
blocks	data table	S B	_
casemap	table	S C	
categories	data table	S C	
category	function	S C	
categorytags	data table	S C	
classifiers	table	S C	
collapsed	table	S C	
S </th <th></th> <th>S D</th> <th></th>		S D	
S =/		S D	
S >/		S D	
S A`		S D	
S A'		S D	
S A^		S D	
S A^`		S E	
S A^′		S E	
S A^~		S E	
S A^'		S E	
S A~		S E	
S A		S E	
S A~		S E	
S A ``		S E	
S A ~ ′		S E	
S A~~		S E	
S A ''		S E	
S A.		S E	
S A · -		S E	
S A"		S E	
S A		S E	
S A'		S E	
S A°		S E	
S A°′		S E	
S A [*]		S E	
S A"		S E	
S A^		S E	
S A.		S E	
S A.^		S E	
S A. ~		S E	^

S E _~	S L_
S F'	S M′
S G′	S M'
S G^	S M.
S G ⁻	S N`
S G	S N′
S G.	S N~
S G [*]	S N.
S G,	S N°
S H^	S N.
S H.	S N,
S H"	S N
S H [*]	S N_
S H.	S 0`
S H,	S 0′
S H _o	S 0 [^]
S I'	S 0^`
S I'	S 0^′
S I^	S 0^~
S I~	S 0^ '
S I	S 0~
S I Č	S 0~′
S I.	S 0~-
S I"	S 0~"
S I"'	S 0 ⁻
S I'	S 0 ⁻ `
S I [*]	S 0 - ′
S I"	S O ̃
S I^	S 0.
SI.	S 0
S I.	S 0"
S I _~	S 0"-
S J^	S 0'
S K'	S 0"
S K [*]	S O°
S K.	S 0"
S K,	S 0^
S K_	S 0,
S L'	S 0.,
S L [*]	S 0.′
S L.	S 0.~
S L	S 0.,
S L.	2 0°.
S L,	S 0.

S 0.^	S U'
S 0.	S U°
S 0	S U"
S P'	S Uř
S P.	S U"
S R′	S U^
S R'	S U,
S R [*]	Z n.,
S R"	S U''
S R^	S U·~
S R.	S N.,
S R _. -	S U'.
S R _s	S $\mathrm{U}_{.}$
S R_	S U
S S′	S U.
S S'.	S U_
S S^	S U _~
S S'	S V~
S S ^v	S V_{\cdot}
S S ^v ·	S W`
S S.	S W′
S S. ·	S W^
S S,	S W.
S S.	S W"
S T	S W.
S T [*]	S X.
S T.	S X"
S T,	S Y`
S T,	S Y'
S T _*	S Y^
S T_	S Y~
S U`	S Y
S U'	S Y.
S U^	S Y"
S U~	S Y'
S U~′	SY.
S U	S Z'
S U-"	S Z^
S U Š	S Z
S U"	S Z [*]
S U"`	SZ.
S U"'	S Z_
S U"-	S a`
S U""	S a′

S a^	S e^
S a^`	S e^`
S a^′	S e^′
S a^~	S e^~
S a^'	S e^ '
S a~	S e~
S a ⁻	S e
S a ̃	S e ⁻ `
S a ``	S e ′
S a ´´	S e ̃
S a ~~	S e˙
S a ``	S e"
S a ·	S e'
S a ^{·-}	S e Č
S a"	S e"
S a	S e^
S a'	S e.
S a°	S e _. ^
S a°′	S e,
S a [*]	S e, ~
S a"	S e.
S a^	S e ̯
S a.	S e _~
S a ^	S f
S a ~ ~	Sg′
S a。	S g^
S a.	S g
S b.	Sg̃
S b.	S g
S b_	S g [*]
S c'	S g,
S c^	S h^
S c'	S h
S c [*]	S h"
S c,	S hř
S c,'	S h.
S d'	S h,
S d [*]	S h _u
S d _.	S h_
S d.	S i`
S d _x	S i'
S d_	S i^
S e`	Si~
S e'	S i

S i ̃	S o ~ ′
S i"	S o~-
Si"'	S o~"
Si'	S o
S i [*]	S o ~ `
S i"	S o - ′
S i^	S o ̃
Si.	S o.
Si.	S o
Si _~	S o"
S j^	S o"-
S j [*]	S o'
S k'	S o"
S k [*]	S o*
S k.	S o"
S k.	S o^
S k_	2 o,
Sl'	2 o.,
S l [*]	S 0''
Sl.	S 0, ~
Sl ₋ -	S 0',
Sl.	2 o.'
S l,	S o.
Sl_	S o.^
S m′	S o.
S m [·]	S o, -
S m.	S p′
S n'	S p.
S n'	S r′
S n~	Sr.
S n'	S r [*]
S n [*]	S r"
S n.	S r^
S n,	Sr.
S n,	Sr.
S n_	Sr,
S o`	Sr_
S o'	S s′
S o [^]	S s′
S o^`	S s^
S o^′	S s
S o^~	S s *
S o^'	S s ··
S o~	Ss.

S s. ·	S w′
S _s ,	S w^
S _s	S w
S t	S w"
S t"	S w°
S t [*]	S w.
St.	S x
St,	S x"
St,	S y`
S t _.	Sy′
St_	S y^
S u`	S y~
S u'	S y
S u^	S y
S u"	S y"
S u~′	S y'
S u	S y°
S u	Sy.
S u ̃	S z′
S u"	S z^
S u"`	Sz.
S u"'	S z ř
S u"-	Sz.
S u""	Sz_
S u'	S "`
S u°	S "′
S u"	S "
S u [*]	S Â`
S u"	SÂ′
S u^	S Â~
S u'	S Â'
S u [*]	Sį
S u·′	SÅ΄
S u·~	SÆ′
S u·'	SÆ ⁻
S u*.	S Ç′
S u.	S Ê`
S u.	S Ê′
S u.	S Ê~
S u,	SÊ'
S u _	SΪ΄
S v~	S Ô`
S v.	S Ô′
S w`	S Ô~

S Ô'	S ă'
S Õ′	S Ē`
S Õ-	S Ē′
S Õ.	S ē`
S Ö⁻	S ē′
S Ø′	S Ō`
S Ü`	S Ō′
S Ü′	S ō`
S Ü⁻	S ō′
S Üř	s ś
S â`	S ś
S â′	S Š
S â~	S š
S â'	S Ũ′
S ä¯	S ű′
S å′	s ū"
S æ′	S ū¨
Sæ¯	S f
S ç′	s o`
S ê`	s oʻ
S ê′	s o~
S ê~	s oʻ
S ê'	s σ _.
S ï′	S o`
S ô`	S oʻ
S ô′	S o~
S ô~	S σ'
S ô'	S σ _.
S ő′	S Ư'
S Õ	S U'
S õ¨	S U"
S ö	S Ư'
S ø′	S U.
S ü`	S u'
S ü′	S ư′
S ü¯	S u"
S ü [*]	S ư'
S Ă`	S u.
S Ă´ S Ă~	S 3°
S A S Ă'	S Q ⁻
S ă`	S ǫ⁻ S Å⁻
S ă´	S à -
S ă [~]	
эа	S Ę̃

S ę̃	S H'
S Ö⁻	S H'`
S ô¯	S H'`
S 3°	S H'′
S "'	S H'′
S A`	S H'
S A'	S H'
S A ⁻	S H'
S A [~]	SH
S A'	S I`
S A'`	SI′
S A'`	SI
S A''	Sľ
S A'´	S I"
S A'	S I'
S A'	S I'`
S A'	S I''
S A'	S I'
S A'`	S I'
S A'`	S I'`
S A''	S I''
S A''	S I'
S A'	S 0`
S A'	S 0'
S A'	S 0'
S A	S 0'`
S E`	S 0''
S E'	S 0'
S E'	S 0'`
S E'`	S 0'′
S E''	S P'
S E'	S Y`
S E'`	S Y'
S E''	S Y
S H'	S Y ̈
S H'	S Y"
S H'	S Y'
S H'`	S Y'`
S H'`	S Y'′
S H''	S Y'
S H''	S Ω`
S H'	S Ω΄
S H'	S Ω'
S H'	S Ω'`

S 0'`	S ε'
S o''	S ε'`
S o''	Sε'′
S Ω'	Sε'
S Q'	S ε'`
S Ω'	S ε'′
S Q'	Sη`
S Ω'`	Sη`
S Ω'`	Sη′
S Q''	Sη′
S Q''	Sη'
S Ω'	S η'`
SΩ'	S η'`
SΩ'	S η'΄
SΩ	S η'′
S ά	Sη'
Sή	Sη
5 α΄	Sη'
5 α`	S η'
Sα΄	S η'`
Sα΄	S η'`
S α ⁻	S η'΄
Sα̈́	S η'΄
S α'	Sη'
S α'`	Sη'
S α'`	Sη'
S α'΄	Sη
S α'΄	Sη
S α'	Sη
S α'	Sι`
ς α'	Sι΄
S α'	Sι¯
ς α'`	Sι
ς α'`	Sι"
Sα'΄	S ι"`
Sα'΄	Sι"′
ς α'	Sι"
ς α'	Sι'
ς α'	S ι'`
S α	Sι'΄
S α	Sι'
S α	Sι'
Sε`	Sι'`
Sε΄	S i'′

Sι'	Sω'′
Sι	S ω'΄
S o`	S ω'
S o'	S ω'
S o'	S ω'
S o'`	S ω
S o''	S ω
S o'	S ω
S o'`	S ϊ`
S o''	Sϊ′
Sρ'	Sϊ
Sρ'	Sΰ`
S υ`	Sΰ′
Sυ′	Sΰ
Sυ	Sώ
Sΰ	SΫ́
Sυ"	S Υ"
S υ"`	S I"
S v"´	SA
S υ"	S A"
Sυ'	SΓ′
S υ'`	S E`
Sυ'΄	SE
Sυ'	S E"
S υ'	S XK~
S υ'`	S Ж
Sυ'′	S 3"
Sυ'	S N`
S υ	S M
S ω`	SӤ́
S ω`	ЅИ"
S ω′	S K′
S ω′	S 0"
S ω'	S Y
S ω'`	SӰ́
S ω'`	ς у"
S ω'΄	Ѕ У″
S ω'΄	S 4"
S ω'	ЅЫ"
S ω'	S Э"
S ω'	Saĭ
S ω'	S a"
Sω'`	SΓ΄
Sω'`	S e`

S	e Č	S
S	e"	S
S	ж [~]	S
S	ж"	S
S	3"	S
S	и`	S
S	и ⁻	S
S	и	S
S	и"	S
S	κ΄	S
S	0"	S
S	y ⁻	S
S	y	S
S	y"	S
S	у″	S
S	ч"	S I
S	ы	S I
S	э"	S I
	i"	'و S
S		'ي S
S	w.	S'
S	ð	S'
S	ə¨	S'
S	θ"	S
S	θ"	S
S		S
S		S
S		S
S		S
S		S
S		S
S		S
S		S
S		S
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S ≥	subscripts	table
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chemistry (context)

<pre>component function</pre>		
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molecule
moleculeparser
start
stop
structures
undefine
function
function
number
function

containers (context)

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

converters (context)

Α	function	cn-c	function
A:es	function	convert	function
A:ru	function	decimals	function
A:sl	function	define	function
AK	function	hexstringtonumber	function
Alphabetic	function	hour	function
Alphabetic:es	function	i	function
Alphabetic:ru	function	isleapyear	function
Alphabetic:sl	function	lchexnumber	function
Character	function	lchexnumbers	function
Characters	function	leapyear	function
I	function	lower	function
KA	function	max	function
KR	function	maxchrs	function
R	function	minute	function
RK	function	month	function
Romannumerals	function	nicenumber	function
Russiannumerals	function	nofdays	function
Sloveniannumerals	function	number	function
Spanishnumerals	function	numbers	function
Word	function	octnumber	function
Words	function	octstringtonumber	function
a	function	ordinal	function
a:es	function	r	function
a:ru	function	rawcharacter	function
a:sl	function	romannumerals	function
abjadnodotnumerals	function	russiannumerals	function
abjadnumerals	function	second	function
alphabetic	function	sequences	data table
alphabetic:es	function	settime	function
alphabetic:ru	function	sloveniannumerals	function
alphabetic:sl	function	spanishnumerals	function
character	function	textime	function
characters	function	toabjad	function
chineseallnumerals	function	tochinese	function
chinesecapnumerals	function	toroman	function
chinesenumerals	function	totime	function
chr	function	uchexnumber	function
chrs	function	uchexnumbers	function
cn	function	upper	function
cn-a	function	verbose	table

D data		word	function
F translate		words	function
weekday	function	year	function

coroutine (basic lua)

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

ctxrunner (context)

load function prepfiles data table
preparedfile function resolve function

debug (basic lua)

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

dir (context)

collectpattern	function
current	function
expandname	function
found	function
glob	function
globdirs	function
globfiles	function

globpattern	function
ls	function
makedirs	function
mkdirs	function
pop	function
push	function

directives (context)

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

document (context)

arguments files functions getargument getfilename options data table table table function function table D modes
D modules

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

T commandline

D environments

D modes
D modules
T ctxfile

D environments

environment (context)

argument	function	luafile	function
arguments	data table	luafilechunk	function
basicengines	data table	luatexengine	string
currentrun	number	luatexfuncitonality	number
default texmfcnf	string	luatexversion	number
- definefilefallback	function	maxnofruns	number
definefilesynonym	function	originalarguments	data table
engineflags	data table	outputfilename	string
filename	string	ownbin	string
files	table	ownmain	string
filesynonyms	data table	ownname	string
forcedruns	number	ownpath	string
getargument	function	prerollrun	boolean
homedir	string	rawarguments	data table
initex	boolean	reconstructcommandline	function
initexmode	boolean	relativepath	function
initializearguments	function	setargument	function
initializefilenames	function	splitarguments	function
inputfilebarename	string	suffix	string
inputfilename	string	texfile	function
inputfilesuffix	string	texmfos	string
jobfilefullname	string	texos	string
jobfilename	string	texroot	string
jobfilesuffix	string	truefilename	function
jobname	string	useluamodule	function
kindofrun	number	usemodules	function
loadexamodes	function	validengines	data table
loadluafile	function	version	string

epdf (extra tex)

Array function
Attribute function
AttributeOwner_Type function
Attribute_Type function
Dict function
Object function

PDFRectangle function
StructElement_Type function
open overload
openMemStream function
type function

function function overloaded function function function

experiments (context)

data	data table	
default	function	
disable	function	
enable	function	
list	function	
name	string	

register function report function reset function show function 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
F check
F checksize
F clone
F copy
F immediatewrite
F keys

F new F node 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 ofindex
F package
F print
F scan
F serialize
F totable
F types
F write
nclude

include includers initialize loaded localpaths magics mergegoodies nofprocessed order paths patterns pop preferguality programs push registerpattern registerresource registersuffix resources scale set setlookups setmemstream setorder setpaths suffixes used

function data table function data table data table data table function number data table data table data table function boolean data table function function function function data table function function function function function function data table data table

file (basic lua)

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

fio (extra lua)

checkpermission	function	readfixed4	function
getposition	function	readinteger1	function
read2dot14	function	readinteger2	function
readbytes	function	readinteger3	function
readbytetable	function	readinteger4	function
readcardinal1	function	readline	function
readcardinal2	function	recordfilename	function
readcardinal3	function	setposition	function
readcardinal4	function	skipposition	function
readfixed2	function		

floats (context)

analysemethod	function	nofstacked	function
${\tt checked page float}$	function	pop	function
collect	function	push	function
consult	function	resave	function
flush	function	save	function
getvariable	function	stacked	function
hasstacked	function		

font (basic tex)

addcharacters	function	id	function
current	function	max	function
define	function	nextid	function
each	function	read_tfm	function
fonts	table	read_vf	function
frozen	function	setexpansion	function
getfont	overloaded function	setfont	function

fonts (context)

analyzers	table	F checkenabled
T features		F clonevector
N blwf		F define
N fin2		T definitions
N fin3		F found
N fina		F prepare
N half		F process
N init		F registermain
N isol		F report
N med2		F reset
N medi		T vectors
N pref		<pre>constructors table</pre>
N pstf		F addcharacters
N rphf		F addcoreunicodes
D initializers		F aftercopyingcharacters
D methods		F applymanipulators
F setstate		F assignmathparameters
T states		B autocleanup
N blwf		F beforecopyingcharacters
N fin2		D cache
N fin3		B cacheintex
N fina		F calculatescale
N half		F checkedfeatures
N init		F checkedfilename
N isol		F cleanuptable
N mark		F collectprocessors
N med2		F currentfonthasfeature
N medi		D designsizes
N pref		D dontembed
N pstf		F enhanceparameters
N rest		T enhancers
N rphf		T afm
B useunicodemarks		F apply
checkers	table	F patch
F getmissing		T patches
F missing		F register
F placeholder cid	table	F report
	table	F register
F getmap F loadfile		F report T otf
collections	table	F addfeature
COLLECTIONS	table	г аодтеатиге

F apply	T otf
F enhance	F addfeature
F patch	F basemodeinitializer
T patches	D cache
F register	F collectlookups
F report	T coverup
F register	T actions
F report	F alternate
T tfm	F chainposition
F apply	F chainsubstitution
F patch	F kern
T patches	F ligature
F register	F multiple
F report	F pair
F register	F single
F report	F substitution
N factor	F register
T features	S stepkey
D afm	F dataset
D otf	F datasetpositionprocessor
D tfm	S defaultbasealternate
F finalize	S defaultnodealternate
F getfeatureaction	D features
F getprivate	F featuresinitializer
T handlers	F featuresprocessor
T afm	F getactualtext
B autoprefixed	F getalternate
D cache	F getgsub
D features	F getkern
F getkern	F getmultiple
T helpdata	F getsubstitution
D bothkerned	T handlers
D leftkerned	F devanagari_remove_joiners
D ligatures	F devanagari_reorder_matras
D rightkerned	F devanagari_reorder_pre_base_reordering_consonants
D texligatures	F devanagari_reorder_reph
F load	F gpos_context
T readers	F gpos_contextchain
F getinfo	F gpos_cursive
F loadfont	F gpos_mark2base
F loadshapes	F gpos_mark2ligature
F setfeatures	F gpos_mark2mark
B syncspace	F gpos_pair
N version	F gpos_single

T gposhandlers F gsub alternate F gsub_context F chainedcontext F gsub_contextchain F context F cursive F gsub ligature F qsub multiple F extension F gsub_reversecontextchain F marktobase F gsub_single F marktoligature F trigger space kerns F marktomark T helpers F pair F blockligatures F single F pardirstate F gsub F txtdirstate T asubhandlers F load F alternate F chainedcontext F loadoutlinedata F loadstreamdata F context F modeinitializer F extension D pdfcache F ligature F multiple F plugininitializer F reversechainedcontextsingle F pluginprocessor T plugins F single T readers F gvar F addunicodetable F head F avar T helpers F cbdt F axistofactors F cblc F cleanname F cff F getaxisscale F cff2 F getfactors F cffcheck F getscales F checkhash F gotodatatable F normalizedaxis F cmap T normalizedaxishash F colr F compact F readvariationdata F cpal F reportskippedtable F ebdt F setvariabledata F hhea F eblc F ebsc F hmtx F hvar F expand F kern F extend F fvar F loadfont F gdef F loadshapes F getcomponents F loca F getinfo F math F glyf F maxp F gpos F mvar

F name F skiplong F os/2 F skipposition F pack F skipshort F parsecharstrings F writebyte F post F writecardinal2 F registerextender F writecardinal4 F rehash F writestring F shix F sva F stat N tableversion T streamreader F unifymissing F close F unpack F getposition F vhea F getsize F vmtx F look F vorg F open F vvar F read2dot14 F woff2otf F readbyte F registerpalette F readbytes F registerplugin F readbytetable F reorderlookups F readcardinal T sbix F readcardinal1 F topdf F readcardinal2 D sbixcache F readcardinal2le B sbixenabled F readcardinal3 F scriptandlanguage F readcardinal3le F setdynamics F readcardinal4 F setfeatures F readcardinal4le T statistics F readchar D usedfeatures F readfixed2 F storepdfdata F readfixed4 T svq F filterglyph F readinteger F readinteger1 F topdf F readinteger2 D sygcache F readinteger2le B sygenabled F readinteger3 T tables F readinteger3le D baselines F readinteger4 D features F readinteger4le D featuretypes F readsignedbyte D languages F readstring D scripts F readtag N version F setposition T pfb F loadvector F size F skip T tfm

F addtounicode	S scriptscriptpercentage
D features	S size
N maxnestingdepth	S slantfactor
N maxnestingsize	S slantperpoint
F reencode	T spacing
F setfeatures	S extra
N version	S shrink
T vf	S stretch
T combinations	S width
F combine	S units
T combiner	S vfactor
D commands	
	S xheight
D helpers	T properties
D math	S autoitalicamount
D predefined	S cidinfo
N version	S embedding
D whatever	S encodingbytes
F hashfeatures	S filename
F hashinstance	S finalized
T hashmethods	S fontname
F normal	S format
F virtual	S fullname
F initializefeatures	S hasitalics
T keys	S hasmath
T characters	S mathitalics
T descriptions	S mode
T parameters	S name
S ascender	S noglyphnames
S descender	S nostackmath
S designsize	S psname
T expansion	S textitalics
S auto	S virtualized
S shrink	D loadedfonts
S step	S namemode
S stretch	N noffontsloaded
S extendfactor	N nofsharedfonts
S factor	N nofsharedhashes
S hfactor	N nofsharedvectors
S mathsize	N privateoffset
T protrusion	D privateslots
S auto	F readanddefine
S quad	F registerfeature
S scaledpoints	F resetfeature
S scriptpercentage	B resolvevirtualtoo

F scale N Becyrillic F scaled N Cdot F setfactor N Checyrillic F setfeature N Decyrillic F setname N Djecyrillic B sharefonts N Dzecyrillic F trvtosharefont N Dzhecvrillic N version N Ecvrillic current function N Edot currentid function N Efcyrillic definers table N Elcvrillic F addlookup N Emcvrillic F analyze N Encyrillic F applypostprocessors N Ercyrillic F checkedmode 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 F loadfont 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 N Kcedilla F name F spec N Khacyrillic function definetypeface N Kjecyrillic encodings table N Lcedilla T agl N Ljecyrillic D ctxcodes N Ncedilla D extras N Njecyrillic D names N Ocyrillic N Odblacute T synonyms N Acyrillic N Ohm

N Pecvrillic N cdot N Rcedilla N compass N Shacyrillic N dagesh N Shchacyrillic N dalet N Softsigncyrillic N daletdagesh N Tcedilla N dalethatafpatah N Tecvrillic N dalethatafpatahhebrew N Tsecyrillic N dalethatafsegol N Tshecyrillic N dalethatafsegolhebrew N Ucyrillic N dalethehrew N Udblacute N dalethiria N Ushortcvrillic N dalethirighebrew N Vecyrillic N daletholam N Yatcyrillic N daletholamhebrew N Yericyrillic N daletpatah N Yicyrillic N daletpatahhebrew N Zdot N daletgamats N Zecyrillic N daletgamatshebrew N Zhecyrillic N daletqubuts N acutecmb N daletqubutshebrew N acvrillic 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 dbllowline N alef N alefmaksurainitialarabic N decimalseparatorarabic N alefmaksuramedialarabic N dialytikatonos N approximatelyequal N dothelowcmb N asteriskaltonearabic N doubleyodpatah N ayin N doubleyodpatahhebrew N bet N edot N betdagesh N eightarabic N blackdownpointingtriangle N eighthnotebeamed N blackleftpointingpointer N etnahtafoukhhebrew N blackrectangle N etnahtafoukhlefthebrew N blackrightpointingpointer N etnahtahebrew N blacksmilingface N fathaarabic N finalkaf N blacksquare N blackuppointingtriangle N finalkafdagesh N bulletinverse N finalkafhebrew

N finalkafgamats N hatafsegolquarterhebrew N finalkafgamatshebrew N he N finalkafsheva N hedagesh N finalmem N hehfinalalttwoarabic N finalnun N het N finalpe N hiriq N finaltsadi N hirial4 N fivearabic N hiria21 N forall N hiriq2d N fourarabic N hirighebrew N acedilla N hirianarrowhebrew N adot N hiriqquarterhebrew N gimel N holam N gimeldagesh N holam19 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 hamzafathatanarabic N integralbottom N hamzalowarabic N integraltop N hamzalowkasraarabic N kaf N hamzalowkasratanarabic N kafdagesh N hatafpatah N kashidaautoarabic N kashidaautonosidebearingarabic N hatafpatah16 N hatafpatah23 N kcedilla N hatafpatah2f N lamed N hatafpatahhebrew N lameddagesh N hatafpatahnarrowhebrew N lamedhebrew N hatafpatahguarterhebrew N lamedholam N hatafqamats N lamedholamdagesh N hatafqamats1b N lamedholamdageshhebrew N hatafgamats28 N laminitialarabic N hatafgamats34 N lammeemjeeminitialarabic N hatafgamatshebrew N lcedilla N hatafgamatsnarrowhebrew 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 nbspace	N qofholamhebrew
N ncedilla	N qofpatah
N newsheqelsign	N qofpatahhebrew
N ninearabic	N qofqamats
N noonhehinitialarabic	N qofqamatshebrew
N nun	N qofqubuts
N nundagesh	N qofqubutshebrew
N odblacute	N qofsegol
N onearabic	N qofsegolhebrew
N overscore	N qofsheva
N patah	N qofshevahebrew
N patah11	N qoftsere
N patahld	N qubuts
N patah2a	N qubuts18
N patahhebrew	N qubuts25
N patahnarrowhebrew	N qubuts31
N patahquarterhebrew	N qubutshebrew
N pe	N qubutsnarrowhebrew
N pedagesh	N qubutsquarterhebrew
N qamats	N quoteleftreversed
N qamats10	N rafe
N qamatsla	N rcedilla
N qamatslc	N reharabic
N qamats27	N resh
N qamats29	N reshhatafpatah
N qamats33	N reshhatafpatahhebrew
N qamatsde	N reshhatafsegol
N qamatshebrew	N reshhatafsegolhebrew
N qamatsnarrowhebrew	N reshhebrew
N qamatsqatanhebrew	N reshhiriq
N qamatsqatannarrowhebrew	N reshhiriqhebrew
N qamatsqatanquarterhebrew	N reshholam
N qamatsqatanwidehebrew	N reshholamhebrew
N qamatsquarterhebrew	N reshpatah
N qof	N reshpatahhebrew
N qofdagesh	N reshqamats
N qofhatafpatah	N reshqamatshebrew
N qofhatafpatahhebrew	N reshqubuts
N qofhatafsegol	N reshqubutshebrew
N qofhatafsegolhebrew	N reshsegol
N qofhebrew	N reshsegolhebrew
N qofhiriq	N reshsheva
N qofhiriqhebrew	N reshshevahebrew
N qofholam	N reshtsere

N reviahebrew	
	N tsere
N samekh	N tsere12
N samekhdagesh	N tserele
N segol	N tsere2b
N segol13	N tserehebrew
N segol1f	N tserenarrowhebrew
N segol2c	N tserequarterhebrew
N segolhebrew	N twoarabic
N segolnarrowhebrew	N udblacute
N segolquarterhebrew	N vav
N sevenarabic	N vavdagesh
N sfthyphen	N vavdagesh65
N shaddaarabic	N vavholam
N sheqel	N yerahbenyomohebrew
N sheva	N yod
N sheval15	N yoddagesh
N sheva15	N zayin
N sheva22	N zayindagesh
N sheva2e	N zdot
N shevahebrew	N zeroarabic
N shevanarrowhebrew	D unicodes
N shevaquarterhebrew	D cache
N shin	T ctxcodes
N shindagesh	N AEacute
N shindageshshindot	N AEligature
N shindageshsindot	N AEmacron
N shinshindot	N Aacute
N shinsindot	N Abreve
N shinsindot N siluqhebrew	
	N Abreve
N siluqhebrew	N Abreve N Abreveacute
N siluqhebrew N sixarabic	N Abreve N Abreveacute N Abrevedotbelow
N siluqhebrew N sixarabic N tav	N Abreve N Abreveacute N Abrevedotbelow N Abrevegrave
N siluqhebrew N sixarabic N tav N tavdages	N Abreve N Abrevedotbelow N Abrevegrave N Abrevehook
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh	N Abreve N Abrevedotbelow N Abrevegrave N Abrevehook N Abrevetilde
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh N tcedilla	N Abreve N Abrevedotbelow N Abrevegrave N Abrevehook N Abrevetilde N Acaron
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh N tcedilla N tchehinitialarabic	N Abreve N Abreveacute N Abrevedotbelow N Abrevegrave N Abrevehook N Abrevetilde N Acaron N Acircumflex
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh N tcedilla N tchehinitialarabic N tet	N Abreve N Abreveacute N Abrevedotbelow N Abrevegrave N Abrevehook N Abrevetilde N Acaron N Acircumflex N Acircumflexacute
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh N tcedilla N tchehinitialarabic N tet N tetdagesh	N Abreve N Abreveacute N Abrevedotbelow N Abrevegrave N Abrevehook N Abrevetilde N Acaron N Acircumflex N Acircumflexacute N Acircumflexdotbelow
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh N tcedilla N tchehinitialarabic N tet N tetdagesh N tevirhebrew	N Abreve N Abreveacute N Abrevedotbelow N Abrevegrave N Abrevehook N Abrevetilde N Acaron N Acircumflex N Acircumflexacute N Acircumflexdotbelow N Acircumflexgrave
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh N tcedilla N tchehinitialarabic N tet N tetdagesh N tevirhebrew N thousandsseparatorarabic	N Abreve N Abreveacute N Abrevedotbelow N Abrevegrave N Abrevetilde N Acaron N Acircumflex N Acircumflexacute N Acircumflexdotbelow N Acircumflexgrave N Acircumflexhook
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh N tcedilla N tchehinitialarabic N tet N tetdagesh N tevirhebrew N thousandsseparatorarabic N threearabic	N Abreve N Abreveacute N Abrevedotbelow N Abrevefrave N Abrevetilde N Acaron N Acircumflex N Acircumflexacute N Acircumflexdotbelow N Acircumflexgrave N Acircumflexhook N Acircumflextilde
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh N tcedilla N tchehinitialarabic N tet N tetdagesh N tevirhebrew N thousandsseparatorarabic N threearabic N tildecmb	N Abreve N Abreveacute N Abrevedotbelow N Abrevefook N Abrevetilde N Acaron N Acircumflex N Acircumflexacute N Acircumflexdotbelow N Acircumflexgrave N Acircumflexgrave N Acircumflexthook N Acircumflextilde N Adiaeresis
N siluqhebrew N sixarabic N tav N tavdages N tavdagesh N tcedilla N tchehinitialarabic N tet N tetdagesh N tevirhebrew N thousandsseparatorarabic N tildecmb N tipehahebrew	N Abreve N Abreveacute N Abrevedotbelow N Abrevedotbelow N Abrevehook N Abrevetilde N Acaron N Acircumflex N Acircumflexacute N Acircumflexdotbelow N Acircumflexgrave N Acircumflexdotbelow

N Adotbelow N Emacron N Adoublegrave N Eogonek N Agrave N Eth N Ahook N Etilde N Ainvertedbreve N Fhook N Gacute N Amacron N Aogonek N Gbreve N Gcaron N Aring N Aringacute N Gcircumflex N Astroke N Gcommaaccent N Atilde N Gdotaccent N Bhook N Ghook N Cacute N Gstroke N Ccaron N Hcaron N Ccedilla N Hcircumflex N Ccircumflex N Hstroke N Cdotaccent N IJligature N Chook N Iacute N Ibreve N Cstroke N DZcaronligature N Icaron N DZligature N Icircumflex N Dafrican N Idiaeresis N Dcaron N Idotaccent N Dhook N Idothelow N Dstroke N Idoublegrave N Dzcaronligature N Igrave N Dzligature N Ihook N Eacute N Iinvertedbreve N Ebreve N Imacron N Ecaron N Iogonek N Ecedilla N Istroke N Fcircumflex N Ttilde N Ecircumflexacute N Jcircumflex N Ecircumflexdotbelow N Kcaron N Ecircumflexgrave N Kcommaaccent N Ecircumflexhook N Khook N Ecircumflextilde N LJligature N Ediaeresis N Lacute N Edotaccent N Lbar N Edotbelow N Lcaron N Edoublegrave N Lcommaaccent N Egrave N Ldotmiddle N Ehook N Ljligature N Einvertedbreve N Lstroke

N NJligature N Rcommaaccent N Nacute N Rdoublegrave N Ncaron N Rinvertedbreve N Ncommaaccent N Sacute N Neng N Scaron N Scedilla N Ngrave N Njligature N Schwa N Ntilde N Scircumflex N OEligature N Scommaaccent N Oacute N Tcaron N Obreve N Tcedilla N Tcommaaccent N Ocaron N Ocircumflex N Thook N Ocircumflexacute N Thorn N Ocircumflexdotbelow N Tstroke N Ocircumflexgrave N Uacute N Ocircumflexhook N Ubreve N Ocircumflextilde N Ucaron N Odiaeresis N Ucircumflex N Udiaeresis N Odiaeresismacron N Odotaccent N Udiaeresisacute N Odotaccentmacron N Udiaeresiscaron N Odotbelow N Udiaeresisgrave N Odoublegrave N Udiaeresismacron N Ograve N Udotbelow N Ohook N Udoublegrave N Ohorn N Ugrave N Ohornacute N Uhook N Ohorndotbelow N Uhorn N Ohorngrave N Uhornacute N Ohornhook N Uhorndotbelow N Ohorntilde N Uhorngrave N Ohungarumlaut N Ilhornhook N Oinvertedbreve N Uhorntilde N Omacron N Uhungarumlaut N Oogonek N Uinvertedbreve N Oogonekmacron N Umacron N Ostroke N Uogonek N Ostrokeacute N Uring N Otilde N Utilde N Otildemacron N Wcircumflex N Phook N Yacute N Racute N Ycircumflex N Rcaron N Ydiaeresis

N Ydotbelow N cacute N Ygrave N carriagereturn N Yhook N ccaron N Ymacron N ccedilla N Ytilde N ccircumflex N Zacute N ccurl N Zcaron N cdotaccent N 7dotaccent N chook N Zhook N copyright N Zstroke N cstroke N aacute N cvrillicA N cyrillicAE N abreve N abreveacute N cyrillicAbreve N abrevedotbelow N cyrillicAdiaeresis N abrevegrave N cyrillicB N abrevehook N cyrillicBIGYUS N abrevetilde N cyrillicBIGYUSiotified N acaron N cyrillicC N acircumflex N cyrillicCH N acircumflexacute N cyrillicCHEDC N acircumflexdotbelow N cyrillicCHEDCabkhasian N acircumflexgrave N cyrillicCHEabkhasian N acircumflexhook N cyrillicCHEdiaeresis N acircumflextilde N cyrillicCHEkhakassian N adiaeresis N cyrillicCHEvertstroke N adiaeresismacron N cyrillicD N adotaccent N cyrillicDASIAPNEUMATA N adotaccentmacron N cyrillicDJE N adotbelow N cyrillicDZE N adoublegrave N cyrillicDZEabkhasian N aeacute N cyrillicDZHE N aeligature N cyrillicE N aemacron N cyrillicELtail N agrave N cyrillicEMtail N ahook N cyrillicENDC N ainvertedbreve N cyrillicENGHE N amacron N cyrillicENhook N aogonek N cyrillicENtail N cyrillicEREV N aring N aringacute N cyrillicERY N atilde N cyrillicERtick N bhook N cyrillicEbreve N breakablethinspace N cyrillicEdiaeresis N bstroke N cyrillicEgrave

N cvrillicEiotified N cvrillicObarred N cyrillicF N cyrillicObarreddiaeresis N cyrillicOdiaeresis N cyrillicFITA N cyrillicG N cyrillicP N cyrillicGHEmidhook N cyrillicPALATALIZATION N cyrillicGHEstroke N cyrillicPALOCHKA N cyrillicGHEupturn N cvrillicPEmidhook N cvrillicGJE N cvrillicPSI N cyrillicH N cyrillicPSILIPNEUMATA N cyrillicHA N cyrillicR N cvrillicHADC N cvrillicS N cvrillicHRDSN N cvrillicSCHWA N cyrillicI N cyrillicSCHWAdiaeresis N cyrillicIE N cyrillicSDSC N cyrillicII N cyrillicSEMISOFT N cyrillicISHRT N cyrillicSFTSN N cyrillicISHRTtail N cyrillicSH N cyrillicIZHITSA N cyrillicSHCH N cyrillicIZHITSAdoublegrave N cyrillicSHHA N cyrillicIdiaeresis N cyrillicT N cyrillicIgrave N cvrillicTEDC N cyrillicImacron N cvrillicTETSE N cyrillicJE N cyrillicTITL0 N cyrillicK N cyrillicTSHE N cyrillicKADC N cyrillicU N cyrillicKAbashkir N cyrillicUK N cyrillicKAhook N cyrillicUSHRT N cyrillicKAstroke N cyrillicUdiaeresis N cyrillicKAvertstroke N cyrillicUdoubleacute N cyrillicKJE N cyrillicUmacron N cyrillicKOPPA N cyrillicV N cyrillicKSI N cyrillicYA N cyrillicL N cyrillicYAT N cyrillicYERUdiaeresis N cyrillicLITTLEYUS N cyrillicLITTLEYUSiotified N cyrillicYI N cyrillicLJE N cyrillicY0 N cyrillicM N cyrillicYU N cyrillicN N cyrillicYstr N cyrillicNJE N cyrillicYstrstroke N cyrillic0 N cyrillicZ N cyrillicOMEGA N cyrillicZDSC N cyrillicZEdiaeresis N cyrillic0MEGAround N cyrillic0MEGAtitlo N cyrillicZH N cyrillicOT N cyrillicZHEbreve

N cvrillicZHEdescender N cvrillicha N cyrillicZHEdiaeresis N cyrillichadc N cyrillichrdsn N cyrillica N cyrillicabreve N cvrillici N cyrillicadiaeresis N cyrillicidiaeresis N cyrillicae N cyrillicie N cvrillicb N cvrilliciarave N cyrillicbigyus N cvrillicii N cyrillicbigyusiotified N cyrillicimacron N cyrillicc N cyrillicishrt N cvrillicch N cvrillicishrttail N cvrilliccheabkhasian N cvrillicizhitsa N cyrillicchedc N cyrillicizhitsadoublegrave N cyrillicchedcabkhasian N cyrillicje N cyrillicchediaeresis N cyrillick N cyrillicchekhakassian N cyrillickabashkir N cyrillicchevertstroke N cyrillickadc N cyrillicd N cyrillickahook N cyrillicdje N cyrillickastroke N cyrillicdze N cyrillickavertstroke N cvrillicdzeabkhasian N cyrillickje N cvrillicdzhe N cyrillickoppa N cyrillice N cyrillicksi N cyrillicebreve N cyrillicl N cyrillicediaeresis N cyrilliclittleyus N cyrillicegrave N cyrilliclittleyusiotified N cyrilliceiotified N cyrilliclje N cyrilliceltail N cyrillicm N cyrillicemtail N cyrillicn N cyrillicendc N cyrillicnje N cyrillicenghe N cyrillico N cyrillicenhook N cyrillicobarred N cyrillicentail N cyrillicobarreddiaeresis N cyrillicerev N cyrillicodiaeresis N cyrillicertick N cyrillicomega N cyrillicery N cyrillicomegaround N cyrillicf N cyrillicomegatitlo N cyrillicfita N cyrillicot N cyrillicg N cyrillicp N cyrillicghemidhook N cyrillicpemidhook N cyrillicghestroke N cyrillicpsi N cyrillicr N cyrillicgheupturn N cyrillicgje N cyrillics

N cyrillicschwa

N cyrillich

N cvrillicschwadiaeresis N dzligature N cyrillicsdsc N eacute N cyrillicsemisoft N ebreve N cyrillicsftsn N ecaron N cyrillicsh N ecedilla N cyrillicshch N ecircumflex N cvrillicshha N ecircumflexacute N cvrillict N ecircumflexdothelow N cyrillictedc N ecircumflexgrave N cyrillictetse N ecircumflexhook N ecircumflextilde N cvrillictshe N cvrillicu N ediaeresis N cyrillicudiaeresis N edotaccent N cyrillicudoubleacute N edotbelow N cyrillicuk N edoublegrave N cyrillicumacron N egrave N cyrillicushrt N ehook N einvertedbreve N cyrillicv N cyrillicya N emacron N cyrillicyat N emdash N cyrillicyerudiaeresis N emspace N cyrillicyi N endash N cyrillicyo N enspace N cyrillicystr N eogonek N cyrillicystrstroke N etilde N cyrillicyu N exclamdown N cyrillicz N ffiligature N cyrilliczdsc N ffligature N cyrilliczediaeresis N fflligature N cyrilliczh N fhook N cyrilliczhebreve N figurespace N cyrilliczhedescender N filigature N cyrilliczhediaeresis N fiveeighths N dcaron N fivesixths N dcurl N flligature N dhook N fourfifths N dotlessI N fourperemspace N dotlessJ N gacute N dotlessi N gbreve N dotlessj N gcaron N dotlessjstroke N gcircumflex N dstroke N gcommaaccent N dtail N gdotaccent

N greekAlpha

N dzcaronligature

N greekAlphadasia N greekEtaiotasubpsili N greekAlphadasiaperispomeni N greekEtaiotasubpsiliperispomeni N greekAlphadasiatonos N greekEtaiotasubpsilitonos N greekAlphadasiavaria N greekEtaiotasubpsilivaria N greekAlphaiotasub N greekEtapsili N greekAlphaiotasubdasia N greekEtapsiliperispomeni N greekAlphaiotasubdasiaperispomeni N greekEtapsilitonos N greekAlphaiotasubdasiatonos N greekEtapsilivaria N greekAlphaiotasubdasiavaria N greekEtatonos N greekAlphaiotasubpsili N greekEtavaria N greekAlphaiotasubpsiliperispomeni N greekGamma N greekAlphaiotasubpsilitonos N greekIota N greekAlphaiotasubpsilivaria N greekIotadasia N greekAlphamacron N greekIotadasiaperispomeni N greekAlphapsili N greekIotadasiatonos N greekAlphapsiliperispomeni N greekIotadasiavaria N greekAlphapsilitonos N greekIotadialytika N greekAlphapsilivaria N greekIotamacron N greekAlphatonos N greekIotapsili N greekAlphavaria N greekIotapsiliperispomeni N greekAlphavrachy N greekIotapsilitonos N greekBeta N greekIotapsilivaria N greekChi N greekIotatonos N greekCoronis N greekIotavaria N greekDelta N greekIotavrachy N greekEpsilon N greekKappa N greekEpsilondasia N greekLambda N greekEpsilondasiatonos N greekMu N greekEpsilondasiavaria N greekNu N greekEpsilonpsili N greekOmega N greekEpsilonpsilitonos N greekOmegadasia N greekEpsilonpsilivaria N greekOmegadasiaperispomeni N greekEpsilontonos N greekOmegadasiatonos N greekEpsilonvaria N greekOmegadasiavaria N greekEta N greekOmegaiotasub N greekEtadasia N greekOmegaiotasubdasia N greekEtadasiaperispomeni N greekOmegaiotasubdasiaperispomeni N greekEtadasiatonos N greekOmegaiotasubdasiatonos N greekOmegaiotasubdasiavaria N greekEtadasiavaria N greekEtaiotasub N greekOmegaiotasubpsili N greekEtaiotasubdasia N greekOmegaiotasubpsiliperispomeni N greekEtaiotasubdasiaperispomeni N greekOmegaiotasubpsilitonos N greekEtaiotasubdasiatonos N greekOmegaiotasubpsilivaria N greekEtaiotasubdasiavaria N greekOmegapsili

N greekOmegapsiliperispomeni N greekalphaiotasubdasiavaria N greekOmegapsilitonos N greekalphaiotasubperispomeni N greekOmegapsilivaria N greekalphaiotasubpsili N greekalphaiotasubpsiliperispomeni N greekOmegatonos N greekOmegavaria N greekalphaiotasubpsilitonos N greekOmicron N greekalphaiotasubpsilivaria N greekOmicrondasia N greekalphaiotasubtonos N greekOmicrondasiatonos N greekalphaiotasubvaria N greekOmicrondasiavaria N greekalphamacron N greekOmicronpsili N greekalphaoxia N areekOmicronpsilitonos N greekalphaperispomeni N greekOmicronpsilivaria N greekalphapsili N greekOmicrontonos N greekalphapsiliperispomeni N greekOmicronvaria N greekalphapsilitonos N areekPhi N greekalphapsilivaria N areekPi N greekalphatonos N areekPsi N greekalphavaria N greekRho N greekalphavrachy N greekRhodasia N greekbeta N greekSigma N greekchi N greekSigmalunate N greekdasia N greekTau N greekdasiaperispomeni N greekTheta N greekdasiatonos N greekUpsilon N greekdasiavaria N greekUpsilondasia N greekdelta N greekUpsilondasiaperispomeni N greekdialytikaperispomeni N greekUpsilondasiatonos N greekdialytikatonos N greekUpsilondasiavaria N greekdialytikavaria N greekUpsilondialytika N greekdigamma N greekUpsilonmacron N greekepsilon N greekUpsilontonos N greekepsilonalt N greekUpsilonvaria N greekepsilondasia N greekUpsilonvrachy N greekepsilondasiatonos N greekXi N greekepsilondasiavaria N greekZeta N greekepsilonoxia N greekalpha N greekepsilonpsili N greekalphadasia N greekepsilonpsilitonos N greekalphadasiaperispomeni N greekepsilonpsilivaria N greekepsilontonos N greekalphadasiatonos N greekalphadasiavaria N greekepsilonvaria N greekalphaiotasub N greeketa N greekalphaiotasubdasia N greeketadasia N greekalphaiotasubdasiaperispomeni N greeketadasiaperispomeni N greekalphaiotasubdasiatonos N greeketadasiatonos

N greeketadasiavaria N greeklambda N greeketaiotasub N greekmu N greeketaiotasubdasia N greeknu N greeknumkoppa N greeketaiotasubdasiaperispomeni N greeketaiotasubdasiatonos N greekomega N greeketaiotasubdasiavaria N greekomegadasia N greeketaiotasubperispomeni N greekomegadasiaperispomeni N greeketaiotasubpsili N greekomegadasiatonos N greeketaiotasubpsiliperispomeni N greekomegadasiavaria N greeketaiotasubpsilitonos N greekomegaiotasub N greeketaiotasubpsilivaria N greekomegaiotasubdasia N greeketaiotasubtonos N greekomegaiotasubdasiaperispomeni N greeketaiotasubvaria N greekomegaiotasubdasiatonos N greeketaoxia N greekomegaiotasubdasiavaria N greeketaperispomeni N greekomegaiotasubperispomeni N greeketapsili N greekomegaiotasubpsili N greeketapsiliperispomeni N greekomegaiotasubpsiliperispomeni N greeketapsilitonos N greekomegaiotasubpsilitonos N greeketapsilivaria N greekomegaiotasubpsilivaria N greeketatonos N greekomegaiotasubtonos N greeketavaria N greekomegaiotasubvaria N greekfinalsigma N greekomegaoxia N greekgamma N greekomegaperispomeni N greekiota N greekomegapsili N greekiotadasia N greekomegapsiliperispomeni N greekiotadasiaperispomeni N greekomegapsilitonos N greekiotadasiatonos N greekomegapsilivaria N greekiotadasiavaria N greekomegatonos N greekiotadialytika N greekomegavaria N greekiotadialytikaperispomeni N greekomicron N greekiotadialytikatonos N greekomicrondasia N greekiotadialytikavaria N greekomicrondasiatonos N greekiotamacron N greekomicrondasiavaria N greekiotaoxia N greekomicronoxia N greekiotaperispomeni N greekomicronpsili N greekiotapsili N greekomicronpsilitonos N greekiotapsiliperispomeni N greekomicronpsilivaria N greekiotapsilitonos N greekomicrontonos N greekiotapsilivaria N greekomicronvaria N greekiotatonos N greekoxia N greekiotavaria N greekperispomeni N greekiotavrachy N greekphi N greekphialt N greekkappa N greekkoppa N greekpi

N hairspace N greekpialt N greekprosgegrammeni N hcaron N greekpsi N hcircumflex N greekpsili N hebrewAlef N greekpsiliperispomeni N hebrewAyin N greekpsilitonos N hebrewBet N greekpsilivaria N hebrewDalet N areekrho N hebrewGimel N greekrhoalt N hehrewHe N greekrhodasia N hehrewHet N hehrewKaf N greekrhopsili N hebrewKaffinal N greeksampi N greeksigma N hebrewLamed N greeksigmalunate N hebrewMem N hebrewMemfinal N greekstigma N greektau N hebrewNun N greektheta N hebrewNunfinal N hehrewPe N greekthetaalt N hebrewPefinal N greektonos N hebrewQof N greekupsilon N greekupsilondasia N hebrewResh N greekupsilondasiaperispomeni N hebrewSamekh N hebrewShin N greekupsilondasiatonos N greekupsilondasiavaria N hebrewTav N greekupsilondiaeresis N hebrewTet N greekupsilondialytikaperispomeni N hebrewTsadi N greekupsilondialytikatonos N hebrewTsadifinal N greekupsilondialytikavaria N hebrewVav N hebrewYod N greekupsilonmacron N greekupsilonoxia N hebrewZayin N greekupsilonperispomeni N hstroke N greekupsilonpsili N iacute N greekupsilonpsiliperispomeni N ibreve N greekupsilonpsilitonos N icaron N greekupsilonpsilivaria N icircumflex N greekupsilontonos N ideographichalffillspace N greekupsilonvaria N ideographicspace N greekupsilonvrachy N idiaeresis N greekvaria N idotaccent N areekxi N idotbelow N greekzeta N idoublegrave N gstroke N igrave N guilsingleleft N ihook N quilsingleright N iinvertedbreve

N ijligature N odotbelow N imacron N odoublegrave N iogonek N oeligature N itilde N ograve N jcaron N ohook N jcircumflex N ohorn N kcaron N ohornacute N kcommaaccent N ohorndotbelow N khook N ohorngrave N kkra N ohornhook N ohorntilde N lacute N lbar N ohungarumlaut N lcaron N oinvertedbreve N lcommaaccent N omacron N lcurl N oneeighth N ldotmiddle N onefifth N leftquillemot N onehalf N ljligature N onequarter N lstroke N onesixth N medspace N onesuperior N nacute N onethird N napostrophe N oogonek N narrownobreakspace N oogonekmacron N ncaron N ordfeminine N ncommaaccent N ordmasculine N ncurl N ostroke N ostrokeacute N neng N ngrave N otilde N njligature N otildemacron N nobreakspace N paragraphmark N ntilde N periodcentered N pacute N perthousand N obreve N phook N ocaron N punctuationspace N ocircumflex N questiondown N ocircumflexacute N quotedbl N ocircumflexdotbelow N quotedblbase N ocircumflexgrave N quotedblleft N ocircumflexhook N quotedblright N ocircumflextilde N quoteleft N odiaeresis N quoteright N odiaeresismacron N quotesingle N odotaccent N quotesinglebase

N racute

N odotaccentmacron

N rcaron N scommaaccent N rcommaaccent N sectionmark N rdoublegrave N seveneighths N registered N sixperemspace N rightquillemot N slong N rinvertedbreve N softhyphen N romanC N ssharp N romanD N stligature N romanI N tcaron N romanII N tcedilla N romanIII N tcommaaccent N romanIV N tcurl N romanIX N textAngstrom N romanL N textacute N romanM N textampersand N romanV N textasciicircum N romanVI N textasciitilde N romanVII N textat N romanVIII N textbackslash N romanX N textbar N romanXI N textbottomcomma N romanXII N textbottomdot N romanc N textbraceleft N romand N textbraceright N romani N textbreve N romanii N textbrokenbar N romaniii N textbullet N romaniv N textcaron N textcedilla N romanix N romanl N textcelsius N romanm N textcent N romany N textcircledP N romanyi N textcircumflex N romanvii N textcomma N romanviii N textcurrency N romanx N textdag N romanxi N textddag N romanxii N textdegree N sacute N textdiaeresis N scaron N textdiv N scedilla N textdollar N schwa N textdong N schwahook N textdotaccent

N textellipsis

N scircumflex

N texteuro N udiaeresisacute N textfraction N udiaeresiscaron N textgrave N udiaeresisgrave N texthash N udiaeresismacron N texthorizontalbar N udotbelow N texthungarumlaut N udoublegrave N texthyphen N ugrave N textkelvin N uhook Nuhorn N textlognot N textmacron N uhornacute N uhorndotbelow N textmho N textminus N uhornarave N textmu N uhornhook N textmultiply N uhorntilde N textnumero N uhungarumlaut N textogonek N uinvertedbreve N textohm N umacron N textounce N uogonek N textpercent N uring N textperiod N utilde N textpm N wcircumflex N textrina N vacute N textslash N ycircumflex N textsterling N ydiaeresis N texttilde N ydotbelow N textunderscore N ygrave N yhook N textyen N thook N ymacron N thorn N ytilde N threeeighths N zacute N threefifths N zcaron N threeperemspace N zdotaccent N threequarter N zerowidthnobreakspace N threesuperior N zerowidthspace N trademark N zhook N tstroke N zstroke N twofifths N zwi N twosuperior N zwnj N twothirds F is known N uacute D known N ubreve F load N ucaron F make_unicode_vector N ucircumflex D math

T names

N udiaeresis

T unicodes	N Bdotaccent
N A	N Bdotbelow
N AE	N Becyrillic
N AEacute	N Benarmenian
N AEmacron	N Beta
N Aacute	N Bhook
N Abreve	N Blinebelow
N Abreveacute	N Bmonospace
N Abrevecyrillic	N Btopbar
N Abrevedotbelow	N C
N Abrevegrave	N Caarmenian
N Abrevehookabove	N Cacute
N Abrevetilde	N Ccaron
N Acaron	N Ccedilla
N Acircle	N Ccedillaacute
N Acircumflex	N Ccircle
N Acircumflexacute	N Ccircumflex
N Acircumflexdotbelow	N Cdot
N Acircumflexgrave	N Cdotaccent
N Acircumflexhookabove	N Chaarmenian
N Acircumflextilde	N Cheabkhasiancyrillic
N Acyrillic	N Checyrillic
N Adblgrave	N Chedescenderabkhasiancyrillic
N Adieresis	N Chedescendercyrillic
N Adieresiscyrillic	N Chedieresiscyrillic
N Adieresismacron	N Cheharmenian
N Adotbelow	N Chekhakassiancyrillic
N Adotmacron	N Cheverticalstrokecyrillic
N Agrave	N Chi
N Ahookabove	N Chook
N Aiecyrillic	N Cmonospace
N Ainvertedbreve	N Coarmenian
N Alpha	N D
N Alphatonos	N DZ
N Amacron	N DZcaron
N Amonospace	N Daarmenian
N Aogonek	N Dafrican
N Aring	N Dcaron
N Aringacute	N Dcedilla
N Aringbelow	N Dcircle
N Atilde	N Dcircumflexbelow
N Aybarmenian	N Dcroat
N B	N Ddotaccent
N Bcircle	N Ddotbelow

N	Decyrillic	N	Elevenroman
N	Deicoptic	N	Emacron
N	Delta	N	Emacronacute
N	Deltagreek	N	Emacrongrave
N	Dhook	N	Emcyrillic
N	Digammagreek	N	Emonospace
N	Djecyrillic	N	Encyrillic
N	Dlinebelow	N	Endescendercyrillic
N	Dmonospace	N	Eng
N	Dslash	N	Enghecyrillic
N	Dtopbar	N	Enhookcyrillic
N	Dz	N	Eogonek
N	Dzcaron	N	Eopen
N	Dzeabkhasiancyrillic	N	Epsilon
N	Dzecyrillic	N	Epsilontonos
N	Dzhecyrillic	N	Ercyrillic
N	E	N	Ereversed
N	Eacute	N	Ereversedcyrillic
N	Ebreve	N	Escyrillic
N	Ecaron	N	Esdescendercyrillic
N	Ecedillabreve	N	Esh
N	Echarmenian	N	Eta
N	Ecircle	N	Etarmenian
N	Ecircumflex	N	Etatonos
N	Ecircumflexacute	N	Eth
N	Ecircumflexbelow	N	Etilde
N	Ecircumflexdotbelow	N	Etildebelow
N	Ecircumflexgrave	N	Euro
N	Ecircumflexhookabove	N	Ezh
N	Ecircumflextilde	N	Ezhcaron
N	Ecyrillic	N	Ezhreversed
N	Edblgrave	N	F
N	Edieresis	N	Fcircle
N	Edot	N	Fdotaccent
N	Edotaccent	N	Feharmenian
N	Edotbelow	N	Feicoptic
N	Efcyrillic	N	Fhook
N	Egrave	N	Fitacyrillic
N	Eharmenian	N	Fiveroman
N	Ehookabove	N	Fmonospace
N	Eightroman	N	Fourroman
N	Einvertedbreve	N	G
N	Eiotifiedcyrillic	N	GBsquare
N	Elcyrillic	N	Gacute

ΝТ N Gamma N Gammaafrican N IAcyrillic N Gangiacoptic N IJ N IUcyrillic N Gbreve N Gcaron N Iacute N Gcedilla N Ibreve N Gcircle N Icaron N Gcircumflex N Trircle N Gcommaaccent N Icircumflex N Gdot N Icyrillic N Gdotaccent N Idblgrave N Gecvrillic N Idieresis N Ghadarmenian N Idieresisacute N Idieresiscyrillic N Ghemiddlehookcyrillic N Ghestrokecyrillic N Idot N Gheupturncyrillic N Idotaccent N Ghook N Idothelow N Gimarmenian N Iebrevecyrillic N Iecyrillic N Gjecyrillic N Gmacron N Ifraktur N Gmonospace N Igrave N Gsmallhook N Ihookabove N Gstroke N Iicyrillic NΗ N Iinvertedbreve N H18533 N Iishortcyrillic N H18543 N Imacron N H18551 N Imacroncyrillic N H22073 N Imonospace N HPsquare N Iniarmenian N Haabkhasiancyrillic N Iocyrillic N Hadescendercyrillic N Iogonek N Hardsigncyrillic N Tota N Hbar N Totaafrican N Hbrevebelow N Iotadieresis N Hcedilla N Iotatonos N Hcircle N Istroke N Hcircumflex N Itilde N Hdieresis N Itildebelow N Hdotaccent N Izhitsacyrillic N Hdotbelow N Izhitsadblgravecyrillic N Hmonospace N J N Hoarmenian N Jaarmenian N Horicoptic N Jcircle N Hzsquare N Jcircumflex

N Jecyrillic N Lj N Jheharmenian N Ljecyrillic N Jmonospace N Llinebelow NK N Lmonospace N KBsquare N Lslash N KKsquare N M N Kabashkircyrillic N MBsquare N Kacute N Macute N Kacyrillic N Mcircle N Kadescendercyrillic N Mdotaccent N Kahookcyrillic N Mdotbelow N Kappa N Menarmenian N Kastrokecyrillic N Mmonospace N Kaverticalstrokecyrillic N Mturned N Kcaron N Mu N Kcedilla NN N Kcircle N N.J N Kcommaaccent N Nacute N Kdotbelow N Ncaron N Keharmenian N Ncedilla N Kenarmenian N Ncircle N Khacyrillic N Ncircumflexbelow N Kheicoptic N Ncommaaccent N Khook N Ndotaccent N Kjecyrillic N Ndothelow N Klinebelow N Nhookleft N Kmonospace N Nineroman N Koppacyrillic N Nj N Koppagreek N Njecyrillic N Ksicyrillic N Nlinebelow NL N Nmonospace N Nowarmenian N I 1 N Lacute N Ntilde N Lambda N Nu N O N Lcaron N Lcedilla N OE N Lcircle N Oacute N Lcircumflexbelow N Obarredcyrillic N Lcommaaccent N Obarreddieresiscyrillic N Ldot N Obreve N Ldotaccent N Ocaron N Ldotbelow N Ocenteredtilde N Ldotbelowmacron N Ocircle N Liwnarmenian N Ocircumflex

N Ocircumflexacute N Otilde N Ocircumflexdotbelow N Otildeacute N Ocircumflexgrave N Otildedieresis ΝP N Ocircumflexhookabove N Ocircumflextilde N Pacute N Ocyrillic N Pcircle N Odblacute N Pdotaccent N Odblarave N Pecvrillic N Odieresis N Peharmenian N Odieresiscyrillic N Pemiddlehookcyrillic N Odotbelow N Phi N Phook N Ograve N Oharmenian N Pi N Ohm N Piwrarmenian N Ohookabove N Pmonospace N Ohorn N Psi N Ohornacute N Psicyrillic N Ohorndotbelow N O N Ocircle N Ohorngrave N Ohornhookabove N Qmonospace N Ohorntilde NR N Ohungarumlaut N Raarmenian N Oi N Racute N Oinvertedbreve N Rearon N Omacron N Rcedilla N Omacronacute N Rcircle N Rcommaaccent N Omacrongrave N Omega N Rdblgrave N Omegacyrillic N Rdotaccent N Omegagreek N Rdotbelow N Omegaroundcyrillic N Rdotbelowmacron N Omegatitlocyrillic N Reharmenian N Omegatonos N Rfraktur N Rho N Omicron N Omicrontonos N Rinvertedbreve N Omonospace N Rlinebelow N Oneroman N Rmonospace N Oogonek N Rsmallinverted N Oogonekmacron N Rsmallinvertedsuperior N Oopen NS N Oslash N SF010000 N Oslashacute N SF020000 N Ostrokeacute N SF030000

N SF040000

N Otcyrillic

N	SF050000	N	SF90000
N	SF060000	N	Sacute
N	SF070000	N	Sacutedotaccent
N	SF080000	N	Sampigreek
N	SF090000	N	Scaron
N	SF10000	N	Scarondotaccent
N	SF100000	N	Scedilla
N	SF110000	N	Schwa
N	SF190000	N	Schwacyrillic
N	SF20000	N	Schwadieresiscyrillic
N	SF200000	N	Scircle
N	SF210000	N	Scircumflex
N	SF220000	N	Scommaaccent
N	SF230000	N	Sdotaccent
N	SF240000	N	Sdotbelow
N	SF250000	N	Sdotbelowdotaccent
N	SF260000	N	Seharmenian
N	SF270000	N	Sevenroman
N	SF280000	N	Shaarmenian
N	SF30000	N	Shacyrillic
N	SF360000	N	Shchacyrillic
N	SF370000	N	Sheicoptic
N	SF380000	N	Shhacyrillic
N	SF390000	N	Shimacoptic
N	SF40000	N	Sigma
N	SF400000	N	Sixroman
N	SF410000	N	Smonospace
N	SF420000	N	Softsigncyrillic
N	SF430000	N	Stigmagreek
N	SF440000	N	Т
N	SF450000	N	Tau
N	SF460000	N	Tbar
N	SF470000	N	Tcaron
N	SF480000	N	Tcedilla
N	SF490000	N	Tcircle
N	SF50000	N	Tcircumflexbelow
N	SF500000	N	Tcommaaccent
N	SF510000	N	Tdotaccent
N	SF520000	N	Tdotbelow
N	SF530000	N	Tecyrillic
N	SF540000	N	Tedescendercyrillic
N	SF60000	N	Tenroman
N	SF70000	N	Tetsecyrillic
N	SF80000	N	Theta

N Thook N Ukcyrillic N Thorn N Umacron N Threeroman N Umacroncyrillic N Tiwnarmenian N Umacrondieresis N Tlinebelow N Umonospace N Tmonospace N Uogonek N Toarmenian N Upsilon N Tonefive N Upsilon1 N Tonesix N Upsilonacutehooksymbolgreek N Tonetwo N Upsilonafrican N Tretroflexhook N Upsilondieresis N Tsecvrillic N Upsilondieresishooksymbolgreek N Tshecyrillic N Upsilonhooksymbol N Twelveroman N Upsilontonos N Tworoman N Uring NU N Ushortcyrillic N Uacute N Ustraightcyrillic N Uhreve N Ustraightstrokecyrillic N Ucaron N Utilde N Ucircle N Utildeacute N Ucircumflex N Utildebelow N Ucircumflexbelow NV N Ucyrillic N Vcircle N Udblacute N Vdotbelow N Udblarave N Vecvrillic N Udieresis N Vewarmenian N Udieresisacute N Vhook N Udieresisbelow N Vmonospace N Udieresiscaron N Voarmenian N Udieresiscyrillic N Vtilde N Udieresisgrave N W N Udieresismacron N Wacute N Udotbelow N Wcircle N Wcircumflex N Ugrave N Wdieresis N Uhookabove N Uhorn N Wdotaccent N Wdotbelow N Uhornacute N Uhorndotbelow N Wgrave N Uhorngrave N Wmonospace N Uhornhookabove NX N Uhorntilde N Xcircle N Uhungarumlaut N Xdieresis N Uhungarumlautcyrillic N Xdotaccent N Uinvertedbreve N Xeharmenian

N Xi N Zstroke N Xmonospace Na NY N aabengali N Yacute N aacute N Yatcyrillic N aadeva N Ycircle N aagujarati N Ycircumflex N aagurmukhi N Ydieresis N aamatragurmukhi N Ydotaccent N aarusquare N Ydotbelow N aavowelsignbengali N Yericvrillic N aavowelsigndeva N Yerudieresiscyrillic N aavowelsigngujarati N Ygrave N abbreviationmarkarmenian N Yhook N abbreviationsigndeva N Yhookabove N abengali N Yiarmenian N abopomofo N Yicyrillic N abreve N Yiwnarmenian N abreveacute N Ymonospace N abrevecyrillic N Ytilde N abrevedotbelow N Yusbigcyrillic N abrevegrave N Yusbigiotifiedcyrillic N abrevehookabove N Yuslittlecyrillic N abrevetilde N Yuslittleiotifiedcyrillic N acaron N 7 N acircle N Zaarmenian N acircumflex N acircumflexacute N Zacute N Zcaron N acircumflexdotbelow N Zcircle N acircumflexgrave N Zcircumflex N acircumflexhookabove N Zdot N acircumflextilde N 7dotaccent N acute N Zdotbelow N acutebelowcmb N acutecmb N Zecyrillic N Zedescendercyrillic N acutecomb N Zedieresiscyrillic N acutedeva N acutelowmod N Zeta N Zhearmenian N acutetonecmb N Zhebrevecyrillic N acyrillic N Zhecyrillic N adblgrave N Zhedescendercyrillic N addakgurmukhi N Zhedieresiscyrillic N adeva N Zlinebelow N adieresis

N adieresiscyrillic

N Zmonospace

N	adieresismacron	N	afii10052
N	adotbelow	N	afii10053
N	adotmacron	N	afii10054
N	ae	N	afii10055
N	aeacute	N	afii10056
N	aekorean	N	afii10057
N	aemacron		afii10058
N	afii00208	N	afii10059
N	afii08941	N	afii10060
N	afii10017	N	afii10061
N	afii10018	N	afii10062
N	afii10019	N	afii10065
N	afii10020	N	afii10066
N	afii10021	N	afii10067
N	afii10022	N	afii10068
N	afii10023	N	afii10069
N	afii10024	N	afii10070
N	afii10025	N	afii10071
N	afii10026	N	afii10072
N	afii10027	N	afii10073
N	afii10028	N	afii10074
N	afii10029	N	afii10075
N	afii10030	N	afii10076
N	afii10031	N	afii10077
N	afii10032	N	afii10078
N	afii10033	N	afii10079
N	afii10034	N	afii10080
N	afii10035	N	afii10081
N	afii10036	N	afii10082
N	afii10037	N	afii10083
N	afii10038	N	afii10084
N	afii10039	N	afii10085
N	afii10040	N	afii10086
N	afii10041	N	afii10087
N	afii10042	N	afii10088
N	afii10043	N	afii10089
N	afii10044	N	afii10090
N	afii10045	N	afii10091
N	afii10046	N	afii10092
N	afii10047	N	afii10093
N	afii10048	N	afii10094
N	afii10049	N	afii10095
N	afii10050	N	afii10096
N	afii10051	N	afii10097

N afii10098	N afii57413
N afii10099	N afii57414
N afii10100	N afii57415
N afii10101	N afii57416
N afii10102	N afii57417
N afii10103	N afii57418
N afii10104	N afii57419
N afii10105	N afii57420
N afii10106	N afii57421
N afii10107	N afii57422
N afii10108	N afii57423
N afii10109	N afii57424
N afii10110	N afii57425
N afii10145	N afii57426
N afii10146	N afii57427
N afii10147	N afii57428
N afii10148	N afii57429
N afii10193	N afii57430
N afii10194	N afii57431
N afii10195	N afii57432
N afii10196	N afii57433
N afii10846	N afii57434
N afii208	N afii57440
N afii299	N afii57441
N afii300	N afii57442
N afii301	N afii57443
N afii57381	N afii57444
N afii57388	N afii57445
N afii57392	N afii57446
N afii57393	N afii57448
N afii57394	N afii57449
N afii57395	N afii57450
N afii57396	N afii57451
N afii57397	N afii57452
N afii57398	N afii57453
N afii57399	N afii57454
N afii57400	N afii57455
N afii57401	N afii57456
N afii57403	N afii57457
N afii57407	N afii57458
N afii57409	N afii57470
N afii57410	N afii57505
N afii57411	N afii57506
N afii57412	N afii57507

N	afii57508	N	afii57718
N	afii57509	N	afii57723
N	afii57511	N	afii57793
N	afii57512	N	afii57794
N	afii57513	N	afii57795
N	afii57514	N	afii57796
N	afii57519	N	afii57797
N	afii57534	N	afii57798
N	afii57636	N	afii57799
N	afii57645	N	afii57800
N	afii57658	N	afii57801
N	afii57664	N	afii57802
N	afii57665	N	afii57803
N	afii57666	N	afii57804
N	afii57667	N	afii57806
N	afii57668	N	afii57807
N	afii57669	N	afii57839
N	afii57670	N	afii57841
N	afii57671	N	afii57842
N	afii57672	N	afii57929
N	afii57673	N	afii61248
N	afii57674	N	afii61289
N	afii57675	N	afii61352
N	afii57676	N	afii61573
N	afii57677	N	afii61574
N	afii57678	N	afii61575
N	afii57679	N	afii61664
N	afii57680	N	afii63167
N	afii57681	N	afii64937
N	afii57682	N	agrave
N	afii57683	N	agujarati
N	afii57684	N	agurmukhi
N	afii57685	N	ahiragana
N	afii57686	N	ahookabove
N	afii57687	N	aibengali
N	afii57688	N	aibopomofo
N	afii57689	N	aideva
N	afii57690	N	aiecyrillic
N	afii57694	N	aigujarati
N	afii57695	N	aigurmukhi
N	afii57700	N	aimatragurmukhi
N	afii57705	N	ainarabic
N	afii57716	N	ainfinalarabic
N	afii57717	N	aininitialarabic

N ainmedialarabic N angleright N ainvertedbreve N angstrom N aivowelsignbengali N anoteleia N aivowelsigndeva N anudattadeva N aivowelsigngujarati N anusvarabengali N akatakana N anusvaradeva N akatakanahalfwidth N anusvaragujarati N akorean N aogonek Nalef N apaatosquare N alefarabic N aparen N alefdageshhebrew N apostrophearmenian N aleffinalarabic N apostrophemod N alefhamzaabovearabic N apple N alefhamzaabovefinalarabic N approaches N alefhamzabelowarabic N approxequal N alefhamzabelowfinalarabic N approxequalorimage N alefhebrew N approximatelyequal N aleflamedhebrew N araeaekorean N alefmaddaabovearabic N araeakorean N alefmaddaabovefinalarabic N arc N alefmaksuraarabic N arighthalfring N alefmaksurafinalarabic N aring N alefmaksurainitialarabic N aringacute N alefmaksuramedialarabic N aringbelow N alefpatahhebrew N arrowboth N alefgamatshebrew N arrowdashdown N aleph N arrowdashleft N allequal N arrowdashright N alpha N arrowdashup N alphatonos N arrowdblboth N amacron N arrowdbldown N amonospace N arrowdblleft N ampersand N arrowdblright N arrowdblup N ampersandmonospace N arrowdown N amsquare N anbopomofo N arrowdownleft N angbopomofo N arrowdownright N arrowdownwhite

N angkhankhuthai N arrowdownwhite
N angle N arrowheaddownmod
N anglebracketleft N arrowheadleftmod
N anglebracketleftvertical N arrowheadleftmod
N anglebracketright N arrowheadupmod
N anglebracketrightvertical N arrowleft
N angleleft N arrowleftdbl

N arrowleftdblstroke N augurmukhi N arrowleftoverright N aulengthmarkbengali N arrowleftwhite N aumatragurmukhi N arrowright N auvowelsignbengali N arrowrightdblstroke N auvowelsigndeva N arrowrightheavy N auvowelsigngujarati N arrowrightoverleft N avagrahadeva N arrowrightwhite N avbarmenian N arrowtableft N ayin N arrowtabright N ayinaltonehebrew N arrowup N avinhebrew N b N arrowupdn N arrowupdnbse N babengali N arrowupdownbase N backslash N arrowupleft N backslashmonospace N arrowupleftofdown N badeva N arrowupright N baqujarati N arrowupwhite N bagurmukhi N asciicircum N bahiragana N asciicircummonospace N bahtthai N asciitilde N bakatakana N asciitildemonospace N bar N ascript N barmonospace N ascriptturned N bbopomofo N asmallhiragana N bcircle N asmallkatakana N bdotaccent N asmallkatakanahalfwidth N bdotbelow N asterisk N beamedsixteenthnotes N asteriskaltonearabic N because N asteriskarabic N becyrillic N asteriskmath N beharabic N asteriskmonospace N behfinalarabic N asterisksmall N behinitialarabic N behiragana N asterism N behmedialarabic N asymptoticallyequal N at N behmeeminitialarabic N behmeemisolatedarabic N atilde N behnoonfinalarabic N atmonospace N atsmall N bekatakana N aturned N benarmenian N aubengali N bet N aubopomofo N beta

N betasymbolgreek

N betdagesh

N audeva

N augujarati

N betdageshhebrew N braceleft N bethebrew N braceleftmonospace N betrafehebrew N braceleftsmall N braceleftvertical N bhabengali N bhadeva N braceright N bhaqujarati N bracerightmonospace N bhagurmukhi N bracerightsmall N bhook N bracerightvertical N bihiragana N bracketleft N hikatakana N bracketleftmonospace N bilabialclick N bracketright N bindiaurmukhi N bracketrightmonospace N birusquare N breve N blackcircle N brevebelowcmb N blackdiamond N brevecmb N blackdownpointingtriangle N breveinvertedbelowcmb N blackleftpointingpointer N breveinvertedcmb N breveinverteddoublecmb N blackleftpointingtriangle N blacklenticularbracketleft N bridgebelowcmb N blacklenticularbracketleftvertical N bridgeinvertedbelowcmb N blacklenticularbracketright N brokenbar N blacklenticularbracketrightvertical N bstroke N blacklowerlefttriangle N btopbar N blacklowerrighttriangle N buhiragana N blackrectangle N bukatakana N blackrightpointingpointer N bullet N bulletinverse N blackrightpointingtriangle N blacksmallsquare N bulletoperator N blacksmilingface N bullseye N blacksquare N c N blackstar N caarmenian N blackupperlefttriangle N cabengali N blackupperrighttriangle N cacute N blackuppointingsmalltriangle N cadeva N blackuppointingtriangle N caquiarati N blank N cagurmukhi N blinebelow N calsquare N block N candrabindubengali N bmonospace N candrabinducmb N bobaimaithai N candrabindudeva N bohiragana N candrabindugujarati N bokatakana N capslock N bparen N careof

N caron

N bgsguare

N caronbelowcmb N cieucacirclekorean N caronemb N cieucaparenkorean N carriagereturn N cieuccirclekorean N cbopomofo N cieuckorean N ccaron N cieucparenkorean N ccedilla N cieucuparenkorean N ccedillaacute N circle N ccircle N circlemultiply N ccircumflex N circleot N ccurl N circleplus N cdot N circlepostalmark N cdotaccent N circlewithlefthalfblack N cdsquare N circlewithrighthalfblack N cedilla N circumflex N cedillacmb N circumflexbelowcmb N cent N circumflexcmb N centigrade N clear N clickalveolar N centmonospace N clickdental N chaarmenian N clicklateral N chabengali N chadeva N clickretroflex N chagujarati N club N chagurmukhi N clubsuitblack N chbopomofo N clubsuitwhite N cheabkhasiancvrillic N cmcubedsquare N checkmark N cmonospace N checyrillic N cmsquaredsquare N chedescenderabkhasiancyrillic N coarmenian N chedescendercyrillic N colon N chedieresiscyrillic N colonmonetary N cheharmenian N colonmonospace N chekhakassiancyrillic N colonsign N cheverticalstrokecyrillic N colonsmall N colontriangularhalfmod N chi N chieuchacirclekorean N colontriangularmod N chieuchaparenkorean N comma N chieuchcirclekorean N commaabovecmb N chieuchkorean N commaaboverightcmb N chieuchparenkorean N commaarabic N chochangthai N commaarmenian N chochanthai N commamonospace N chochingthai N commareversedabovecmb N chochoethai N commareversedmod N chook N commasmall

N	commaturnedabovecmb	N	cornerbracketrightvertical
	commaturnedmod		corporationsquare
	compass		cosquare
	congruent		coverkgsquare
	contourintegral		cparen
	control		cruzeiro
N	controlACK	N	cstretched
N	controlBEL	N	curlyand
N	controlBS		curlyor
N	controlCAN		currency
N	controlCR	N	d
N	controlDC1	N	daarmenian
N	controlDC2	N	dabengali
N	controlDC3	N	dadarabic
N	controlDC4	N	dadeva
N	controlDEL	N	dadfinalarabic
N	controlDLE	N	dadinitialarabic
N	controlEM	N	dadmedialarabic
N	controlENQ	N	dagesh
N	controlEOT	N	dageshhebrew
N	controlESC	N	dagger
N	controlETB	N	daggerdbl
N	controlETX	N	dagujarati
N	controlFF	N	dagurmukhi
N	controlFS	N	dahiragana
N	controlGS	N	dakatakana
N	controlHT	N	dalarabic
N	controlLF	N	dalet
N	controlNAK	N	daletdagesh
N	controlRS	N	daletdageshhebrew
N	controlSI	N	dalethatafpatah
N	controlSO	N	dalethatafpatahhebrew
N	controlSOT	N	dalethatafsegol
N	controlSTX	N	dalethatafsegolhebrew
N	controlSUB	N	dalethebrew
N	controlSYN	N	dalethiriq
N	controlUS	N	dalethiriqhebrew
N	controlVT	N	daletholam
N	copyright	N	daletholamhebrew
N	cornerbracketleft	N	daletpatah
N	cornerbracketlefthalfwidth	N	daletpatahhebrew
N	cornerbracketleftvertical	N	daletqamats
N	cornerbracketright	N	daletqamatshebrew
N	cornerbracketrighthalfwidth	N	daletqubuts

N ddalfinalarabic N daletqubutshebrew N daletsegol N dddhadeva N daletsegolhebrew N ddhabengali N daletsheva N ddhadeva N daletshevahebrew N ddhagujarati N dalettsere N ddhagurmukhi N dalettserehebrew N ddotaccent N dalfinalarabic N ddothelow N dammaarahic N decimalseparatorarabic N dammalowarahic N decimalseparatorpersian N dammatanaltonearabic N decyrillic N dammatanarabic N dearee N danda N dehihebrew N dargahebrew N dehiragana N dargalefthebrew N deicoptic N dasiapneumatacyrilliccmb N dekatakana N dblanglebracketleft N deleteleft N dblanglebracketleftvertical N deleteright N dblanglebracketright N delta N dblanglebracketrightvertical N deltaturned N dblarchinvertedbelowcmb N denominatorminusonenumeratorbengali N dblarrowleft N dezh N dblarrowright N dhabengali N dbldanda N dhadeva N dblgravecmb N dhagujarati N dblintegral N dhagurmukhi N dbllowline N dhook N dbllowlinecmb N dialytikatonos N dbloverlinecmb N dialytikatonoscmb N dblprimemod N diamond N dblverticalbar N diamondsuitwhite N dblverticallineabovecmb N dieresis N dbopomofo N dieresishelowcmb N dieresiscmb N dbsquare N dieresistonos N dcaron N dcedilla N dihiragana N dcircle N dikatakana N dcircumflexbelow N dittomark N dcroat N divide N ddabengali N divides N ddadeva N divisionslash N djecyrillic N ddagujarati N ddagurmukhi N dkshade N ddalarabic N dlinebelow

N dlsquare N ehreve N dmacron N ecandradeva N dmonospace N ecandragujarati N dnblock N ecandravowelsigndeva N dochadathai N ecandravowelsigngujarati N dodekthai N ecaron N dohiragana N ecedillabreve N dokatakana N echarmenian N dollar N echyiwnarmenian N dollarmonospace N ecircle N ecircumflex N dollarsmall N ecircumflexacute N dona N dorusquare N ecircumflexbelow N dotaccent N ecircumflexdotbelow N dotaccentcmb N ecircumflexgrave N ecircumflexhookabove N dotbelowcmb N dotbelowcomb N ecircumflextilde N dotkatakana N ecyrillic N dotlessi N edblgrave N dotlessi N edeva N dotlessistrokehook N edieresis N dotmath N edot N dottedcircle N edotaccent N doubleyodpatah N edotbelow N doubleyodpatahhebrew N eegurmukhi N downtackbelowcmb N eematragurmukhi N downtackmod N efcyrillic N dparen N egrave N dtail N egujarati N dtopbar N eharmenian N duhiragana N ehbopomofo N dukatakana N ehiragana N dz N ehookabove N dzaltone N eibopomofo N dzcaron N eight N dzcurl N eightarabic N dzeabkhasiancyrillic N eightbengali N dzecyrillic N eightcircle N dzhecyrillic N eightcircleinversesansserif Νe N eightdeva N eacute N eighteencircle N earth N eighteenparen N ebengali N eighteenperiod

N eightgujarati

N ebopomofo

N eightaurmukhi N enhookcyrillic N eighthackarabic N enspace N eighthangzhou N eogonek N eighthnotebeamed N eokorean N eightideographicparen N eopen N eightinferior N eopenclosed N eightmonospace N eopenreversed N eightparen N eopenreversedclosed N eightperiod N eopenreversedhook N eightpersian N eparen N eightroman N epsilon N eightsuperior N epsilontonos N eightthai N equal N einvertedbreve N equalmonospace N eiotifiedcyrillic N equalsmall N ekatakana N equalsuperior N ekatakanahalfwidth N equivalence N ekonkargurmukhi N erbopomofo N ekorean N ercyrillic N elcyrillic N ereversed N element N ereversedcyrillic N elevencircle N escyrillic N elevenparen N esdescendercyrillic N elevenperiod N esh N elevenroman N eshcurl N ellipsis N eshortdeva N ellipsisvertical N eshortvowelsigndeva N emacron N eshreversedloop N emacronacute N eshsquatreversed N emacrongrave N esmallhiragana N emcyrillic N esmallkatakana N emdash N esmallkatakanahalfwidth N emdashvertical N estimated N emonospace N eta N etarmenian N emphasismarkarmenian N emptyset N etatonos N enbopomofo N eth N etilde N encyrillic N endash N etildebelow N endashvertical N etnahtafoukhhebrew N endescendercyrillic N etnahtafoukhlefthebrew N etnahtahebrew N eng

previous 110 next

N engbopomofo
N enghecyrillic

N etnahtalefthebrew

N eturned

N eukorean N finalkafdagesh N euro N finalkafdageshhebrew N evowelsignbengali N finalkafhebrew N evowelsigndeva N finalkafgamats N evowelsigngujarati N finalkafgamatshebrew N exclam N finalkafsheva N exclamarmenian N finalkafshevahebrew N exclamdbl N finalmem N finalmembehrew N exclamdown N exclammonospace N finalnun N finalnunhebrew N existential N ezh N finalpe N ezhcaron N finalpehebrew N finaltsadi N ezhcurl N finaltsadihebrew N ezhreversed N ezhtail N firsttonechinese Νf N fisheve N fadeva N fitacyrillic N fagurmukhi N five N fahrenheit N fivearabic N fathaarabic N fivebengali N fathalowarabic N fivecircle N fathatanarabic N fivecircleinversesansserif N fbopomofo N fivedeva N fcircle N fiveeighths N fdotaccent N fivegujarati N feharabic N fivegurmukhi N feharmenian N fivehackarabic N fehfinalarabic N fivehangzhou N fehinitialarabic N fiveideographicparen N fehmedialarabic N fiveinferior N feicoptic N fivemonospace N female N fiveparen N ff N fiveperiod N ffi N fivepersian N ffl N fiveroman N fi N fivesuperior N fivethai N fifteencircle N fifteenparen N fl N fifteenperiod N florin N figuredash N fmonospace N filledbox N fmsquare N filledrect N fofanthai N finalkaf N fofathai

N fonomanthai N gangiacoptic N forall N gbopomofo N four N gbreve N fourarabic N gcaron N fourbengali N gcedilla N fourcircle N gcircle N fourcircleinversesansserif N gcircumflex N fourdeva N gcommaaccent N fourqujarati N gdot N fourgurmukhi N qdotaccent N fourhackarabic N gecyrillic N fourhangzhou N gehiragana N fourideographicparen N gekatakana N fourinferior N geometricallyequal N fourmonospace N gereshaccenthebrew N fournumeratorbengali N gereshhebrew N fourparen N gereshmugdamhebrew N fourperiod N germandbls N fourpersian N gershayimaccenthebrew N fourroman N gershavimhebrew N foursuperior N getamark N fourteencircle N ghabengali N fourteenparen N ghadarmenian N fourteenperiod N ghadeva N fourthai N ghagujarati N fourthtonechinese N ghagurmukhi N fparen N ghainarabic N fraction N ghainfinalarabic N franc N ghaininitialarabic Ng N ghainmedialarabic N gabengali N ghemiddlehookcyrillic N ghestrokecyrillic N gacute N gadeva N gheupturncyrillic N gafarabic N ghhadeva N gaffinalarabic N ghhagurmukhi N gafinitialarabic N ghook N gafmedialarabic N ghzsquare N gagujarati N gihiragana N gagurmukhi N gikatakana N gahiragana N gimarmenian N gakatakana N gimel N gamma N gimeldagesh N gammalatinsmall N gimeldageshhebrew N gammasuperior N gimelhebrew

N gjecyrillic N haabkhasiancvrillic N glottalinvertedstroke N haaltonearabic N habengali N glottalstop N glottalstopinverted N hadescendercyrillic N glottalstopmod N hadeva N glottalstopreversed N haqujarati N glottalstopreversedmod N hagurmukhi N haharabic N glottalstopreversedsuperior N hahfinalarahic N glottalstopstroke N glottalstopstrokereversed N hahinitialarabic N amacron N hahiragana N gmonospace N hahmedialarabic N gohiragana N haitusquare N gokatakana N hakatakana N gparen N hakatakanahalfwidth N gpasquare N halantgurmukhi N gradient N hamzaarabic N hamzadammaarabic N grave N hamzadammatanarabic N gravebelowcmb N hamzafathaarabic N gravecmb N gravecomb N hamzafathatanarabic N gravedeva N hamzalowarabic N gravelowmod N hamzalowkasraarabic N gravemonospace N hamzalowkasratanarabic N gravetonecmb N hamzasukunarabic N greater N hangulfiller N greaterequal N hardsigncyrillic N greaterequalorless N harpoonleftbarbup N harpoonrightbarbup N greatermonospace N greaterorequivalent N hasquare N greaterorless N hatafpatah N hatafpatah16 N greateroverequal N greatersmall N hatafpatah23 N hatafpatah2f N gscript N gstroke N hatafpatahhebrew N guhiragana N hatafpatahnarrowhebrew N quillemotleft N hatafpatahquarterhebrew N quillemotright N hatafpatahwidehebrew N guilsinglleft N hatafqamats N guilsinglright N hatafqamats1b N gukatakana N hatafgamats28 N guramusquare N hatafqamats34 N gysquare N hatafqamatshebrew Nh N hatafgamatsnarrowhebrew N hatafqamatsquarterhebrew N het N hatafgamatswidehebrew N hethebrew N hatafsegol N hhook N hatafsegol17 N hhooksuperior N hatafsegol24 N hieuhacirclekorean N hatafsegol30 N hieuhaparenkorean N hatafsegolhebrew N hieuhcirclekorean N hatafsegolnarrowhebrew N hieuhkorean N hatafsegolguarterhebrew N hieuhparenkorean N hatafsegolwidehebrew N hihiragana N hbar N hikatakana N hikatakanahalfwidth N hbopomofo N hbrevebelow N hiria N hcedilla N hiriq14 N hcircle N hiria21 N hcircumflex N hiria2d N hdieresis N hirighebrew N hdotaccent N hirignarrowhebrew N hdothelow N hirigguarterhebrew N he N hirigwidehebrew N heart N hlinebelow N heartsuitblack N hmonospace N heartsuitwhite N hoarmenian N hedagesh N hohipthai N hedageshhebrew N hohiragana N hehaltonearabic N hokatakana N heharabic N hokatakanahalfwidth N hehebrew N holam N hehfinalaltonearabic N holam19 N hehfinalalttwoarabic N holam26 N hehfinalarabic N holam32 N hehhamzaahovefinalarahic N holamhebrew N hehhamzaaboveisolatedarabic N holamnarrowhebrew N hehinitialaltonearabic N holamquarterhebrew N hehinitialarabic N holamwidehebrew N hehiragana N honokhukthai N hehmedialaltonearabic N hookabovecomb N hehmedialarabic N hookcmb N heiseierasquare N hookpalatalizedbelowcmb N hekatakana N hookretroflexbelowcmb N hekatakanahalfwidth N hoonsquare N hekutaarusquare N horicoptic N horizontalbar N henghook N herutusquare N horncmb

N hotsprings N ideographichaveparen N house N ideographichighcircle N hparen N ideographiciterationmark N hsuperior N ideographiclaborcircle N hturned N ideographiclaborparen N huhiragana N ideographicleftcircle N huiitosquare N ideographiclowcircle N hukatakana N ideographicmedicinecircle N hukatakanahalfwidth N ideographicmetalparen N hungarumlaut N ideographicmoonparen N hungarumlautcmb N ideographicnameparen N hv N ideographicperiod N hyphen N ideographicprintcircle N hyphenmonospace N ideographicreachparen N hyphensmall N ideographicrepresentparen N hyphentwo N ideographicresourceparen Νi N ideographicrightcircle N iacute N ideographicsecretcircle N iacyrillic N ideographicselfparen N ibengali N ideographicsocietyparen N ibopomofo N ideographicspace N ibreve N ideographicspecialparen N icaron N ideographicstockparen N icircle N ideographicstudyparen N icircumflex N ideographicsunparen N icvrillic N ideographicsuperviseparen N idblgrave N ideographicwaterparen N ideographearthcircle N ideographicwoodparen N ideographfirecircle N ideographiczero N ideographicallianceparen N ideographmetalcircle N ideographiccallparen N ideographmooncircle N ideographiccentrecircle N ideographnamecircle N ideographicclose N ideographsuncircle N ideographiccomma N ideographwatercircle N ideographiccommaleft N ideographwoodcircle N ideographiccongratulationparen N ideva N ideographiccorrectcircle N idieresis N ideographicearthparen N idieresisacute N ideographicenterpriseparen N idieresiscyrillic N ideographicexcellentcircle N idotbelow N ideographicfestivalparen N iebrevecvrillic N iecyrillic N ideographicfinancialcircle N ideographicfinancialparen N ieungacirclekorean N ideographicfireparen N ieungaparenkorean

N ieungcirclekorean N iogonek N ieungkorean N iota N ieungparenkorean N iotadieresis N igrave N iotadieresistonos N iqujarati N iotalatin N iotatonos N igurmukhi N ihiragana N iparen N ihookabove N irigurmukhi N iibengali N ismallhiragana N iicyrillic N ismallkatakana N ismallkatakanahalfwidth N iideva N issharbengali N iigujarati N iigurmukhi N istroke N iimatragurmukhi N iterationhiragana N iinvertedbreve N iterationkatakana N iishortcyrillic N itilde N iivowelsignbengali N itildebelow N iivowelsigndeva N iubopomofo N iivowelsigngujarati N iucyrillic Nij N ivowelsignbengali N ikatakana N ivowelsigndeva N ikatakanahalfwidth N ivowelsigngujarati N ikorean N izhitsacyrillic N ilde N izhitsadblqravecyrillic N iluvhebrew Νj N imacron N jaarmenian N imacroncyrillic N jabengali N imageorapproximatelyequal N jadeva N imatragurmukhi N jagujarati N imonospace N jagurmukhi N increment N ibopomofo N infinity N jcaron N injarmenjan N jcircle N integral N jcircumflex N integralbottom N jcrossedtail N integralbt N jdotlessstroke N integraltop N jecyrillic N integraltp N jeemarabic N intersection N jeemfinalarabic N intisquare N jeeminitialarabic N invbullet N jeemmedialarabic N invcircle N jeharabic N invsmileface N jehfinalarabic N iocyrillic N jhabengali

N ihadeva N katahiraprolongmarkhalfwidth N jhagujarati N kaverticalstrokecyrillic N jhagurmukhi N kbopomofo N jheharmenian N kcalsquare N jis N kcaron N imonospace N kcedilla N jparen N kcircle N isuperior N kcommaaccent Nk N kdothelow N kabashkircyrillic N keharmenian N kabengali N kehiragana N kacute N kekatakana N kacyrillic N kekatakanahalfwidth N kadescendercyrillic N kenarmenian N kadeva N kesmallkatakana N kaf N koreenlandic N kafarabic N khabengali N kafdagesh N khacyrillic N kafdageshhebrew N khadeva N kaffinalarabic N khaqujarati N kafhebrew N khaqurmukhi N kafinitialarabic N khaharabic N kafmedialarabic N khahfinalarabic N kafrafehebrew N khahinitialarabic N kagujarati N khahmedialarabic N kagurmukhi N kheicoptic N khhadeva N kahiragana N kahookcyrillic N khhagurmukhi N kakatakana N khieukhacirclekorean N kakatakanahalfwidth N khieukhaparenkorean N kappa N khieukhcirclekorean N kappasymbolgreek N khieukhkorean N kapyeounmieumkorean N khieukhparenkorean N khokhaithai N kapyeounphieuphkorean N khokhonthai N kapyeounpieupkorean N kapyeounssangpieupkorean N khokhuatthai N khokhwaithai N karoriisquare N khomutthai N kashidaautoarabic N kashidaautonosidebearingarabic N khook N kasmallkatakana N khorakhangthai N kasquare N khzsquare N kasraarabic N kihiragana N kasratanarabic N kikatakana N kastrokecyrillic N kikatakanahalfwidth

N kiroguramusquare	N lamalefhamzabelowfinalarabic
N kiromeetorusquare	N lamalefhamzabelowisolatedarabic
N kirosquare	N lamalefisolatedarabic
N kiyeokacirclekorean	N lamalefmaddaabovefinalarabic
N kiyeokaparenkorean	N lamalef $\operatorname{maddaaboveisolatedarabic}$
N kiyeokcirclekorean	N lamarabic
N kiyeokkorean	N lambda
N kiyeokparenkorean	N lambdastroke
N kiyeoksioskorean	N lamed
N kjecyrillic	N lameddagesh
N klinebelow	N lameddageshhebrew
N klsquare	N lamedhebrew
N kmcubedsquare	N lamedholam
N kmonospace	N lamedholamdagesh
N kmsquaredsquare	N lamedholamdageshhebrew
N kohiragana	N lamedholamhebrew
N kohmsquare	N lamfinalarabic
N kokaithai	N lamhahinitialarabic
N kokatakana	N laminitialarabic
N kokatakanahalfwidth	N lamjeeminitialarabic
N kooposquare	N lamkhahinitialarabic
N koppacyrillic	N lamlamhehisolatedarabic
N koreanstandardsymbol	N lammedialarabic
N koroniscmb	N lammeemhahinitialarabic
N kparen	N lammeeminitialarabic
N kpasquare	N lammeemjeeminitialarabic
N ksicyrillic	N lammeemkhahinitialarabic
N ktsquare	N largecircle
N kturned	N lbar
N kuhiragana	N lbelt
N kukatakana	N lbopomofo
N kukatakanahalfwidth	N lcaron
N kvsquare	N lcedilla
N kwsquare	N lcircle
N l	N lcircumflexbelow
N labengali	N lcommaaccent
N lacute	N ldot
N ladeva	N ldotaccent
N lagujarati	N ldotbelow
N lagurmukhi	N ldotbelowmacron
N lakkhangyaothai	N leftangleabovecmb
N lamaleffinalarabic	N lefttackbelowcmb
N lamalefhamzaabovefinalarabic	N less
N lamalefhamzaaboveisolatedarabic	N lessequal

N lxsquare N lessequalorgreater N lessmonospace N m N lessorequivalent N mabengali N lessorgreater N macron N lessoverequal N macronbelowcmb N lesssmall N macronemb N lezh N macronlowmod N lfblock N macronmonospace N lhookretroflex N macute N lira N madeva N liwnarmenian N magujarati Nli N magurmukhi N ljecyrillic N mahapakhhebrew N lladeva N mahapakhlefthebrew N llagujarati N mahiragana N llinebelow N maichattawathai N llladeva N maiekthai N llvocalicbengali N maihanakatthai N maitaikhuthai N llvocalicdeva N maithothai N llvocalicvowelsignbengali N llvocalicvowelsigndeva N maitrithai N lmiddletilde N maivamokthai N lmonospace N makatakana N lmsquare N makatakanahalfwidth N lochulathai N male N logicaland N mansyonsquare N logicalnot N magafhebrew N logicalnotreversed N mars N logicalor N masoracirclehebrew N lolingthai N masquare N longs N mbopomofo N lowlinecenterline N mbsquare N lowlinecmb N mcircle N mcubedsquare N lowlinedashed N mdotaccent N lozenge N lparen N mdotbelow N meemarabic N lslash N meemfinalarabic N lsquare N ltshade N meeminitialarabic N luthai N meemmedialarabic N lvocalicbengali N meemmeeminitialarabic N lvocalicdeva N meemmeemisolatedarabic N lvocalicvowelsignbengali N meetorusquare N lvocalicvowelsigndeva N mehiragana

N meizierasquare N molsquare N mekatakana N momathai N mekatakanahalfwidth N moverssquare N moverssquaredsquare N mem N memdagesh N mparen N memdageshhebrew N mpasquare N memhebrew N mssquare N menarmenian N mturned N merkhahehrew N mii N merkhakefulahehrew N mu1 N merkhakefulalefthebrew N muasquare N merkhalefthebrew N muchareater N mhook N muchless N mhzsquare N mufsquare N middledotkatakanahalfwidth N mugreek N middot N mugsquare N mieumacirclekorean N muhiragana N mukatakana N mieumaparenkorean N mukatakanahalfwidth N mieumcirclekorean N mieumkorean N mulsquare N mieumpansioskorean N multiply N mieumparenkorean N mumsquare N mieumpieupkorean N munahhebrew N mieumsioskorean N munahlefthebrew N mihiragana N musicalnote N mikatakana N musicalnotedbl N mikatakanahalfwidth N musicflatsign N minus N musicsharpsign N minusbelowcmb N mussquare N minuscircle N muvsquare N minusmod N muwsquare N minusplus N mvmegasquare N minute N mvsquare N miribaarusquare N mwmegasguare N mirisquare N mwsquare N mlonglegturned Νn N nabengali N mlsquare N nabla N mmcubedsquare

N mlsquare N nabengali
N mmcubedsquare N nabla
N mmonospace N nacute
N mmsquaredsquare N nadeva
N mohiragana N nagujarati
N mohmsquare N nagurmukhi
N mokatakana N nahiragana

N nakatakanahalfwidth N ninedeva N napostrophe N ninequjarati N ninegurmukhi N nasquare N nbopomofo N ninehackarabic N nbspace N ninehangzhou N ncaron N nineideographicparen N ncedilla N nineinferior N ncircle N ninemonospace N ncircumflexbelow N nineparen N ncommaaccent N nineperiod N ndotaccent N ninepersian N ndotbelow N nineroman N nehiragana N ninesuperior N nekatakana N nineteencircle N nekatakanahalfwidth N nineteenparen N newshegelsign N nineteenperiod N nfsquare N ninethai N ngabengali Nnj N njecyrillic N ngadeva N ngagujarati N nkatakana N ngagurmukhi N nkatakanahalfwidth N ngonguthai N nlegrightlong N nlinebelow N nhiragana N nmonospace N nhookleft N nhookretroflex N nmsquare N nieunacirclekorean N nnabengali N nnadeva N nieunaparenkorean N nieuncieuckorean N nnagujarati N nieuncirclekorean N nnagurmukhi N nieunhieuhkorean N nnnadeva N nieunkorean N nohiragana N nieunpansioskorean N nokatakana N nieunparenkorean N nokatakanahalfwidth N nonbreakingspace N nieunsioskorean N nieuntikeutkorean N nonenthai N nihiragana N nonuthai N nikatakana N noonarabic N nikatakanahalfwidth N noonfinalarabic N nikhahitthai N noonghunnaarabic N noonghunnafinalarabic N nine N ninearabic N noonhehinitialarabic N ninebengali N nooninitialarabic N ninecircle N noonjeeminitialarabic N ninecircleinversesansserif N noonjeemisolatedarabic N noonmedialarabic N nyabengali N noonmeeminitialarabic N nyadeva N noonmeemisolatedarabic N nyagujarati N noonnoonfinalarabic N nyagurmukhi N notcontains Nο N notelement N oacute N notelementof N oangthai N notequal N obarred N notgreater N obarredcyrillic N notgreaternorequal N obarreddieresiscyrillic N notgreaternorless N obengali N notidentical N obopomofo N notless N obreve N notlessnorequal N ocandradeva N notparallel N ocandragujarati N notprecedes N ocandravowelsigndeva N notsubset N ocandravowelsigngujarati N notsucceeds N ocaron N ocircle N notsuperset N ocircumflex N nowarmenian N nparen N ocircumflexacute N nssquare N ocircumflexdotbelow N nsuperior N ocircumflexgrave N ntilde N ocircumflexhookabove N nu N ocircumflextilde N nuhiragana N ocyrillic N nukatakana N odblacute N nukatakanahalfwidth N odblgrave N nuktabengali N odeva N nuktadeva N odieresis N odieresiscyrillic N nuktagujarati N nuktagurmukhi N odotbelow N numbersign N oe N numbersignmonospace N oekorean N numbersignsmall N ogonek N numeralsigngreek N ogonekcmb N numeralsignlowergreek N ograve N numero N oqujarati N nun N oharmenian N nundagesh N ohiragana N nundageshhebrew N ohookabove N nunhebrew N ohorn N ohornacute N nvsquare

N ohorndotbelow

N nwsquare

N ohornarave N onepersian N ohornhookabove N onequarter N ohorntilde N oneroman N ohungarumlaut N onesuperior N oi N onethai N oinvertedbreve N onethird N okatakana N oogonek N okatakanahalfwidth N oogonekmacron N okorean N oogurmukhi N olehehrew N oomatragurmukhi N omacron N oopen N omacronacute N oparen N omacrongrave N openbullet N omdeva N option N omega N ordfeminine N omega1 N ordmasculine N omegacyrillic N orthogonal N oshortdeva N omegalatinclosed N oshortvowelsigndeva N omegaroundcyrillic N omegatitlocyrillic N oslash N omegatonos N oslashacute N omgujarati N osmallhiragana N omicron N osmallkatakana N omicrontonos N osmallkatakanahalfwidth N omonospace N ostrokeacute N one N otcyrillic N onearabic N otilde N otildeacute N onebengali N onecircle N otildedieresis N onecircleinversesansserif N oubopomofo N onedeva N overline N onedotenleader N overlinecenterline N oneeighth N overlinecmb N overlinedashed N onequiarati N onegurmukhi N overlinedblwavy N onehackarabic N overlinewavy N onehalf N overscore N onehangzhou N ovowelsignbengali N oneideographicparen N ovowelsigndeva N oneinferior N ovowelsigngujarati N onemonospace Νp N onenumeratorbengali N paampssquare N oneparen N paasentosquare N oneperiod N pabengali

N pacute N pe N padeva N pecyrillic N pagedown N pedagesh N pageup N pedageshhebrew N paqujarati N peezisquare N pagurmukhi N pefinaldageshhebrew N pahiragana N peharabic N paiyannoithai N peharmenian N pakatakana N pehebrew N palatalizationcyrilliccmb N pehfinalarabic N palochkacyrillic N pehinitialarabic N pansioskorean N pehiragana N paragraph N pehmedialarabic N parallel N pekatakana N parenleft N pemiddlehookcyrillic N parenleftaltonearabic N perafehebrew N parenleftinferior N percent N parenleftmonospace N percentarabic N parenleftsmall N percentmonospace N parenleftsuperior N percentsmall N parenleftvertical N period N parenright N periodarmenian N parenrightaltonearabic N periodcentered N parenrightinferior N periodhalfwidth N parenrightmonospace N periodmonospace N parenrightsmall N periodsmall N parenrightsuperior N perispomenigreekcmb N parenrightvertical N perpendicular N partialdiff N perthousand N paseghebrew N peseta N pashtahebrew N pfsquare N pasquare N phabengali N patah N phadeva N patah11 N phagujarati N patah1d N phagurmukhi N patah2a N phi N patahhebrew N phil N patahnarrowhebrew N phieuphacirclekorean N patahquarterhebrew N phieuphaparenkorean N patahwidehebrew N phieuphcirclekorean N pazerhebrew N phieuphkorean N pbopomofo N phieuphparenkorean N pcircle N philatin N pdotaccent N phinthuthai

N phisymbolgreek N primemod N phook N primereversed N phophanthai N product N phophungthai N projective N phosamphaothai N prolongedkana N pi N propellor N pieupacirclekorean N propersubset N pieupaparenkorean N propersuperset N pieupcieuckorean N proportion N proportional N pieupcirclekorean N pieupkiyeokkorean N psi N pieupkorean N psicyrillic N pieupparenkorean N psilipneumatacyrilliccmb N pieupsioskiyeokkorean N pssquare N pieupsioskorean N puhiragana N pieupsiostikeutkorean N pukatakana N pieupthieuthkorean N pvsquare N pieuptikeutkorean N pwsquare N pihiragana Nq N pikatakana N gadeva N pisymbolgreek N gadmahebrew N piwrarmenian N gafarabic N gaffinalarabic N plus N plusbelowcmb N gafinitialarabic N pluscircle N gafmedialarabic N plusminus N gamats N plusmod N gamats10 N plusmonospace N qamatsla N plussmall N gamats1c N plussuperior N gamats27 N pmonospace N gamats29 N pmsquare N qamats33 N pohiragana N gamatsde N pointingindexdownwhite N gamatshebrew N pointingindexleftwhite N gamatsnarrowhebrew N pointingindexrightwhite N gamatsgatanhebrew N pointingindexupwhite N qamatsqatannarrowhebrew N pokatakana N qamatsqatanquarterhebrew N poplathai N gamatsgatanwidehebrew N postalmark N gamatsquarterhebrew N postalmarkface N gamatswidehebrew N pparen N qarneyparahebrew N precedes N qbopomofo N prescription N gcircle

N ahook N quotedblleft N gmonospace N quotedblmonospace N qof N quotedblprime N gofdagesh N quotedblprimereversed N gofdageshhebrew N quotedblright N gofhatafpatah N quoteleft N qofhatafpatahhebrew N quoteleftreversed N qofhatafsegol N auotereversed N gofhatafsegolhebrew N quoteright N gofhebrew N quoterightn N qofhiriq N quotesinglbase N qofhirighebrew N quotesingle N gofholam N quotesinglemonospace N qofholamhebrew Νr N qofpatah N raarmenian N qofpatahhebrew N rabengali N gofgamats N racute N radeva N qofqamatshebrew N qofqubuts N radical N gofqubutshebrew N radoverssquare N aofseaol N radoverssquaredsquare N qofsegolhebrew N radsquare N gofsheva N rafe N gofshevahebrew N rafehebrew N aoftsere N ragujarati N qoftserehebrew N ragurmukhi N gparen N rahiragana N quarternote N rakatakana N rakatakanahalfwidth N qubuts N qubuts18 N ralowerdiagonalbengali N qubuts25 N ramiddlediagonalbengali N qubuts31 N ramshorn N qubutshebrew N ratio N rbopomofo N gubutsnarrowhebrew N qubutsquarterhebrew N rcaron N rcedilla N qubutswidehebrew N question N rcircle N questionarabic N rcommaaccent N questionarmenian N rdblgrave N questiondown N rdotaccent N questiongreek N rdotbelow N questionmonospace N rdotbelowmacron N referencemark N quotedbl N quotedblbase N reflexsubset

N	reflexsuperset	N	rhosymbolgreek
N	registered	N	rhotichookmod
N	reharabic	N	rieulacirclekorean
N	reharmenian	N	rieulaparenkorean
N	rehfinalarabic	N	rieulcirclekorean
N	rehiragana	N	rieulhieuhkorean
N	rehyehaleflamarabic	N	rieulkiyeokkorean
N	rekatakana	N	rieulkiyeoksioskorean
N	rekatakanahalfwidth	N	rieulkorean
N	resh	N	rieulmieumkorean
N	reshdageshhebrew	N	rieulpansioskorean
N	reshhatafpatah	N	rieulparenkorean
N	reshhatafpatahhebrew	N	rieulphieuphkorean
N	reshhatafsegol	N	rieulpieupkorean
N	reshhatafsegolhebrew	N	rieulpieupsioskorean
N	reshhebrew	N	rieulsioskorean
N	reshhiriq	N	rieulthieuthkorean
N	reshhiriqhebrew	N	rieultikeutkorean
N	reshholam	N	rieulyeorinhieuhkorean
N	reshholamhebrew	N	rightangle
N	reshpatah	N	righttackbelowcmb
N	reshpatahhebrew	N	righttriangle
N	reshqamats	N	rihiragana
N	reshqamatshebrew	N	rikatakana
N	reshqubuts	N	rikatakanahalfwidth
N	reshqubutshebrew	N	ring
N	reshsegol	N	ringbelowcmb
N	reshsegolhebrew	N	ringcmb
N	reshsheva	N	ringhalfleft
N	reshshevahebrew	N	ringhalfleftarmenian
N	reshtsere	N	ringhalfleftbelowcmb
N	reshtserehebrew	N	ringhalfleftcentered
N	reversedtilde	N	ringhalfright
N	reviahebrew	N	ringhalfrightbelowcmb
N	reviamugrashhebrew	N	ringhalfrightcentered
N	revlogicalnot	N	rinvertedbreve
N	rfishhook	N	rittorusquare
N	rfishhookreversed	N	rlinebelow
N	rhabengali	N	rlongleg
N	rhadeva	N	rlonglegturned
N	rho	N	rmonospace
N	rhook	N	rohiragana
N	rhookturned	N	rokatakana
N	rhookturnedsuperior	N	rokatakanahalfwidth

N roruathai N samekhdagesh N rparen N samekhdageshhebrew N rrabengali N samekhhebrew N rradeva N saraaathai N rragurmukhi N saraaethai N rreharabic N saraaimaimalaithai N rrehfinalarabic N saraaimaimuanthai N rrvocalichengali N saraamthai N saraathai N rrvocalicdeva N rrvocalicqujarati N saraethai N saraiithai N rrvocalicvowelsignbengali N saraithai N rrvocalicvowelsigndeva N rrvocalicvowelsigngujarati N saraothai N saraueethai N rtblock N sarauethai N rturned N rturnedsuperior N sarauthai N ruhiragana N sarauuthai N rukatakana N sbopomofo N rukatakanahalfwidth N scaron N rupeemarkbengali N scarondotaccent N rupeesignbengali N scedilla N ruthai N schwa N rvocalichengali N schwacyrillic N rvocalicdeva N schwadieresiscyrillic N rvocalicgujarati N schwahook N scircle N scircumflex N scommaaccent N sdotaccent N sdotbelow

N rvocalicvowelsignbengali N rvocalicvowelsigndeva N rvocalicvowelsigngujarati Ns N sabengali

N sdotbelowdotaccent N sacute N sacutedotaccent N seagullbelowcmb

N sadarabic N second

N sadeva N secondtonechinese

N sadfinalarabic N section N sadinitialarabic N seenarabic N sadmedialarabic N seenfinalarabic N seeninitialarabic N saqujarati N sagurmukhi N seenmedialarabic

N sahiragana N seaol N sakatakana N segol13 N sakatakanahalfwidth N segol1f N sallallahoualayhewasallamarabic N segol2c N samekh N segolhebrew

N shaddadammaarabic N segolnarrowhebrew N segolquarterhebrew N shaddadammatanarabic N segoltahebrew N shaddafathaarabic N segolwidehebrew N shaddafathatanarabic N seharmenian N shaddakasraarabic N shaddakasratanarabic N sehiragana N sekatakana N shade N sekatakanahalfwidth N shadedark N semicolon N shadelight N semicolonarabic N shademedium N semicolonmonospace N shadeva N semicolonsmall N shagujarati N semivoicedmarkkana N shaqurmukhi N semivoicedmarkkanahalfwidth N shalshelethebrew N sentisquare N shbopomofo N sentosquare N shchacyrillic N seven N sheenarabic N sevenarabic N sheenfinalarabic N sevenbengali N sheeninitialarabic N sheenmedialarabic N sevencircle N sevencircleinversesansserif N sheicoptic N sevendeva N sheael N seveneighths N shegelhebrew N sevengujarati N sheva N sevengurmukhi N sheval15 N sevenhackarabic N sheva15 N sevenhangzhou N sheva22 N sevenideographicparen N sheva2e N seveninferior N shevahebrew N sevenmonospace N shevanarrowhebrew N sevenparen N shevaquarterhebrew N sevenperiod N shevawidehehrew N sevenpersian N shhacyrillic N sevenroman N shimacoptic N shin N sevensuperior N seventeencircle N shindagesh N seventeenparen N shindageshhebrew N seventeenperiod N shindageshshindot N seventhai N shindageshshindothebrew N sfthyphen N shindageshsindot N shaarmenian N shindageshsindothebrew N shabengali N shindothebrew N shinhehrew N shacyrillic N shaddaarabic N shinshindot

N shinshindothebrew N sixteencurrencydenominatorbengali N shinsindot N sixteenparen N shinsindothebrew N sixteenperiod N shook N sixthai N sigma N slash N sigmal N slashmonospace N sigmafinal N slona N sigmalunatesymbolgreek N slonadotaccent N sihiragana N smileface N sikatakana N smonospace N sikatakanahalfwidth N sofpasughebrew N siluahebrew N softhyphen N siluglefthebrew N softsigncyrillic N similar N sohiragana N sindothebrew N sokatakana N siosacirclekorean N sokatakanahalfwidth N siosaparenkorean N soliduslongoverlaycmb N sioscieuckorean N solidusshortoverlaycmb N sioscirclekorean N sorusithai N sosalathai N sioskiyeokkorean N sioskorean N sosothai N siosnieunkorean N sosuathai N siosparenkorean N space N siospieupkorean N spacehackarabic N siostikeutkorean N spade N six N spadesuitblack N sixarabic N spadesuitwhite N sixbengali N sparen N sixcircle N squarebelowcmb N sixcircleinversesansserif N squarecc N sixdeva N squarecm N sixgujarati N squarediagonalcrosshatchfill N sixgurmukhi N squarehorizontalfill N sixhackarabic N squarekq N sixhangzhou N squarekm N sixideographicparen N squarekmcapital N sixinferior N squareln N sixmonospace N squarelog N squaremg N sixparen N sixperiod N squaremil N sixpersian N squaremm N sixroman N squaremsquared N sixsuperior N squareorthogonalcrosshatchfill N sixteencircle N squareupperlefttolowerrightfill

N squareupperrighttolowerleftfill N tahinitialarabic N squareverticalfill N tahiragana N squarewhitewithsmallblack N tahmedialarabic N srsquare N taisvouerasquare N ssabengali N takatakana N takatakanahalfwidth N ssadeva N ssagujarati N tatweelarabic N ssangcieuckorean N tau N ssanghieuhkorean N tav N ssangieungkorean N tavdages N ssangkiyeokkorean N tavdagesh N ssangnieunkorean N tavdageshhebrew N ssangpieupkorean N tavhebrew N ssangsioskorean N tbar N ssangtikeutkorean N tbopomofo N sterling N tcaron N sterlingmonospace N tccurl N tcedilla N strokelongoverlaycmb N tcheharabic N strokeshortoverlaycmb N tchehfinalarabic N subset N subsetnotequal N tchehinitialarabic N subsetorequal N tchehmedialarabic N succeeds N tchehmeeminitialarabic N suchthat N tcircle N suhiragana N tcircumflexbelow N sukatakana N tcommaaccent N sukatakanahalfwidth N tdieresis N sukunarabic N tdotaccent N summation N tdotbelow N sun N tecyrillic N superset N tedescendercyrillic N supersetnotequal N teharabic N supersetorequal N tehfinalarabic N tehhahinitialarabic N sysquare N tehhahisolatedarabic N syouwaerasquare Νt N tehinitialarabic N tabengali N tehiragana N tackdown N tehjeeminitialarabic N tackleft N tehjeemisolatedarabic N tadeva N tehmarbutaarabic N tagujarati N tehmarbutafinalarabic N tagurmukhi N tehmedialarabic N taharahic N tehmeeminitialarabic N tahfinalarabic N tehmeemisolatedarabic

N tehnoonfinalarabic	N thonangmonthothai
N tekatakana	N thook
N tekatakanahalfwidth	N thophuthaothai
N telephone	N thorn
N telephoneblack	N thothahanthai
N telishagedolahebrew	N thothanthai
N telishaqetanahebrew	N thothongthai
N tencircle	N thothungthai
N tenideographicparen	N thousandcyrillic
N tenparen	${\sf N}$ thousandsseparatorarabic
N tenperiod	N thousandsseparatorpersian
N tenroman	N three
N tesh	N threearabic
N tet	N threebengali
N tetdagesh	N threecircle
N tetdageshhebrew	N threecircleinversesansserif
N tethebrew	N threedeva
N tetsecyrillic	N threeeighths
N tevirhebrew	N threegujarati
N tevirlefthebrew	N threegurmukhi
N thabengali	N threehackarabic
N thadeva	N threehangzhou
N thagujarati	N threeideographicparen
N thagurmukhi	N threeinferior
N thalarabic	N threemonospace
N thalfinalarabic	N threenumeratorbengali
N thanthakhatthai	N threeparen
N theharabic	N threeperiod
N thehfinalarabic	N threepersian
N thehinitialarabic	N threequarters
N thehmedialarabic	N threeroman
N thereexists	N threesuperior
N therefore	N threethai
N theta	N thzsquare
N thetal	N tihiragana
N thetasymbolgreek	N tikatakana
N thieuthacirclekorean	N tikatakanahalfwidth
N thieuthaparenkorean	N tikeutacirclekorean
N thieuthcirclekorean	N tikeutaparenkorean
N thieuthkorean	N tikeutcirclekorean
N thieuthparenkorean	N tikeutkorean
N thirteencircle	N tikeutparenkorean
N thirteenparen	N tilde
N thirteenperiod	N tildebelowcmb

N tildecmb N ts N tildecomb N tsadi N tildedoublecmb N tsadidagesh N tildeoperator N tsadidageshhebrew N tildeoverlaycmb N tsadihebrew N tildeverticalcmb N tsecyrillic N timescircle N tsere N tipehahebrew N tsere12 N tipehalefthebrew N tserele N tippigurmukhi N tsere2h N titlocvrilliccmb N tserehebrew N tiwnarmenian N tserenarrowhebrew N tlinebelow N tserequarterhebrew N tmonospace N tserewidehebrew N toarmenian N tshecyrillic N tohiragana N ttabengali N tokatakana N ttadeva N tokatakanahalfwidth N ttagujarati N tonebarextrahighmod N ttagurmukhi N tonebarextralowmod N tteharabic N tonebarhighmod N ttehfinalarabic N tonebarlowmod N ttehinitialarabic N tonebarmidmod N ttehmedialarabic N tonefive N tthabengali N tonesix N tthadeva N tonetwo N tthagujarati N tonos N tthagurmukhi N tonsquare N tturned N topatakthai N tuhiragana N tortoiseshellbracketleft N tukatakana N tortoiseshellbracketleftsmall N tukatakanahalfwidth N tortoiseshellbracketleftvertical N tusmallhiragana N tortoiseshellbracketright N tusmallkatakana N tusmallkatakanahalfwidth N tortoiseshellbracketrightsmall N twelvecircle N tortoiseshellbracketrightvertical N totaothai N twelveparen N tpalatalhook N twelveperiod N tparen N twelveroman N trademark N twentycircle N tretroflexhook N twentyparen N triagdn N twentyperiod N triaglf N two N twoarabic N triagrt N triagup N twobengali

N twocircle N udothelow N twocircleinversesansserif N ugrave N twodeva N ugujarati N twodotenleader N ugurmukhi N twodotleader N uhiragana N twodotleadervertical N uhookabove N twoquiarati N uhorn N twoqurmukhi N uhornacute N uhorndotbelow N twohackarabic N twohangzhou N uhorngrave N twoideographicparen N uhornhookabove N uhorntilde N twoinferior N twomonospace N uhungarumlaut N twonumeratorbengali N uhungarumlautcyrillic N twoparen N uinvertedbreve N twoperiod N ukatakana N twopersian N ukatakanahalfwidth N tworoman N ukcyrillic N twostroke N ukorean N twosuperior N umacron N twothai N umacroncvrillic N twothirds N umacrondieresis Νu N umatragurmukhi N uacute N umonospace N ubar N underscore N ubengali N underscoredbl N ubopomofo N underscoremonospace N ubreve N underscorevertical N ucaron N underscorewavy N ucircle N union N ucircumflex N universal N ucircumflexhelow N uogonek N ucyrillic N uparen N udattadeva N upblock N udblacute N upperdothebrew N udblgrave N upsilon N upsilondieresis N udeva N upsilondieresistonos N udieresis N udieresisacute N upsilonlatin N udieresisbelow N upsilontonos N udieresiscaron N uptackbelowcmb N udieresiscyrillic N uptackmod N udieresisgrave N uragurmukhi N udieresismacron N uring

N ushortcvrillic N verticallineabovecmb N usmallhiragana N verticallinebelowcmb N usmallkatakana N verticallinelowmod N usmallkatakanahalfwidth N verticallinemod N ustraightcyrillic N vewarmenian N ustraightstrokecyrillic N vhook N utilde N vikatakana N utildeacute N viramahengali N utildebelow N viramadeva N uubengali N viramaqujarati N uudeva N visargabengali N uugujarati N visargadeva N uugurmukhi N visarqaqujarati N uumatragurmukhi N vmonospace N uuvowelsignbengali N voarmenian N uuvowelsigndeva N voicediterationhiragana N uuvowelsigngujarati N voicediterationkatakana N voicedmarkkana N uvowelsignbengali N voicedmarkkanahalfwidth N uvowelsigndeva N uvowelsigngujarati N vokatakana N vparen N vadeva N vtilde N vturned N vagujarati N vagurmukhi N vuhiragana N vakatakana N vukatakana N vav Νw N vavdagesh N wacute N vavdagesh65 N waekorean N vavdageshhebrew N wahiragana N vavhebrew N wakatakana N wakatakanahalfwidth N vavholam N vavholamhebrew N wakorean N vavvavhebrew N wasmallhiragana N vavyodhebrew N wasmallkatakana N vcircle N wattosquare N vdotbelow N wavedash N vecyrillic N wavyunderscorevertical N veharabic N wawarabic N vehfinalarabic N wawfinalarabic N vehinitialarabic N wawhamzaabovearabic N vehmedialarabic N wawhamzaabovefinalarabic

previous 135 next

N wbsquare

N wcircle

N wcircumflex

N vekatakana

N verticalbar

N venus

N wdieresis N wowaenthai N wdotaccent N wparen N wdotbelow N wring N wehiragana N wsuperior N weierstrass N wturned N wekatakana N wynn N wekorean Nx N weokorean N xahovecmb N wgrave N xbopomofo N whitehullet N xcircle N whitecircle N xdieresis N whitecircleinverse N xdotaccent N whitecornerbracketleft N xeharmenian N whitecornerbracketleftvertical N xi N whitecornerbracketright N xmonospace N whitecornerbracketrightvertical N xparen N whitediamond N xsuperior

N whitediamondcontainingblacksmalldiamond Νy

N whitedownpointingsmalltriangle N yaadosquare N whitedownpointingtriangle N yabengali N whiteleftpointingsmalltriangle N vacute N whiteleftpointingtriangle N yadeva N whitelenticularbracketleft N yaekorean N whitelenticularbracketright N yaqujarati N whiterightpointingsmalltriangle N yagurmukhi N whiterightpointingtriangle N yahiragana N whitesmallsquare N yakatakana

N whitesmilingface N yakatakanahalfwidth N whitesquare N yakorean N whitestar N yamakkanthai

N whitetelephone N yasmallhiragana N whitetortoiseshellbracketleft N yasmallkatakana

N whiteuppointingsmalltriangle N yatcyrillic N whiteuppointingtriangle N ycircle N wihiragana N ycircumflex N wikatakana N ydieresis

N whitetortoiseshellbracketright

N wikorean N ydotaccent N wmonospace N ydotbelow N wohiragana N yeharabic

N wokatakana N yehbarreearabic N wokatakanahalfwidth N yehbarreefinalarabic

N yehfinalarabic N won

N wonmonospace N yehhamzaabovearabic

N yasmallkatakanahalfwidth

N vehhamzaabovefinalarabic N vosmallkatakanahalfwidth N yehhamzaaboveinitialarabic N yotgreek N yehhamzaabovemedialarabic N yoyaekorean N yehinitialarabic N yoyakorean N yehmedialarabic N yoyakthai N yehmeeminitialarabic N yoyingthai N yehmeemisolatedarabic N yparen N vehnoonfinalarabic N ypogegrammeni N yehthreedotsbelowarabic N ypogegrammenigreekcmb N yekorean Nyr N yen N yring N yenmonospace N ysuperior N yeokorean N ytilde N yeorinhieuhkorean N yturned N yerahbenyomohebrew N yuhiragana N yerahbenyomolefthebrew N yuikorean N yericyrillic N yukatakana N yerudieresiscyrillic N yukatakanahalfwidth N yesieungkorean N yukorean N yesieungpansioskorean N yusbiqcyrillic N yesieungsioskorean N yusbigiotifiedcyrillic N yetivhebrew N yuslittlecyrillic N yuslittleiotifiedcyrillic N ygrave N yusmallhiragana N yhook N yhookabove N yusmallkatakana N yiarmenian N yusmallkatakanahalfwidth N yicyrillic N yuyekorean N yikorean N yuyeokorean N yyabengali N yinyang N yiwnarmenian N yyadeva N ymonospace Νz N yod N zaarmenian N yoddagesh N zacute N zadeva N yoddageshhebrew N yodhebrew N zagurmukhi N yodyodhebrew N zaharabic N zahfinalarabic N yodyodpatahhebrew N zahinitialarabic N yohiragana N yoikorean N zahiragana N yokatakana N zahmedialarabic N yokatakanahalfwidth N zainarabic N yokorean N zainfinalarabic N zakatakana N yosmallhiragana N yosmallkatakana N zagefgadolhebrew

N	zaqefqatanhebrew	N zlinebelow	
N	zarqahebrew	N zmonospace	
N	zayin	N zohiragana	
N	zayindagesh	N zokatakana	
N	zayindageshhebrew	N zparen	
N	zayinhebrew	N zretroflexhook	
N	zbopomofo	N zstroke	
N	zcaron	N zuhiragana	
N	zcircle	N zukatakana	
N	zcircumflex	N version	
N	zcurl	enhanceid	function
N	zdot	expansions	data table
N	zdotaccent	formats	data table
N	zdotbelow	getalternate	function
N	zecyrillic	getdiscexpansion	function
N	zedescendercyrillic	getkern	function
N	zedieresiscyrillic	getmultiple	function
N	zehiragana	getsubstitution	function
N	zekatakana	getters	table
N	zero	T alternate	
N	zeroarabic	F opentype	
N	zerobengali	T kern	
N	zerodeva	F opentype	
N	zerogujarati	F typel	
N	zerogurmukhi	T multiple	
N	zerohackarabic	F opentype	
N	zeroinferior	T substitution	
N	zeromonospace	F opentype	
N	zeropersian	goodies	table
N	zerosuperior	D colorschemes	
N	zerothai	T data	
N	zerowidthjoiner	T dejavu-math	
N	zerowidthnonjoiner	S author	
N	zerowidthspace	S comment	
N	zeta	S copyright	
N	zhbopomofo	B initialized	
N	zhearmenian	T mathematics	
N	zhebrevecyrillic	T alternates	
N	zhecyrillic	T dotless	
N	zhedescendercyrillic	S comment	
N	zhedieresiscyrillic	S feature	
N	zihiragana	N value	
N	zikatakana	T kerns	
N	zinorhebrew	S name	

S version		F checkflags		
D designsizes		F descriptiontosl	ot	
D filenames		F dimenfactor		
F getcompositions T list		F expandglyph F fontpatternhassize		
F prepare_features		F getdigitwidth		
F register		F getinstancespec		
F registerpostpro	cessor	F getparameters		
F report		F getprivatecharo	rnode	
T suffixes		F getprivatenode		
handlers	table	F getprivates		
hashes	table	F getprivateslot		
D characters		F hasprivate		
D classes		F indextoslot		
D csnames		F mergesteps		
D descriptions		F name		
D dynamics		F nametoslot		
D emwidths		F setdigitwidth		
D exheights		F splitfontpatter	n	
D extensibles		F tochar		
D features		infofont	function	
D identifiers		iterators	table	
D identifiers D italics		<pre>iterators F characters</pre>	table	
			table	
D italics		F characters	table	
D italics D lastmathids		F characters F descriptions	table table	
D italics D lastmathids D marks		F characters F descriptions F glyphs	table	
D italics D lastmathids D marks D modes		F characters F descriptions F glyphs loggers	table s	
D italics D lastmathids D marks D modes D originals		F characters F descriptions F glyphs loggers F add_placeholder	table s	
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T f_f		mp	table
N mess		D cache	
S name		B inline	
T unicode		N version	
T f_f_i		names	data table
N mess		nulldata	data table
S name		protrusions	data table
T unicode		readers	table
T f_f_l		F afm	
N mess		F check_lua	
S name		F check_tfm	
T unicode		F lua	
T f_i		F ofm	
N mess		F opentype	
S name		F otf	
T unicode		F pfb	
T f_j		D sequence	
S name		F tfm	
T unicode		F ttc	
T f_k		F ttf	
S name		F woff	
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F registerfiles	D variants	
F registerfontalternative	symbols	table
F registerfontfamily	T emoji	
F textfallback	F checked	
F typeface	F resolved	
F typescript	F uselibrary	
F userdata	tables	table
setdiscexpansion function	D data	
<pre>specifiers table</pre>	F savefont	
D contextmerged	F saveoriginal	
F contextnumber	tracers	table
D contextnumbers	treatments	table
D contextsetups	F applyfixes	
F contexttostring	D data	
F definecontext	S filename	
F mergecontext	F ignoredfile	
F presetcontext	F report	
F registercontext	F trace	
F showcontext	typefaces	table

F showcontext F splitcontext

functions (context)

dummy function

graphics (context)

backgrounds table

F fetchmultipar

F pair

F path

F point

gzip (extra lua)

close	function	open	function
lines	function	save	function
load	function	suffix	function

img (basic tex)

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

interactions (context)

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

interfaces (context)

addvalidkeys	function	F MPpardata
cachedsetups	data table	F MPplus
cachesetup	function	F MPpos
checkedspecification	function	F MPposset
complete	data table	F MPr
constants	data table	F MPrest
corenamespaces	data table	F MPrs
currentinterface	string	F MPul
currentresponse	string	F MPur
definecommand	function	F MPw
defined	function	F MPwhd
doifelsemessage	function	F MPx
elements	data table	F MPxy
formats	data table	F MPxywhd
getcheckedparameters	function	F MPy
getmessage	function	F Romannumerals
getnamespace	function	F abjadnodotnumerals
getsetupstring	function	F abjadnumerals
hashedsetups	data table	F adaptfontfeature
implement	function	F addcounter
interfacedcommand	function	F addfeature
interfaces	table	F addgrapheme
invalidkey	function	F addlinklistelement
message	function	F addreplacements
namespaces	table	F addtocolumnset
F define		F addtojavascriptpreamble
F list		F addtolist
registernamespace	function	F addvalidinterfacekeys
scanners	table	F allinputpaths
F Alphabetic		F alphabetic
F Character		F analysefloatmethod
F Characters		F analyzeitemgroup
F MPLIBconvertoutlinetex	t	F analyzelist
F MPc		F analyzeregister
F MPd		F applypattern
F MPh		F applytobox
F MPll		F applytofirstcharacter
F MPlr		F assignbuffer
F MPls		F autofinishstructurelevels
F MPn		F autonextspace
F MPp		F autonextstructurelevel

F autosetups F btxhandlenocite F autostarttext F btxlastofrange F autostoptext F btxlistvariant F averagecharwidth F btxloaddefinitionfile F bitmapimage F btxloadjournallist F blockcolumnset F btxloadreplacementfile F blockligatures F btxoneorrange F btxpreparelistentries F boxtostrina F bposcolumn F btxremapauthor F bposcolumnregistered F htysavedataset F btxabbreviatediournal F btxsaveiournallist F btxaddentrv F btxsetdataset F btxaddjournal F btxsetentry F btxauthor F btxsetregister F btxauthorfield F btxsetspecification F btxauthortoregister F btxsingularorplural F btxcollectlistentries F btxtoregister F htxcurrentfirstnames F btxusedataset F htxuservariable F btxcurrentinitials F btxcurrentjuniors F buildtextaccent F btxcurrentsurnames F character F btxcurrentvons F characters F btxdetail F chardescription F btxdirect F checkcolumnset F btxdoif F checkcountersetup F btxdoifelse F checkedconversion F btxdoifelsecombiinlist F checkedemoji F btxdoifelsesameasprevious F checkedpagefloat F btxdoifelseuservariable F checkinjector F btxdoifnot F checkinterfacechain F btxexpandedjournal F checktwopassdata F htxfetchlistentries F chemicalcomponent F btxfield F chinesenumerals F cleanfontname F btxfieldname F btxfieldtype F cleanupbox F btxfirstofrange F cleanuplayers F clonefield F btxflush F btxflushlistcombi F collectfloat F btxflushlistentrv F collecthelp F btxflushmarked F colorcomponents F btxflushpages F columnsetcurrentcolumn

F btxfoundname F columnsetgoto
F btxfoundtype F txhandlecite F concatcommalist

F consultfloat F definefontcolorpalette F convertbtxdatasettoxml F definefontfamily F converteddimen F definefontfamilypreset F convertmpstopdf F definefontfeature F copyboxfromcache F definefontsolution F copyposition F definehyphenationfeatures F cos F defineinsertion E defineintermediatecolor F cosd F countervalue F definelahels F counttwopassdata F definelanguage F currentcomponent F definelinefiller F definelinkedlist F currentdate F currentdesignsize F definemarking F currentenvironment F definemetafont F definemultitonecolorglobal F currentfontinstancespec F currentposthyphenchar F definenamespace F currentprehyphenchar F definenote F defineparallel F currentproduct F defineparbuilder F currentproject F currentreferenceorder F defineprocesscolordummy F currentsectiontolist F defineprocesscolorglobal F datasetvariable F defineprocesscolorlocal F defineprogram F dayname F decimals F definereference F decrement counter F defineregister F decrementedcounter F definerule F definesectionlevels F decrementsubcounter F defineaccents F defineshift F defineattribute F definesnapmethod F definebreakpoint F definespotcolorglobal F definebreakpoints F definestructureblock F definecharacterspacing F definestructureset F definechemical F definetransparency F definecolumnset F definetransparencyglobal F definetwopasslist F defineconversion F definecounter F definetypeface F defineviewerlayer F definedlayoutcomponent F definefallbackfamily F depthnumber F definefield F digits normal F definefieldset F digits reverse F definefilefallback F directboxfromcache F definefilesynonym F directcopyboxfromcache F disableautofontscript F definefont one F definefont two F disabledirectives

F disableexperiments F doifelseparentfile F disableiobsave F doifelsepathexist F disableparbuilder F doifelseposition F disableregime F doifelsepositiononpage F disablespellchecking F doifelsepositionsonsamepage F disablestatetriggering F doifelsepositionsonthispage F disablestream F doifelsepositionsused F disabletrackers F doifelserangeonnage F discardfromlist F doifelsereference F doanalyzeframedbox F doifelserighttoleftinbox F doifcommon F doifelsesame F doifcounter F doifelsestackedfloats F doifelseblack F doifelsesvnonvmshown F doifelseboxincache F doifelsesynonymused F doifelsebuffer F doifelseurldefined F doifelsecharinfont F doifelseutfmathabove F doifelsecommon F doifelseutfmathaccent F doifelsecontinuewithfile F doifelseutfmathbelow F doifelseutfmathfiller F doifelseconverter F doifelsecounter F doifelseutfmathlimop F doifelsecurrentfonthasfeature F doifelsevisualizer F doifelsedrawingblack F doiffieldsetelse F doifinset F doifelsefieldcategory F doifelsefiledefined F doifnotcommon F doifelsefileexist F doifnotcounter F doifnotecontent F doifelsefirstchar F doifelsefontpresent F doifnoteonsamepageasprevious F doifelseinelement F doifnotinset F doifnotsame F doifelseinputfile F doifelseinset F doifposition F doifelseintwopassdata F doifsame F doifelseleapyear F doprocesstypescriptfile F doifelselisthasentry F doreshapeframedbox F doifelselisthasnumber F dosaveposition F doifelselisthaspage F dosavepositionplus F doifelselisthastitle F dosavepositionwhd F doifelselocfile F dosetposition F doifelsemarking F dosetpositionbox F doifelsemessage F dosetpositionplus F doifelseobiect F dosetpositionstrut F doifelseobiectreference F dosetpositionstrutkind F doifelseolderversion F dosetpositionwhd F doifelseoverlapping F dostarttextfile

F dostoptextfile

F doifelseparallel

F elapsedtime F fetchonemark F enableasciimode F fetchposboxes F enableautofences F fetchtwomarks F enableautofontscript F figure check F enablebackgroundalign F figure done F enablebackgroundboxes F figure dummy F figure_flush_registered_pages F enablecolor F enablecolorintents F figure identify F enablecrlf F figure include F enabledirectives F figure mergegoodies F enableexperiments F figure nof registered pages F enablefontcolorschemes F figure pop F enableinteraction F figure_push F enablelinefillers F figure register page F enableparbuilder F figure reset F enableregime F figure_scale F enablerules F figurefilename F enableshifts F figurefilepath F enablespellchecking F figurefiletype F enablestatetriggering F figurerequest F enablestream F figuresetdimensions F enabletrackers F figurestatus F enabletransparency F figureused F enableutf F filterdefaultreference F enhancelinkedlist F filterreference F enhancelist F finalizebox F enhancereference F findregisterinternal F enhanceregister F findtwopassdata F finishcolumnsetflush F eposcolumn F eposcolumnregistered F finishexport F erasebuffer F firstcountervalue F execute F firstinset F expandcurrentreference F firstsubcountervalue F flushcolumnsetareas F exportformdata F exportreferences F flushcolumnsetcolumn F extendregister F flushcolumnsetrest F extensiblecode F flushfloat F fakenextstrutline F flushlabeledfloat F fakeword F flushnotes F featureattribute F flushpageinjectionsafter F featurelist F flushpageinjectionsbefore F feedback F flushpostponedblocks F fetchallmarks F flushpostponednotes

F flushstream

F fetchmultipar

F flushstreamcopy F getmessage F fontchar F getmpextensions F fontcharbyindex F getnaturaldimensions F fontcollectionclone F getnaturalwd F fontcollectiondefine F getnotestate F fontcollectionprepare F getobjectdimensions F fontcollectionregister F getobjectreference F fontcollectionreport F getobjectreferencepage F fontcollectionreset F getprivatechar F fontlookupgetkey F getprivateglyphslot F fontlookupgetkevofindex F getprivatemathchar F fontlookupinitialize F getprivateslot F fontlookupnoffound F getprogram F forceendjob F getrandomdimen F forcequitjob F getrandomfloat F formatcolor F getrandomnumber F formatgray F getrandomseed F from F getreadfilename F frule F getsetupstring F getbidimode F getsomefullstructurenumber F getbodyfontsizes F getsomestructurenumber F getboxfromcache F getspecificstructuretitle F getbuffer F getstructurelevel F getbufferctxlua F getstructurenumber F getbuffermkvi F aetsubstrina F getcheckedinterfaceparameters F gettexbuffer F getcurrentprefixspec F gettwopassdata F getcurrentreferencemetadata F gettwopassdatalist F getdefaultfieldvalue F geturl F getdocumentargument F getvisual F getdocumentfilename F hboxtovbox F getelementtag F helpaction F getfieldcategory F helpreference F getfile F hexstringtonumber F horizontalcode F getfirstcharacter F getfirsttwopassdata F hour F getfloatvariable F hyphenatedlist F getfullstructurenumber F hyphenatedurl F getinternalcachedlistreference F immediatemessage F getinternallistreference F incrementcounter F getlasttwopassdata F incrementedcounter F getmarking F incrementsubcounter F initializeexport F getmathdomain

F initializejob

F getmathitalics

F initializemathdomain F loadexamodes F initializemathitalics F loadfontgoodies F initializemathkernpairs F loadluamodule F initializestream F loadmapfile F initializetexdirectives F loadmapline F initializetextrackers F loadspellchecklist F injectcurrentreference F loadtypescriptfile F loadvisualizer F injectcurrentreferencehtdp F injectreference F locatefilepath F inlinechemical F locfilename F inputfilebarename F lower F inputfilename F lpdf adddocumentcolorspace F inputfilerealsuffix F lpdf_adddocumentextgstate F inputfilesuffix F lpdf adddocumentpattern F insertattachment F lpdf adddocumentshade F insertcomment F lpdf addtocatalog F insertfield F lpdf_addtoinfo F insertionnumber F lpdf addtonames F insertrenderingwindow F lpdf addtopageattributes F installedlanguages F lpdf addtopageresources F installtexdirective F lpdf addtopagesattributes F installtextracker F lpdf collectedresources F jobfilefullname F lpdf_color F jobfilename F luascript F jobfilesuffix F luathread F languagenumber F lxmlid F lastcountervalue F markcontent F lastlinewidth F markingnumber F lastsubcountervalue F markingtitle F lchexnumber F markinjector F lchexnumbers F markregionbox F leapyear F markregionboxcorrected F linenumbersstageone F markregionboxtagged F linenumbersstagetwo F markregionboxtaggedkind F markvisualfonts F listgroupindex F listlabel F mathfraction F listlocation F mathrenderset F listnamespaces F message F listprefixednumber F metapostescaped F listprefixedpage F metapostformatted F listrealpage F metapostgraphformat F listsize F minute F mixcleanup F listtitle F listuserdata F mixfinalize

F mixflushlist F ntimes F mixflushrest F number F mixgetsplit F numbers F mixsetsplit F octnumber F mixstate F octstringtonumber F molecule F operatingsystem F month F ordinal F monthmnem F outputfilename F monthname F overloadbookmark F mpcolor F overloaderror F mpflushliteral F overloadlowercase F mpflushreset F overloaduppercase F mpgettext F pageofinternal F mpgraphic F pagestaterealpage F mpoptions F parpos F mppopvariables F pdfannot F mppushvariables F pdfdest F pdfrotation F mprunset F mpruntab F pdfstartmatrix F mprunvar F pdfstartmirroring F mpsetclippath F pdfstartrotation F mpsetoutercolor F pdfstartscaling F pdfstopmatrix F mpsetsxsy F pdfstopmirroring F mpsettext F mptexaet F pdfstoprotation F mptexreset F pdfstopscaling F percentageof F mptexset F mptexsetfrombuffer F pgfxcolorspec F namedstructureuservariable F pickupbuffer F namedstructurevariable F pickupmarkedcontent F naturalwd F pickuppunctuation F nhfs F placeparallel F negatedcolorcomponent F popfloat F nextcountervalue F pophyphenation F popitaliccorrection F nextparallel F nextsubcountervalue F poplist F nofconversions F poppath F nofdays F poprandomseed F nofstackedfloats F popreferenceprefix F notedeltapage F popregime F noteinternal F popsectionblock F notelistindex F postponenotes

F prefixedconverted

F prepareMPvariable

F noteprefixednumber

F notetitle

F preparecolumnsetflush F registerbodyfontsize F presetmathalternate F registerbookmark F presetsymbollist F registerbuttons F presettabulate F registercolorintent F previouscountervalue F registercolumnsetarea F previoussubcountervalue F registeredviewerlayer F processbodyfontsizes F registerfigurepattern F processbuffer F registerfiguresuffix F processcolorcomponents F registerfontalternative F processedfile F registerfontfallbackid F processedfiles F registerfontfamily F processfile F registerhelp F processfilemany F registerhyphenationexception F processfilenone F registerhyphenationpattern F processfileonce F registeritemgroup F processiob F registerlanguagefeatures F processlist F registerlinenumbering F processregister F registermaintextcolor F processsplit F registermpyfile F processsynonyms F registernamedlua F profilebox F registernamespace F purefontname F registerobject F pushfloat F registerpattern F pushhyphenation F registerpostponedblock F pushitaliccorrection F registerreferencedobject F pushlist F registerrendering F registersection F pushpath F pushrandomseed F registershownsynonym F pushreferenceprefix F registerstructureprocessor F pushregime F registersynonym F pushsectionblock F registerunit F pushstream F registerusedsynonym F putboxincache F registeruserdata F putincolumnset F relatemarking F rawcharacter F renderingvar F rawcountervalue F replacefeature F rawsetupstring F replacepospxywhd F rawsubcountervalue F reportstructure F referencepagedetail F resavefloat F referencepagestate F resetboxesincache F referencerealpage F resetcharacteralign F registerattachment F resetcolumnset F resetcounter F registerbackendsymbol

F reseteffect

F registerbackground

F resetfeature F savefont F resetfontfeature F savemargindata F resetfontsolution F savenote F resetiniector F savepagedata F resetitaliccorrection F savepageinjections F resetmapfiles F saveparallel F resetmarking F savespecificfloat F resetmathattributes F savestructureblock F savetaggedtwopassdata F resetmathhang F resetmathitalics F savetwopassdata F resetnullfont F savevariable F resetparallel F second F resetpath F selectstructureblock F resetprevdepth F setactivecatcodes F resetreference F setbreakpoints F resetscript F setcharacteralign F resetshownsynonyms F setcharactercasing F setcharactercleaning F resetstructureprocessor F resetsubcounter F setcharacterkerning F resettimer F setcharacterspacing F resettrackers F setcharacterstripping F resetusedsvnonvms F setclosedocumentaction F resolvedemoji F setclosepageaction F restartcounter F setcolormodel F restartsubcounter E setcolumnsetarea F restorecounter F setcolumnsetlines F restorecurrentattributes F setcolumnsetproperties F restorenote F setcolumnsetstart F restoreobject F setcounter F reuserandomseed F setdataset F revivefeature F setdestinationattribute F romannumerals F setdigitsmanipulation F rounded F setdirection F ruby F setdocumentargument F runbuffer F setdocumentcommandline F runcontextiob F setdocumentctxfile F safechar F setdocumentdefaultargument F savebuffer F setdocumentenvironments F savecounter F setdocumentfilename F savecurrentattributes F setdocumentfilenames F savedlistnumber F setdocumentmodes F savedlistprefixednumber F setdocumentmodules

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F seteffect

F setelementuserproperties

F savedlisttitle

F savefloat

F setextrafontkerns F setmpextensions F setfieldcalculationset F setnaturalwd F setfigurelookuporder F setnegative F setfigurepaths F setnextinternalreference F setfirstline F setnextreferenceorder F setfontfeature F setnotestate F setfontofid F setopendocumentaction F setfontsolution F setopenpageaction F setformat F setowncounter F setformsmethod F setownsubcounter F sethsizecolumnset F setpagecolormodel F sethsizecolumnspan F setpagestate F sethyphenatedurlcharacters F setpagestaterealpageno F sethyphenationfeatures F setpagetransition F sethyphenationmethod F setparbuilder F setinitial F setpdfcompression F setinitialsectionblock F setprofile F setrandomseed F setinjector F setinnerreferencemethod F setrealign F setinsertionlocation F setrealspaces F setinterfaceconstant F setreferencearguments F setinterfaceelement F setreferenceoperation F setinterfacemessage F setregionbox F setinterfacemessages F setregionboxtagged E setinterfacevariable F setregistermethod F setinternal reference F setreplacements F setitaliccorrection F setruby F setjavascriptpreamble F setscript F setjobcomment F setsectionblock F setlanguageexceptions F setsectionentry F setlanguagesynonym F setstructureblockstate F setlettercatcodes F setstructurelevel F setmapfile F setstructurenumber F setmapline F setsubcounter F setmarking F settagaspect F setmathalphabet F settagcombination F setmathalternate F settagconstruct F setmathattribute F settagdelimitedsymbol F setmathdirection F settagfigure F setmathdomain F settaggedmetadata F setmathhang F settaghighlight F setmathitalics F settagitem F setmathpenalties F settagitemgroup

F settaglist

F setmathstyle

F settagnotation F sin F settagnotationsymbol F sind F settagproperty F specifiedfont F settagproperty b F specifiedfontsize F settagproperty n F specifiedfontspec F settagregister F splitfilename F settagsorting F spotcolorname F spotcolorparent F settagsubsentencesymbol F settagsynonym F spotcolorvalue F settagtablecell F startactualtext F settagtabulatecell F startchemical F setupbookmarks F startcolorset F setupcanvas F startcomponent F setupcharacterspacing F startenvironment F setupexport F startfontsolution F setupfontexpansion F startparbuilder F setupfontprotrusion F startproduct F setupidentity F startproject F setupinsertion F startregime F setupitaliccorrection F startruby F setuplinenumbering F startsectionlevel F setupsynctex F startstream F setuserinterface F starttag F setvalidinterfacekeys F starttag c F setvisual F starttag d F setvisualfont F starttag u F setvisuallayer F starttext F setvisuals F startviewerlayer F setvsizecolumnset F step F setxmpfile F stopactualtext F showassignerror F stopchemical F showattributes F stopcolorset F showcounter F stopcomponent F showdebuginfo F stopenvironment F showdirectives F stopfontsolution F showdiscretionaries F stopparbuilder F showexperiments F stopproduct F showhyphenatedinlist F stopproject F showhyphenationtrace F stopregime F showinjector F stopsectionlevel F showjustification F stopstream F showlogcategories F stoptag

F showmessage

F showtrackers

F stoptext

F stopviewerlayer

F storejavascriptcode F transparencycomponents F storejavascriptpreamble F triggerpagebuilder F storenote F truefilename F storeregister F truefontname F strdp F type F strhd F typebuffer F strht F typefile F typesetbuffer F strip F structureautocatcodedget Fuchar F structurecatcodedget Fuchexnumber F uchexnumbers F structuregivencatcodedget F undefinechemical F structurenumber F structuretitle F unicodechar F structureuservariable F unihex F structurevariable F unit normal F strwd F unit_reverse F subcountervalue F unloadlanguage F subcountervalues F upper F subsubcountervalues F useMPlibrary F subtractfeature F useanyfile F synccolor F useanvfileonce F synccolorclone F usecldfile F synccolorcount F usecldfileonce F synchronizemarking F usecolors F synchronizestream F usecomponent F synctexblockfilename F useenvironment F usefigurebase F synctexpause F synctexresetfilename F usefile F usejavascriptpreamble F synctexresume F synctexsetfilename F usejavascriptscripts F synonymmeaning F useluafile F synonymname F useluafileonce F systemlog E useluamodule F usemodules F tagmfunctionlab F tagmfunctiontxt F usepath F tan F useproduct F useproject F tand F texdefinition_one F usesubpath F texdefinition_two F usesymbols F textime F usetexfile F thefirstcharacter F usetexfileonce F themaxboxwidth F useurl F theremainingcharacters F usexmlfile F tochar F usexmlfileonce

F usezipfile F xmlapplyselectors F utfchar F xmlatt F utfmathclass F xmlattdef F utfmathcommand F xmlattribute F utfmathcommandabove F xmlattributedef F utfmathcommandbelow F xmlbadinclusions F utfmathcommandfiller F xmlbeforesetup F utfmathfiller F xmlchainatt F utfmathstretch F xmlchainattdef F vhoxlisttohhox F xmlchecknamespace F verbose F xmlcommand F vspacing F xmlconcat F vspacingcollapse F xmlconcatrange F vspacingcollapseonly F xmlcontext F vspacingdefine F xmlcount F vspacingsetamount F xmldelete F vspacingsnap F xmldirect F xmldirectives F way F xmldirectivesafter F weekday F weekdayname F xmldirectivesbefore F writestatus F xmldisplayverbatim F x table c F xmldoif F xmldoifelse F x_table_cleanup F xmldoifelseempty F x_table_construct F x table create F xmldoifelseselfemptv F x table finish row F xmldoifelsetext F x_table_flush F xmldoifempty F x table init construct F xmldoifnot F x table init reflow height F xmldoifnotempty F x_table_init_reflow_height_option F xmldoifnotselfempty F x_table_init_reflow_width F xmldoifnottext F x table init reflow width option F xmldoifselfempty F x table next row F xmldoiftext F xmlelement F x_table_next_row_option F xmlfilter F x_table_r F x table reflow height F xmlfilterlist F x_table_reflow_width F xmlfirst F x_table_set_construct F xmlflush F x_table_set_reflow_height F xmlflushcontext F x_table_set_reflow_width F xmlflushlinewise F xmladdindex F xmlflushpure F xmlaftersetup F xmlflushsetups F xmlflushspacewise F xmlall

F xmlflushtext

F xmlappendsetup

F xmlfunction F xmlsnippet F xmlgetindex F xmlstartraw F xmlinclude F xmlstarttiming F xmlincludeoptions F xmlstopraw F xmlinclusion F xmlstoptiming F xmlinclusions F xmlstrip F xmlindex F xmlstripanvwhere F xmlinlineverbatim F xmlstripnolines F xmlinstalldirective F xmlstripped F vmllast F xmlstrippednolines F xmllastatt F xmltaq F xmllastmatch F xmltexentity F xmlload F xmltext F xmlloadbuffer F xmltobuffer F xmlloaddata F xmltobuffertextonly F xmlloaddirectives F xmltobufferverbose F xmlloadentities F xmltofile F xmlmain F xmltoparameters F xmlmatch F xmlverbatim F xmlwithindex F xmlname F xmlnamespace F vear setconstant function F xmlnonspace function F xmlpath setcount setdimen function F xmlpopmatch setelement function F xmlpos setformat function F xmlprependsetup function setmacro F xmlpure setmessage function F xmlpushmatch F xmlraw setmessages function settranslation function F xmlrawtex setupstrings data table F xmlrefatt setuserinterface function F xmlregisterns F xmlremapname setvalidkevs function setvariable function F xmlremapnamespace function showmessage F xmlremovesetup storedscanners data table F xmlresetinjectors strings table F xmlresetsetups syntax data table F xmlsave tolist function F xmlsetcommandtonone translations data table F xmlsetcommandtotext F xmlsetentity usednamespaces data table variables F xmlsetinjectors data table writestatus function F xmlsetsetup

io (basic lua)

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

loadchunk function
loaddata function
loadlines function
noflines function

open overloaded function
output overloaded function

pathseparator string

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

job (context)

comment	function	F	define	
datasets	table	F	find	
D collected		F	first	
F extend		F	get	
F getdata		F	getcollected	
F setdata		F	getdata	
D tobesaved		F	getfield	
disablesave	function	F	gettobesaved	
fileobjreferences	table	F	inlist	
D collected		F	last	
D tobesaved		F	list	
files	table	F	save	
D collected		F	savetagged	
F context		D	tobesaved	
B forcerun		posi [.]	tions tal	ble
F run		F	b_column	
D tobesaved		F	b_region	
getrandomseed	function	F	С	
initialize	function	D	collected	
load	function	F	column	
loadother	function	F	сору	
objects	table	F	depth	
D collected		F	e_column	
F get		F	e_region	
F number		F	enhance	
F page		F	extra	
F save		Т	free	
F set		F	get	
D tobesaved		F	getreserved	
pack	boolean	F	gettobesaved	
packversion	number	F	hangafter	
pagestates	table	F	hangindent	
D collected		F	height	
F extend		F	hsize	
F realpage		F	leftskip	
F setstate		F	lowerleft	
D tobesaved		F	lowerright	
passes	table	F	markregionbox	
F check		F	n	
D collected		F	onsamepage	
F count		F	overlapping	

_	_	
Fp	F y	
T page	register	function
F paragraph	save	function
F parindent	structure	table
F position	D collected	
Fr	T components	
F region	T tobesaved	
F replace	T branches	
F rightskip	S name	
F set	S type	
F setall	variables	table
F setregionbox	D checksums	
D tobesaved	D collected	
F upperleft	F getchecksum	
F upperright	F makechecksum	
S used	F restore	
F whd	F save	
F width	F setchecksum	

F x

F xy

D tobesaved

number

version

lang (basic tex)

clean	function	id	function
clear_hyphenation	function	new	function
clear_patterns	function	patterns	function
exceptions	function	postexhyphenchar	function
gethjcode	function	posthyphenchar	function
hyphenate	function	preexhyphenchar	function
hyphenation	function	prehyphenchar	function
hyphenationmin	function	sethjcode	function

languages (context)

associate	function	E	
associated	data table	F registerpattern	
association	function	F setfeatures installed	function
counters	data table	labels	table
current	function	F define	table
data	data table		
decimals	data table	F split loadable	function
define	function	loadwords	function
	function		table
expand flatten	function	logger	table
	table	F report nofflattened	function
frequencies	table	numbers	data table
F averagecharwidth			function
F getdata	function	postexhyphenchar	function
getdata	function	posthyphenchar preexhyphenchar	function
getnumber	table		function
hjcounts	function	prehyphenchar registered	data table
hyphenate hyphenators	table	replacements	table
T dictionaries	table	F add	table
D featuresets		F handler	
F handler		F set	
T methods		serializediscretionary	function
F expanded		setexceptions	function
B none		setsynonym	function
F original		showdiscretionaries	function
F tex		unload	function
F traditional		urls	table
F popmethod		D characters	10010
F pushmethod		N lefthyphenmin	
F setmethod		D mapping	
F setup		B packslashes	
F showhyphenationtrace		N righthyphenmin	
T traditional		F setcharacters	
F definefeatures		version	number
F gettrace		visualizediscretionaries	function
F hyphenate		words	table
F injecthyphens		F check	
F installmethod		T data	
F lasttrace		F disable	
F loadpatterns		F enable	
F registerexception		T enablers	

B enables

F found

Fload

T methods

N threshold

layouts (context)

status table
 F isleftpage

F leftorrightpageaction

lfs (extra lua)

attributes	overloaded	function
chdir	overloaded	$ \hbox{function} $
currentdir	function	
dir	overloaded	$ \hbox{function} $
isdir	overloaded	$ \hbox{function} $
isfile	overloaded	$ \hbox{function} $
lock	function	
lock_dir	overloaded	$ \hbox{function} $
mkdir	overloaded	function

mkdirs	function	
readlink	overloaded	function
rmdir	overloaded	function
setmode	overloaded	function
shortname	overloaded	function
symlinkattributes	overloaded	function
touch	overloaded	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
convert	function
convertfile	function
convertstring	function
einject	function
eprint	function
escape	function
finalized	function
finject	function
fprint	function
get	function
getvariables	function
htmfile	function
html	table
Fa	
F td	
F th	
include	function

S color-background-four

table

- S color-background-one
- S color-background-three
- S color-background-two
- S title

inherited

initialize	tunction
inject	function
lmxfile	function

loadedfile	function
make	function
new	function
overloaderror	function
popupfile	function
print	function
pv	function
report	function
reset	function
result	function
set	function
show	function
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	reportlines	function
categories	function	setformats	function
direct	function	setformatters	function
disable	function	setlogfile	function
enable	function	setmessenger	function
exporters	table	setprocessor	function
extendbanner	function	setprogram	function
flush	function	settarget	function
help	function	settimedlog	function
messenger	function	settranslations	function
new	function	show	function
newline	function	show_close	function
poptarget	function	show_load	function
pushtarget	function	show_open	function
report	function	simple	function
reportbanner	function	simpleline	function
reporter	function	simplelines	function
reporters	table	start_page_number	function
F banner		status	function
F export		stop_page_number	function
F help		subdirect	function
F info		subreport	function
F lines		system	function
F version		texerrormessage	function
reportline	function	writer	function

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	getmpos 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	pagereference	function
colorvalue	function	patternstream	function
colorvalues	function	pdfcolor	function
constant	function	pdftimestamp	function
delayedobject	function	permitdetail	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		registerpattern	function
F getstructure		reserveobject	function
F load		rgbcode	function
F unload		rotationcm	function
escaped	function	setdates	function
- F			

settime	function	tosixteen	function
settrailerid	function	transform	function
shareobject	function	transparency	function
shareobjectreference	function	transparencycode	function
spotcode	function	transparencygroups	table
stream	function	B none	
string	function	transparencyvalue	function
timestamp	function	unicode	function
toeight	function	verbose	function
topdfdoc	function		

lpeg (basic lua)

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

ltn12 (extra lua)

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

lua (basic tex)

bytecode	table	lastbytecode	number
bytedata	data table	mask	string
bytedone	table	messages	data table
B page-cst		name	table
collectgarbage	function	numbers	data table
delay	function	registercode	function
finalize	function	registeredcodes	function
firstbytecode	number	registerfinalizer	function
flush	function	registername	function
flushdelayed	function	setbytecode	function
<pre>get_functions_table</pre>	function	setluaname	function
getbytecode	function	startupfile	string
getluaname	function	version	string

luatex (context)

cleanuptempfiles function F enable currentfile function F finish registerdumpactions function F pause registerpageactions function F registerdisabler registerstartactions function F registerenabler registerstopactions function F resetfilename registertempfile function F resume starttime number F setfilename synctex table F setup F blockfilename F start

F stop

F wrapup

lxml (context)

- 442 - 4	for the co	£1	£
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	inlineverbatim	function
context	function	installsetup	function
convert	function	last	function
count	function	lastatt	function
delete	function	lastmatch	function
direct	function	load	function
directives	table	loadbuffer	function
F after		loaddata	function
F before		loaded	table
F handle		main	function
F load		match	function
F setup		name	function
displayverbatim	function	namespace	function
doif	function	nonspace	function
doifelse	function	path	function
doifelseempty	function	popmatch	function
doifelsetext	function	pos	function
doifempty	function	position	function
doifnot	function	pure	function
doifnotempty	function	pushmatch	function
doifnottext	function	raw	function
doiftext	function	rawroot	function
element	function	rawtex	function
elements	function	refatt	function
entities	data table	register	function
filter	function	registerentity	function
filterlist	function	removesetup	function
first	function	resetcdata	function

resetsetups	function
resolvedentity	function
root	function
save	function
serialize	function
setaction	function
setcdata	function
setcommandtonone	function
setcommandtotext	function
setsetup	function
snippet	function
sorters	table

F add
F compare
F flush
F reset
F show
F sort

splitid function function startraw startunescaped function function stopraw function stopunescaped function store strip function stripped function function tag function text tobuffer function tofile function function toparameters toverbatim function verbatim function withindex function xmltexhandler data table

math (basic lua)

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

mathematics (context)

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

mbox (context)

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

md5 (extra lua)

HEX	function
crypt	function
dec	function
decrypt	function
exor	function

hex function
sum function
sumHEXA overloaded function
sumhexa overloaded function

metapost (context)

checkformat function gettext function checkformat function graphic separate function colorinitializer function initializescriptrunner function comment function instance function convert function instance function convert function intermediate table defaultformat string function load function directrun function load function escaped function makempy table extensiondata data table function makempy table function flushers table metafun table T pdf F comment F flushfigure F startfigure f startfigure f function flushers table parse fonts function flushers table parse function flushers function nytomat function flushers function nytomat function flushers function pluginations function flushers f function properties for function flushiteral function nytomat function flushiteral function properties for financial function flushrese financial function pupinate for financial function properties function flusher financial function properties function flusher financial function pupinations function flushers table parse function flushers table parse function flushreset function process function process function function function function function function function function function proversible function format function process function format function process function format function pushvariable function format_number function pushvariable function format_number function reducetogray boolean getjobata function reporterror function getjobata	11	£		£
colapse boolean graphic function colapse boolean graphic_base_pass function colorinitalizer function initializescriptrunner function comment function instance function convert function intermediate table defaultformat string Tactions feature function defaultmethod string Issue featultmethod string lastlog string directrun function load function escaped function makempy table exectime table Processgraphics filterclippath function Fregisterfile flush function maketext function flushers table metafun table I pdf F comment F topath F topath F topath F storfigure F storfigure F storfigure F textfigure F textfigure F textfigure F textfigure F function in number flushnormalpath function nyformat function flushrese function optimize boolean fonts table parse function F f define F flushfigure popvariable function F f testrifigure F textfigure F textfigure F function process function function flushrese function optimize boolean fonts table parse function proversible function F f define F textfigure F function process function F f define F flushigure F function optimize boolean fonts table parse function proversible function proversible function proversible function function function function function function function function proversible function process function process function function function process function function function processpecial function format function properties table format_number function pushvariables function format function function reducetogray boolean getextensions function reducetogray boolean getextensions function function reducetogray boolean getextensions	analyzeplugins	function	getstatistics	function
collapse boolean graphic_base_pass function colorinitalizer function initializescriptrunner function comment function instance function convert function intermediate table defaultformat string Tactions defaultformat string Tactions defaultmethod string lastlog string directrun function load function escaped function makempy table exectime table N nofconverted extensiondata data table F processgraphics filterclippath function makempy table T pdf F interpolate F toment F function maket function flushers table metafun table F startfigure F textfigure F convertmpstopdf F textfigure F textfigure F textfigure F toment flushnormalpath function n n number flushnormalpath function nyformat function flushreset function optimize boolean fonts table parse function popyariable function F startfigure F stopfigure F filushfigure popyariable function frushreset function optimize boolean fonts function process function process function process function function function function function function filushreset function popyariable function function function process function format function process function process function format function process function format function process function format function process function format function process pulsales function format function pushvariable function format function pushvariables function format function quickanddirty function getclippath function reducetogray boolean getextensions function function reducetogray boolean getextensions			3	
colorinitializer function initializescriptrunner function comment function instance function convert function instance function instance function table defaultformat string Tactions defaultinstance string Fmakempy defaultmethod string lastlog string directrun function load function escaped function makempy table exectine table N mortconverted fusching function function function fregisterfile fusch function maketx function flushers table metafun table T pdf Finterpolate F topath function fromat function n n number function fusching function function fregisterfile fusching function n number function function optimize boolean function proversel function functio				
comment function instance function convert function intermediate table defaultformat string Tactions defaultinstance string Intermediate defaultmethod string lastlog string directrun function load function exectime table Nofconverted exectime table Forcessgraphics extensiondata data table Forcessgraphics filterclippath function maketext function flush function maketext function flush function maketext function flushigure Finterpolate Finterpolate Forment Finterpolate Finterpolate Finterpolate Finterpolate	•			
convertfunctionintermediatetabledefaultformatstringT actionsdefaultmethodstringlastlogstringdirectrunfunctionloadfunctionescapedfunctionmakempytableexectimetableN nofconvertedextensiondatadata tableF processgraphicsfilterclippathfunctionF registerfileflushfunctionmaketextfunctionflusherstableF interpolateF commentF interpolateF repathF flushfigureF topathnumberF startfigureP convertmpstopdftableF textfigureF convertmpstopdftableF textfigureF convertmostopdfnumberflushliteralfunctionnnumberflushresetfunctionnvformatfunctionflushresetfunctionoptimizebooleanfontstableparsefunctionF definepdfliteralsfunctionT flusherpluginactionsfunctionF startfigurepopvariablefunctionF startfigureprocessfunctionF stopfigureprocessfunctionF stopfigureprocessfunctionF stopfigureprocessfunctionF stopfigureprocessfunctionF processfunctionprocesspluginsfunctionF processfunctionprocesspluginsfunction			•	
defaultformat string F makempy defaultmethod string lastlog string directrun function load function escaped function makempy table exectime table N nofconverted extensiondata data table F processgraphics filterclippath function maketext function flush function maketext function flushers table metafun table T pdf F interpolate F topath restriction F flushfigure method number F startfigure F convertmpstopdf table F startfigure F convertmpstopdf table flushliteral function n nofconverted flushreset function n number flushreset function nvformat function f define parse function F flushfigure populinactions function F startfigure populinactions function F startfigure process function F startfigure process function F stopfigure processplugins function </th <th></th> <th></th> <th></th> <th></th>				
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F define T flusher F flushfigure F startfigure F stopfigure N instances F process F pr	flushreset	function	optimize	boolean
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formatnumber function quickanddirty function getclippath function reducetogray boolean getextensions function reporterror function	format_number	function	pushvariable	function
getclippathfunctionreducetograybooleangetextensionsfunctionreporterrorfunction	format_string	function	pushvariables	function
getextensions function reporterror function	formatnumber	function	quickanddirty	function
	getclippath	function	reducetogray	boolean
getjobdata function reset function	getextensions	function	reporterror	function
	getjobdata	function	reset	function

resetlastlog	function	F get	
resetplugins	function	F reset	
runscript	function	F set	
scripterror	function	F setfrombuffer	
setextensions	function	texerrors	boolean
setoutercolor	function	texexp	function
settext	function	textextsdata	function
setvariable	function	theclippath	function
showlog	boolean	totable	function
simple	function	unload	function
svformat	function	untagvariable	function
tex	table	variables	table

mime (extra lua)

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

mp (context)

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

defaultcolormodel	function	positionbox	function
dimensions	function	positioncurve	function
disposehash	function	positionpage	function
format	function	positionpath	function
formatted	function	positionpxy	function
fprint	function	positionregion	function
get	table	positionwhd	function
F boolean		positionxy	function
F number		prefix	function
F numeric		print	function
F string		quadruple	function
get_outline_text	function	quoted	function
getcount	function	report	function
getdimen	function	setcount	function
gettoks	function	setdimen	function
graphformat	function	settoks	function
inhash	function	size	function
integer	function	systemmode	function
isarray	function	tb_dimensions	function
mode	function	texstr	function
n	function	texvar	function
newhash	function	tohash	function
numeric	function	triplet	function
pair	function	tt_dimensions	function
path	function	tt_initialize	function

function

positionanchor

mplib (extra tex)

fields function
finder function
finders table

F file

get_boolean function
get_number function

get_numeric function
get_string function

new overloaded function

pen_info function
preprocessed function
version function

noads (context)

handlers	table	F tags	
F align		F unscript	
F alternates		F variants	
F autofences		process	function
F classes		processnested	function
F collapse		processors	table
F domains		T autofences	
F families		T collapse	
F italics		F mlist_to_hli	st
F kernpairs		T relocate	
F makeup		T render	
F relocate		T resize	
F render		T unscript	
F resize		processouter	function
F showtree			

node (basic tex)

F getkern

check discretionaries function F getlang check discretionary function F getleader copy function F getlist copy list function F getnext function count F getnucleus function current attr F getoffsets dimensions function F getpenalty direct table F getprev F check discretionaries F getproperty F check discretionary F getshift F copy F aetsub F copy list F getsubtype F getsup F count F current attr F getwhd F dimensions F getwidth F effective glue F has attribute F end_of_math F has_field F find attribute F has glyph F hpack F first glyph F flatten discretionaries F insert after F flush list F insert before F flush node F is char F flush properties table F is direct F is_glyph F free F get attribute F is node F get_properties_table F is zero glue F get_synctex_fields F kerning F getattributelist F last node F aetboth F lenath F getbox F ligaturing F getchar F new F getcomponents F protect glyph F getdepth F protect glyphs F getdir F protrusion skippable F getdisc F rangedimensions F getfield F remove F getfont F set attribute F getglue F set_properties_mode F getheight F set_synctex_fields F getid F setattributelist

F setboth

F setbox		end_of_math	function
F setchar		family_font	function
F setcomponents		fields	function
F setdepth		find_attribute	function
F setdir		first_glyph	function
F setdisc		fix_node_lists	function
F setfield		flatten_discretionaries	function
F setfont		flush_list	function
F setglue		flush_node	function
F setheight		flush_properties_table	function
F setkern		free	function
F setlang		get_attribute	function
F setleader		get_properties_table	function
F setlink		getboth	function
F setlist		getchar	function
F setnext		getdisc	function
F setnucleus		getfield	function
F setoffsets		getfont	function
F setpenalty		getglue	function
F setprev		getid	function
F setproperty		getleader	function
F setshift		getlist	function
F setsplit		getnext	function
F setsub		getprev	function
F setsubtype		getproperty	function
F setsup		getsubtype	function
F setwhd		getwhd	function
F setwidth		has_attribute	function
F slide		has_field	function
F tail		has_glyph	function
F todirect		hpack	function
F tonode		id	function
F tostring		insert_after	function
F traverse		insert_before	function
F traverse_char		is_char	function
F traverse_id		is_glyph 	function
F unprotect_glyph		is_node	function
F unprotect_glyphs		is_zero_glue 	function
F unset_attribute		kerning	function
F usedlist		last_node	function
F uses_font		length	function
F vpack		ligaturing	function
F write	£ 1.1	mlist_to_hlist	function
effective_glue	function	new	function

next	function	tail	function
prev	function	tostring	function
protect_glyph	function	traverse	function
protect_glyphs	function	traverse_char	function
protrusion_skippable	function	traverse_id	function
rangedimensions	function	type	function
remove	function	types	function
set_attribute	function	unprotect_glyph	function
set_properties_mode	function	unprotect_glyphs	function
setfield	function	unset_attribute	function
setglue	function	usedlist	function
setproperty	function	uses_font	function
setwhd	function	vpack	function
slide	function	whatsits	function
subtype	function	write	function
subtypes	function		

nodes (context)

accentcodes	data table	fencecodes	data table
aligned	function	fields	function
append	function	fillcodes	data table
apply	function	find_attribute	function
applyvisuals	function	first_glyph	function
astable	function	firstcharacter	function
basepoints	function	firstcharinbox	function
boundarycodes	data table	firstdirinbox	function
boxes	table	firstglyph	function
F dimensions		flush	function
F direct		flush_list	function
F found		flush_node	function
F reset		free	function
F restore		fullhpack	function
F save		getbox	function
builders	table	getchar	function
F buildpage_filter		getdisc	function
F vpack_filter		getfield	function
check_discretionaries	function	getfont	function
codes	data table	getglue	function
concat	function	getid	function
сору	function	getleader	function
copy_list	function	getlist	function
copy_node	function	getnext	function
count	function	getprev	function
countall	function	getsubtype	function
current_attr	function	getwhd	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
dimensionfields	data table	F accessibility	
dimensions	function	F alignbackgrounds	
dir_is_pop	data table	F backgrounds	
dir_negation	data table	F characters	
disccodes	data table	F checkforleaks	
discretionarycodes	data table	F checkglyphs	
effective_glue	function	F cleanupbox	
end_of_math	function	F cleanuppage	

F export		is rotated	data table
F finalize		is_zero_glue	function
F flatten		ischar	function
F flattenline		isglyph	function
F migrate		kerncodes	data table
F protectglyphs		kerning	function
F stripping		keys	table
F textbackgrounds		T whatsit	
F unprotectglyphs		last_node	function
has_attribute	function	_ leadercodes	data table
has_field	function	leftmarginwidth	function
has_glyph	function	length	function
hpack	function	ligaturing	function
idstostring	function	linefillers	table
ignorablefields	data table	D data	
injections	table	F define	
F copy		F enable	
F getligaindex		F handler	
F getthreshold		lines	table
F handler		T boxed	
F installgetspaceboth		F register	
F installnewkern		F setup	
F isspace		F stage_one	
F keepcounts		F stage_two	
F reset		D data	
F resetcounts		F finalize	
F setcursive		F number	
F setkern		N scratchbox	
F setligaindex		link	function
F setmark		linked	function
F setmove		list	function
F setposition		listablefields	data table
F setspacekerns		listcodes	data table
insert_after	function	listtoutf	function
insert_before	function	load	function
insert_list_after	function	locate	function
installattributehandler	function	margincodes	data table
is_char	function	marginkerncodes	data table
is_direct	function	markers	table
is_display_math	function	F get	
is_glyph	function	mathcodes	data table
is_mirrored	data table	maxboxwidth	function
is_node	function	mlist_to_hlist	function
is_nut	function	new	function

noadcodes data table F get components noadoptions table F get_synctex_fields N axis F getattr F getattribute N exact N left F getattributelist N middle F getattrlist N no_axis F aetboth F aetbox N right N set F getboxglue N unused 1 F getchar N unused 2 F getcomponents nodecodes data table F getdepth function nopts F getdir nuts table F aetdisc F append F getdiscretionary F apply F getfield F applyvisuals F getfont F check discretionaries F getglue F concat F getheight F copy F getid F copy list F aetkern F copy_no_components F getlang F getlanguage F copy_node F getleader F copy_only_glyphs F copy_properties F getlist F copyvisual F getnext F getnucleus F count F count components F getoffsets F countall F getpenalty F current attr F getprev F delete F getprop F dimensions F getshift F effective glue F getsub F end of math F getsubtype F find_attribute F getsup F first glyph F getsurround F getwhd F firstcharacter F firstcharinbox F getwidth F firstglyph F has_attribute F flush F has_field F flush_list F has_glyph F flush_node F hpack F free F insert after F fullhpack F insert before

F insert list after F leftskip F is_char F lineskip F is_direct F mathchar F mathtextchar F is display math F is glyph F negatedglue F is node F noad F is_nut F pdfannotation F is zero glue F pdfdestination F ischar F pdfdirectliteral F isqlyph F pdfliteral F kerning F pdforiginliteral F last node F pdfpageliteral F leftmarginwidth F pdfrawliteral F pdfrestore F length F ligaturing F pdfsave F link F pdfsetmatrix F linked F penalty F locate F radical F mlist to hlist F register F nestedtracedslide F rightmarginkern F new F rightskip T pool F rule F accent F shrink F baselineskip F special F boundary F stretch F choice F subbox F cleanup F submlist F delim F temp F delimiter F textdir F disc F usage F emptyrule F userattributes F fence T userids F fontkern N margins.inline F fraction N property F glue N splitters.one F gluespec N splitters.two F glyph F userlist F hlist F userlua F italickern F usernumber F kern F userrule F latelua F userstring F lateluafunction F usertokens F leader F vlist F leftmarginkern F wordboundary

F prepend F setpenalty F protect_glyph F setprev F protect_glyphs F setprop F protrusion skippable F setshift F rangedimensions F setsplit F rawprop F setsub F reference F setsubtype F rehnack F setsup F remove F setsurround F repackhlist F setunsetattributes F setvisual F replace F setvisuals F rightmarginwidth T rules F setwhd F userrule F setwidth F set attribute F slide F set_components F somepenalty F set_synctex_fields F somespace F setattr F splitbox F setattribute F tail F setattributelist F take components F setattributes F takeattr F setattrlist F takebox F setboth F takelist F setbox F theprop F setboxalue F tonode F setchar F tonodes F setcomponents F tonut F setdepth F tosequence F setdir F tostring F setdisc F tracedslide F setdiscretionary F traverse F setfield F traverse char F setfont F traverse id F setglue T typesetters F tohbox F setheight F setkern F tohpack F setlang F tonodes F setlanguage F tovbox F setleader F tovpack F setlink F unprotect_glyph F setlist F unprotect_glyphs F setnext F unset_attribute F setnucleus F unsetattribute

F unsetattributes

F setoffsets

F untracedslide		F usage	
F use_components		F usernumber	
F usedlist		F vlist	
F uses_font		prepend	function
F vianodes		print	function
F vianuts		processors	table
F vpack		F contribute_filter	
F write		B enabled	
packlist	function	F hpack_filter	
pardir_is_equal	data table	F post_linebreak_filter	
pardir_is_opposite	data table	F pre_linebreak_filter	
pardir_is_parallel	data table	F tracer	
partextdir_is_equal	data table	processranges	function
penaltycodes	data table	processwords	function
plugindata	table	properties	table
F finalizer		T actions	
F initializer		F delayed	
S name		F fdelayed	
T namespace		F immediate	
N attribute		F attach	
D data		T data	
F enable		F delayed	
F handler		protect_glyph	function
F register		protect_glyphs	function
D registered		protrusion_skippable	function
D values		pts	function
F processor		radicalcodes	data table
points	function	rangedimensions	function
pool	table	reference	function
F baselineskip		references	table
F cleanup		N attribute	
F glyph		T done	
F hlist		F handler	
F kern		T stack	
F latelua		rehpack	function
F lineskip		remove	function
F pdfdirectliteral		repackhlist	function
F pdforiginliteral		replace	function
F pdfrestore		report	function
		and a first and a suit of the first	function
F pdfsave		rightmarginwidth	
F pdfsave F pdfsetmatrix		rightmarginwidth rulecodes	data table
F pdfsetmatrix		rulecodes	data table
F pdfsetmatrix F register		rulecodes rules	data table

F enable		splitbox	function
F handler		stripdiscretionaries	function
T ruleactions		stripping	table
F box		T glyphs	
F draw		F set	
F fill		striprange	function
F mp		tail	function
F stroke		takeattr	function
F userrule		takebox	function
save	function	tasks	table
serialize	function	F actions	
serializebox	function	F appendaction	
set_attribute	function	F disableaction	
setattributes	function	F disablegroup	
setboth	function	F enableaction	
setbox	function	F enablegroup	
setboxtonaturalwd	function	F freeze	
setfield	function	F freezegroup	
setglue	function	F new	
setlink	function	F prependaction	
setlist	function	F removeaction	
setnext	function	F replaceaction	
setprev	function	F restart	
setunsetattributes	function	F setaction	
setwhd	function	F showactions	
shifts	table	F table	
D data		textdir_is_equal	data table
F define		textdir_is_is	data table
F enable		textdir_is_opposite	data table
F handler		textdir_is_parallel	data table
show	function	tobasepoints	function
showboxes	function	tocentimeters	function
showcodes	function	tociceros	function
showlist	function	todidots	function
showsimplelist	function	todimen	function
skipcodes	data table	toinches	function
slide	function	tomillimeters	function
snapshots	table	tonewciceros	function
F getparameters		tonewdidots	function
F getsamples		tonode	function
F resetsamples		tonodes	function
F takesample	6	tonut	function
somepenalty	function	topicas	function
somespace	function	topoints	function

toccal admaints	function	F -+	
toscaledpoints	function	F stop	
tosequence		F stop	
tostring	function function	T transparencies	
totable		F reset	
totree	function	F set	
toutf	function	F setlist	
tracers	table	traverse	function
T characters		traverse_char	function
F collect		traverse_id	function
F equal		typesetters	table
F start		F hbox	
F string		F hpack	
F unicodes		F tohbox	
T colors		F tohpack	
F reset		F tonodes	
F set		F tovbox	
F setlist		F tovpack	
F fontchar		F vpack	
T frequencies		unprotect_glyph	function
F register		unprotect_glyphs	function
T pool		unset_attribute	function
T nodes		unsetattribute	function
F rule		unsetattributes	function
T nuts		usedlist	function
F rule		usercodes	data table
F resetproperties		vianodes	function
F rule		vianuts	function
F setlist		visualizebox	function
F setproperties		visualizers	table
F start		F attribute	
T steppers		T attributes	
F check		F box	
F codes		F handler	
F features		F markfonts	
F font		F setfont	
F glyphs		F setlayer	
F message		F setruledglyph	
F messages		F setvisual	
F nofsteps		vpack	function
F register		whatcodes	data table
F reset		whatsitcodes	data table
F start		write	function

number (context)

	function	te
basepoints	function	to
bit	function	to
bits	function	to
bytetodecimal	function	to
clearbit	function	to
compactfloat	function	to
decimaltobyte	function	to
dimenfactors	data table	to
formatted	function	to
formattedfloat	function	te
hasbit	function	te
maxdimen	number	te
nopts	function	te
percent	function	to
points	function	te
pts	function	te
setbit	function	to
signed	function	to
sparseexponent	function	Vä
splitdimen	function	

obasepoints function obitstring function ocentimeters function ociceros function ocontext function function odidots odimen function oevenhex function oinches function omillimeters function onewciceros function onewdidots function onumberf function onumberg function opicas function opoints function oscaled function oscaledpoints function oset function alid function

objects (context)

data	table	page	function
dimensions	function	reference	function
found	function	register	function
n	number	restore	function

os (basic lua)

getenv	function	remove	overloaded function
setenv	function	rename	overloaded function
binsuffix	string	resolvers	table
binsuffixes	table	F bits	
clock	function	resultof	function
converttime	function	runtime	function
date	function	selfdir	string
difftime	function	setenv	overloaded function
env	data table	setlocale	overloaded function
exec	overloaded function	sleep	function
execute	overloaded function	spawn	overloaded function
exit	function	time	function
fulltime	function	times	function
getenv	overloaded function	timezone	function
gettimeofday	function	tmpdir	function
isleapyear	function	tmpname	function
launch	function	today	function
libsuffix	string	type	string
localtime	function	uname	function
name	string	uuid	function
newline	string	validdate	function
nofdays	function	weekday	function
now	function	where	function
pipeto	function	which	function
platform	string		

package (basic lua)

config	string
cpath	string
extralibpath	function
extralibpaths	$ \hbox{function} $
extraluapath	function
extraluapaths	function
helpers	table
libpaths	function
loaded	table
loaders	table
loadlib	function

luapaths	function
path	string
poplibpath	function
popluapath	function
preload	table
pushlibpath	function
pushluapath	function
searchers	table
searchpath	function
seeall	function

pagebuilders (context)

columnsets tab	le F sethsize
F add	F sethspan
F block	F setlines
F check	
	F setproperties
F currentcolumn	F setstart
F define	F setvsize
F finishflush	injections table
F flushareas	F flushafter
F flushcolumn	F flushbefore
F flushrest	F save
F goto	mixedcolumns table
F noto	F cleanup
F prepareflush	F finalize
F put	F getlist
F registerarea	F getrest
F reset	F getsplit
F setarea	F setsplit

pdf (basic tex)

fontname	function	immediateobj	function
fontobjnum	function	mapfile	function
fontsize	function	mapline	function
getcatalog	function	maxobjnum	function
getcompresslevel	function	newcolorstack	function
getcompressievet	function	obi	function
getdecimaldigits	function	objtype	function
getdestmargin	function		function
getgestmargin	function	pageref print	function
5 5	function	•	function
gethpos getignoreunknownimages	function	refobj registerannot	overloaded function
getimageresolution	function		function
-	function	reserveobj	
getinclusionerrorlevel		setcatalog	overloaded function function
getinfo	function	setcompresslevel	
getlastannot	function	setdecimaldigits	function
getlastlink	function	setdestmargin	function
getlastobj	function	setfontattributes	function
getlinkmargin	function	setgentounicode	function
getmajorversion	function	setignoreunknownimages	function
getmatrix	function	setimageresolution	function
getminorversion	function	setinclusionerrorlevel	function
getnames	function	setinfo	overloaded function
getobjcompresslevel	function	setlinkmargin	function
getomitcidset	function	setmajorversion	function
getorigin	function	setminorversion	function
getpageattributes	function	setnames	overloaded function
getpageresources	function	setobjcompresslevel	function
getpagesattributes	function	setomitcidset	function
getpkresolution	function	setorigin	function
getpos	function	setpageattributes	overloaded function
getretval	function	setpageresources	overloaded function
getsuppressoptionalinfo	function	setpagesattributes	overloaded function
getthreadmargin	function	setpkresolution	function
gettrailer	function	setsuppressoptionalinfo	function
gettrailerid	function	setthreadmargin	function
getversion	function	settrailer	overloaded function
getvpos	function	settrailerid	function
getxformattributes	function	setxformattributes	function
getxformmargin	function	setxformmargin	function
getxformresources	function	setxformresources	function
hasmatrix	function	xformname	function

pdfscanner (context)

scan function

physics (context)

units table

F registerunit

D tables

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
listvariants F default	table	splitoneauthor	function function
	table		
F default	table	splitoneauthor	function
F default F index	table	splitoneauthor statistics	function
F default F index F num	table	splitoneauthor statistics N nofbytes	function
F default F index F num F page F short F tag		splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts	function table
F default F index F num F page F short F tag load	function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions	function
F default F index F num F page F short F tag load	function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts	function table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile	function function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables	function table
F default F index F num F page F short F tag load	function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits	function table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile	function function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins	function table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders	function function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates	function table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl	function function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets	function table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib	function function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials	function table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer	function function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals tags	function table table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer F endnote F lua F refman	function function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals	function table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer F endnote F lua	function function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals tags tracers F showdatasetauthors	function table table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer F endnote F lua F refman F registercleaner F xml	function function function table	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals tags tracers	function table table
F default F index F num F page F short F tag load loadbibdata loaddefinitionfile loaders F bbl F bib F buffer F endnote F lua F refman F registercleaner	function function function	splitoneauthor statistics N nofbytes N nofdatasets N nofdefinitions N nofshortcuts tables D implicits D origins D privates D sets D specials D types D virtuals tags tracers F showdatasetauthors	function table table

F showfields

F showhashedauthors

F showtables

F showvariants

typesetters

table

F author F string usedataset usedentries writers

F author

F keyword

F pagenumber

F range

function
function
table

regimes (context)

cleanup	function
disable	function
enable	function
fromregime	function
рор	function

process function
push function
toregime function
translate function

resolvers (context)

allprefixes	function	findpath	function
appendhash	function	findtexfile	function
automount	function	findwildcardfile	function
automounted	table	findwildcardfiles	function
booleanvariable	function	formatofsuffix	function
cacheversion		formatofyariable	function
checkedvariable	string function	formats	data table
	function	foundintree	function
cleanedpathlist	function	foundintrees	function
cleanpath	function	generators	data table
cleanpathlist concatinators	data table	5	function
		get_from_content	function
configbanner	string	getenv	
configurationfiles	function data table	getextrapaths	function function
criticalvars		getfilehashes	
dangerous	data table	gethashes	function
datastate	function	getownpath	function
defaultsuffixes	table	getreadfilename 	function
dowithfilesandreport	function	hashers	data table
dowithfilesintree	function	homedir	string
dowithpath	function	initialized	function
dowithvariable	function	inputstack	table
env	function	installinputfilehandler	function
executers	table	installinputlinehandler	function
expandbraces	function	jobpath 	function
expandedpathfromlist	function	jobs	table
expandedpathlist	function	F currentcomponent	
expandedpathlistfromvariable	function	F currentenvironment	
expandpath	function	F currentproduct	
expandpathfromvariable	function	F currentproject	
expansion	function	F justacomponent	
extendtexmfvariable	function	D processors	
filtered_from_content	function	F productcomponent	
find_file	function	F usefile	
find_files	function	joinpath	function
findbinfile	function	knownvariables	function
findctxfile	function	load	function
finders	data table	loadbinfile	function
findfile	function	loaders	data table
findfiles	function	loadlualib	function
findgivenfile	function	loadtexfile	function
findgivenfiles	function	loadtime	function

locateformat function data table savers data table locators scandata function luacnffallback strina scanfiles function luacnfname table string schemes luacnfspec string T cleaners luacnfstate string F md5 table macros F none F convertfile F strip F decodecomment F cleanname F enablecomment F fetchstring F fetchtable F encodecomment F install F preprocessed setdvnamic function F processmk setenv function F processmkvi F version setmemstream function maxreadlevel number showpath function methodhandler function simplescanfiles function openbinfile function splitconfigurationpath function openers data table splitexpansions function openfile function splitmethod function opentexfile function splitpath function ownpath strina stackpath function starttiming function popextrapath function function stoptiming function poppath data table suffixes data table prefixes prependhash function suffixmap data table suffixofformat pushextrapath function function pushpath function texdatablob function registerextrapath function toppath function registerfile function unexpandedpath function registerfilehash function unexpandedpathlist function registerintrees function unresolve function registermethod function updaterelations function registerzipfile function updatescript function relations data table uselibrary function function data table usertypes renew renewcache function usezipfile function function validatedpath repath function function variable function reset variableofformat resetextrapaths function function variableofformatorsuffix resetmemstream function function resetresolve function wildcardpattern function

function

resolve

sandbox (context)

disablelibraries	function	possiblepath	function
disablerunners	function	redefine	function
enable	function	register	function
filehandlerone	function	registerbinary	function
filehandlertwo	function	registerlibrary	function
finalizer	function	registerroot	function
getrunner	function	registerrunner	function
initializer	function	report	function
iohandler	function	setfilenamelogger	function
logcalls	function	setlogger	function
logfiles	function	setreporter	function
original	function	settrace	function
overload	function	validfilename	function

scripts (context)

autofontfeature table

F disable

F enable

F handler

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 iniectors data table installdataset function installmethod function numbertocategory data table numbertodataset data table numbertohandler data table reset function function set data table splitters

set (context)

contains function
create function
tolist function

tonumber function
totable function

sio (context)

read2dot14	function	readfixed2	function
readbytes	function	readfixed4	function
readbytetable	function	readinteger1	function
readcardinal1	function	readinteger2	function
readcardinal2	function	readinteger3	function
readcardinal3	function	readinteger4	function
readcardinal4	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 S final-recipient F command 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 original-envelope-id S arrival-date S authorization S original-recipient S bcc S pragma S cache-control S proxy-authenticate Scc S proxy-authorization S comments S range

C received	protect	function
S received	select	function
S received-from-mta	setett	function
S references		
S referer	sinkt	table
S remote-mta		when-done
S reply-to	F defaul	
S reporting-mta	F http-cl	
S resent-bcc	F keep-o	
S resent-cc	skip	function
S resent-date	sleep	function
S resent-from	smtp	table
S resent-message-id	S DOMAIN	
S resent-reply-to	N PORT	
S resent-sender	S SERVER	
S resent-to	N TIMEOU	Γ
S retry-after	S ZONE	
S return-path	F message	е
S sender	F open	
S server	F send	
S smtp-remote-recipient	source	function
S status	sourcet	table
S subject	F by-leng	gth
S te	F defaul	t
S to	F http-cl	nunked
S trailer	F until-	closed
S transfer-encoding	tcp	function
S upgrade	tcp6	function
S user-agent	tp	table
S vary	N TIMEOU	Γ
S via	F connect	t
S warning	try	function
S will-retry-until	udp	function
S www-authenticate	udp6	function
S x-mailer	url	table
<pre>http table</pre>	F absolu	te
N PORT	F build	
N TIMEOUT	F build_µ	oath
S USERAGENT	F escape	
F open	F parse	
F request	F parse_p	oath
newtry function	F unescap	oe

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 packuc function function setlanguage function sort splitters table

Futf

function strip data table tracers update function

statistics (context)

checkfmtstatus	function	resettiming	function
elapsed	function	runtime	function
elapsedindeed	function	savefmtstatus	function
elapsedseconds	function	show	function
elapsedtime	function	starttiming	function
enable	boolean	stoptiming	function
formatruntime	function	threshold	number
hastiming	function	timed	function
memused	function	tracefunction	function
register	function		

status (basic tex)

list function
resetmessages function

storage (context)

allocate	function
data	table
mark	function
marked	function
max	number
min	number
nofmodules	number

streams (context)

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

string (basic lua)

autodouble	function	nspaces	table
autosingle	function	optionalquoted	function
booleanstring	function	quote	function
byte	function	quoted	function
bytepairs	function	rep	function
bytes	function	replacenewlines	function
bytetable	function	reverse	function
char	function	split	function
characterpairs	function	splitlines	function
characters	function	splitup	function
checkedsplit	function	strip	function
collapsespaces	function	sub	function
count	function	tformat	function
dump	function	toHEX	function
escapedpattern	function	toboolean	function
explode	function	tobytes	function
find	function	tocontext	function
format	function	todec	function
formatter	function	todimen	function
formatters	function	tohex	function
fullstrip	function	tonodes	function
gmatch	function	topattern	function
gsub	function	totable	function
is_boolean	function	toutf	function
is_empty	function	tracedchar	function
itself	function	tracedchars	table
len	function	unquote	function
limit	function	unquoted	function
longtostring	function	upper	function
lower	function	utfcharacters	function
match	function	utfvalues	function
nospaces	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 pageofinternal	
D data		F prefix	
F define		F prefixlastpage	
F first		F prefixpage	
F get		F simplify	
F last		F title	
F next		F touserdata	
F prev		inserts	table

D data		F savedlistnumber
F define		F savedlistprefixednumber
F getdata		F savedlisttitle
F getlocation		D sectionblocks
F getname		F sectionnumber
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	cable	D data
F analyze		F define
B autoreorder		F exists
D cached		F fetch
D collected		F fetchallmarks
F discard		F fetched
F enhance		F fetchonemark
T enhancers		F fetchtwomarks
F filter		F get
F formulanumber		F number
F getresult		F relate
F groupindex		F reset
F hasnumberdata		F set
F haspagedata		F show
F hastitledata		F synchronize
F iscached		F title
D kinds		T tracers
F label		F showtable
F location		notes table
D names		F check_spacing
F number		F checkpagechange
D ordered		F define
F page		F doifonsamepageasprevious
F popnesting		F get
F prefix		F getdeltapage
F prefixednumber		F getinternal
F prefixedpage		F getn
F process		F getstate
D pushed		F hascontent
F pushnesting		F internal
F realpage		F internalid
F reordered		F listindex
T result		T numbers

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

F setnextinternal		F	flush	
F setnextorder		F	get	
F setreferencerealpage		F	prepare	
D specials		F	process	
F splitcomponent		F	setmethod	
F splitprefix		F	sort	
F splitreference		F	store	
F synchronizepage		D	tobesaved	
T testrunners		F	unique	
F inner		F	userdata	
F special		sect	ions	table
F special operation		F	autodepth	
F special operation wi	th arguments	F	cct	
T testspecials		D	collected	
F deltapage		F	current	
Fi		F	currentblock	
F internal		F	currentid	
F page		F	currentlevel	
F realpage		F	currentsectionindex	
F section		F	depthnumber	
F userpage		F	finddata	
D tobereferred		F	findnumber	
D tobesaved		F	fullnumber	
D tracedpages		F	getcurrentlevel	
T urls			getlevel	
T data			getnumber	
F define			internalreference	
F found			levelmap	
F get			levels	
F untex			load	
D usedinternals			matchingtilldepth	
D usedviews			numberatdepth .	
F valid	+-bl.		numbers	
registers	table		popblock	
F analyze			prefixedconverted	
D collected			pushblock	
F compare F define			register	
F enhance			registered	
F ennance F extend			reportstructure save	
F filter			sectionblockdata	
F filter			T bodypart	
F finalize			S bookmark	
F findinternal		_	set	
r immintelliat		r	351	

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

table (basic lua)

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

tex (basic tex)

attribute	table	getmuglue	function
badness	function	getmuskip	function
box	table	getnest	function
catcode	table	getsfcode	function
conditionals	data table	getskip	function
constants	data table	gettoks	function
count	table	getuccode	function
cprint	function	glue	table
ctdcatcodes	number	hashtokens	function
ctxcatcodes	number	ifs	data table
definefont	function	inicatcodes	number
delcode	table	init_rand	function
dimen	table	isattribute	function
directives	data table	isbox	function
enableprimitives	function	iscount	overloaded function
error	function	isdefined	function
extraprimitives	function	isdimen	overloaded function
finish	function	ismuskip	overloaded function
fontidentifier	function	isskip	overloaded function
fontname	function	istoken	function
force_synctex_line	function	istoks	function
force_synctex_tag	function	lccode	table
fprint	function	linebreak	function
get	function	lists	table
get_synctex_line	function	lua_math_random	function
get_synctex_mode	function	lua_math_randomseed	function
get_synctex_tag	function	luacatcodes	number
getattribute	function	mathcode	table
getbox	function	modes	data table
getboxresourcedimensions	function	muglue	table
getcatcode	function	muskip	table
getcount	function	nest	table
getdelcode	function	nilcatcodes	number
getdelcodes	function	normal_rand	function
getdimen	function	notcatcodes	number
getglue	function	number	function function
getlccode	function	primitives	
getlist	function function	print	function number
getmath	function function	prtcatcodes	number function
getmathcode	function function	resetparagraph romannumeral	function function
getmathcodes	TUNCTION	romannumerat	TUNCTION

round	function	setuccode	function
run	function	sfcode	table
saveboxresource	function	shipout	function
scale	function	show_context	function
scantoks	function	skip	table
set	function	sp	function
set_synctex_line	function	splitbox	function
set_synctex_mode	function	sprint	function
set_synctex_tag	function	systemmodes	data table
setattribute	function	takebox	function
setbox	function	texcatcodes	number
setcatcode	function	toks	table
setcount	function	tpacatcodes	number
setdelcode	function	tpbcatcodes	number
setdimen	function	tprint	function
setglue	function	trackers	data table
setlccode	function	triggerbuildpage	function
setlist	function	txtcatcodes	number
setmath	function	type	function
setmathcode	function	uccode	table
setmuglue	function	uniform_rand	function
setmuskip	function	uniformdeviate	function
setnest	function	uprint	function
setsfcode	function	useboxresource	function
setskip	function	vrbcatcodes	number
settoks	function	write	function

texconfig (basic tex)

error_line number
expand_depth number
formatname string
half_error_line number
hash_extra number

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

texio (basic tex)

setescape function
write function

write_nl function

token (basic tex)

create	function	is_token	function
<pre>get_active</pre>	function	put_next	function
get_cmdname	function	scan_code	function
get_command	function	scan_csname	function
get_csname	function	scan_dimen	function
<pre>get_expandable</pre>	function	scan_glue	function
get_id	function	scan_int	function
get_index	function	scan_keyword	function
get_macro	function	scan_string	function
<pre>get_meaning</pre>	function	scan_token	function
get_mode	function	scan_toks	function
get_next	function	scan_word	function
get_protected	function	set_macro	function
get_tok	function	type	function

tokens (context)

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

setters to	able	E haalaan
F box	abte	F boolean F code
F count		F code F conditional
F dimen		F count
		F count
F glue F macro		F dimen
F skip shortcuts ta	able	F dimension F glue
T bits	abte	
N active		F integer F keyword
N active		F list
N begingroup		F lxmlid
N character	,	F number
N close		F scanclose
N comment		F scanopen
N endgroup		F skip
N endofline		F string
N escape		F token
N ignore		F tokens
N invalid		F toks
N letter		F word
N mathshift		F scannumber
N open		F scanopen
N other		F scanstring
N parameter		F scanword
N space		F toboolean
N subscript		F todimen
N superscrip	ot	T tokens
N whitespace		F astable
N close		U bgroup
F inspect		T collectors
N open		F defaultwords
F report		F dowithwords
F scanboolean		F flush
F scanclose		F install
F scancode		F register
F scancondition	onal	F show
F scancsname		F test
F scandimen		F compile
F scandimensi	on	F constant
F scaninteger		T converters
F scankeyword		S toboolean
F scanlist		S todimen
T scanners		S toglue

S tonumber N close S tostring F inspect F defined N open U egroup F report T getters F scanboolean F box F scanclose F count F scancode F dimen F scanconditional F scancsname F glue F macro F scandimen F scandimension F meaning F scaninteger F skip F token F scankeyword U hbox F scanlist F istoken F scannumber F letter F scanopen F letters F scanstring F other F scanword F pickup F toboolean F printlist F todimen F scantable F tonumber T setters F tostring F box U vbox F count U vtop F dimen F tonumber F tostring F glue vbox userdata

F macro

F skip T shortcuts vtop

userdata

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 table	register	function
default	function	report	function
disable	function	reset	function
dumphashtofile	function	savehash	function
enable	function	show	function
list	function	value	function
name	string		

typesetters (context)

-14	4-11-		
alignments	table	T handlers	
F handler		F installhandler	
F set	4-h1-	F processmath	
breakpoints	table	F set	
F define		F setcolor	
F handler		F setmath	
D mapping		F tomode	4-61-
T methods		firstlines	table
T numbers		T actions	
F set		F default	
F setreplacement		F line	
cases	table	F word	
T actions		F handler	
F handler		F set	
F register		fontkerns	table
F set		F handler	
characteralign	table	initials	table
F handler		T actions	
F resetcharacter	•	F default	
F setcharacteral		F addanchortolin	е
characters	table	F addtoline	
F handler		F calculatedelta	
T methods		F checkline	
F replacenbsp		F handler	
F replacenbspace		F moveinline	
checkers	table	F normalize	
F handler		F set	
F reset		injectors	table
F set		F check	
cleaners	table	T list	
F handler		F mark	
F set		F reset	
digits	table	F set	
T actions		F show	
F handler		italics	table
F set		F enablemath	
directions	table	F enabletext	
F getfences		F forcevariant	
F getglobal		F handler	
F getmethod		F reset	
F handler		F set	

kerns	table	F reset	
D factors		F split	
F handler		F startapply	
F keepligature		F stopapply	
B keeptogether		F stripped	
D mapping		F tostring	
F set		rubies	table
manipulators	table	F attach	cabic
F apply	cabic	F check	
F applyspecifica	ation	showsuspects	function
T methods		spacings	table
F Word		F define	cabic
F Words		F handler	
F abbreviatedj	ournal	D mapping	
F expandedjour		T numbers	
F lowercase		T frenchpunc	tuation
F stripperiod		T characte	
F uppercase		S name	. 5
T patterns		N number	
U list		F reset	
U pair		F set	
F splitspecifica	ation	F setup	
margins	table	wrappers	table
margins F finalhandler	table	wrappers F handler	table
_	table	• •	table table
F finalhandler	table	F handler	
F finalhandler F globalhandler	table	F handler xtables	
F finalhandler F globalhandler F localhandler	table function	F handler xtables F cleanup	
F finalhandler F globalhandler F localhandler F save		F handler xtables F cleanup F construct	
F finalhandler F globalhandler F localhandler F save marksuspects	function table	F handler xtables F cleanup F construct F create	
F finalhandler F globalhandler F localhandler F save marksuspects paragraphs	function table	F handler xtables F cleanup F construct F create F finish_row	table
F finalhandler F globalhandler F localhandler F save marksuspects paragraphs F addanchortolin	function table ne	F handler xtables F cleanup F construct F create F finish_row F flush	table
F finalhandler F globalhandler F localhandler F save marksuspects paragraphs F addanchortolin F addtoline	function table ne	F handler xtables F cleanup F construct F create F finish_row F flush F initialize_c	table construct reflow_height
F finalhandler F globalhandler F localhandler F save marksuspects paragraphs F addanchortolin F addtoline F calculatedelta	function table ne	F handler xtables F cleanup F construct F create F finish_row F flush F initialize_t F initialize_t	table construct reflow_height
F finalhandler F globalhandler F localhandler F save marksuspects paragraphs F addanchortolin F addtoline F calculatedelta F checkline	function table ne	F handler xtables F cleanup F construct F create F finish_row F flush F initialize_c F initialize_r	table construct reflow_height reflow_width
F finalhandler F globalhandler F localhandler F save marksuspects paragraphs F addanchortolin F addtoline F calculatedelta F checkline F handler	function table ne	F handler xtables F cleanup F construct F create F finish_row F flush F initialize_c F initialize_r F next_row	table construct reflow_height reflow_width
F finalhandler F globalhandler F localhandler F save marksuspects paragraphs F addanchortolin F addtoline F calculatedelta F checkline F handler F moveinline	function table ne	F handler xtables F cleanup F construct F create F finish_row F flush F initialize_c F initialize_r F next_row F reflow_heigh	table construct reflow_height reflow_width
F finalhandler F globalhandler F localhandler F save marksuspects paragraphs F addanchortolin F addtoline F calculatedelta F checkline F handler F moveinline F normalize	function table ne	F handler xtables F cleanup F construct F create F finish_row F flush F initialize_r F initialize_r F inext_row F reflow_height F reflow_width	table construct reflow_height reflow_width
F finalhandler F globalhandler F localhandler F save marksuspects paragraphs F addanchortolin F addtoline F calculatedelta F checkline F handler F moveinline F normalize F set	function table ne	F handler xtables F cleanup F construct F create F finish_row F flush F initialize_ F initialize_ F initialize_ F reflow_heigh F reflow_width F set_construct	table construct reflow_height reflow_width

unicode (extra lua)

scii	table	F	len	
F byte		F	lower	
F char		F	match	
F dump		F	rep	
F find		F	reverse	
F format		F	sub	
F gfind		F	upper	
F gmatch		tout	f32string	function
F gsub		utf8	1	table
F len		F	byte	
F lower		F	char	
F match		F	characters	
F rep		F	chrlen	
F reverse		F	count	
F sub		F	dump	
F upper		F	filetype	
jrapheme	table	F	find	
F byte		F	format	
F char		F	gfind	
F dump		F	gmatch	
F find		F	gsub	
F format		F	is_valid	
F gfind		F	len	
F gmatch		F	length	
F gsub		F	lower	
F len		F	magic	
F lower		F	match	
F match		F	remapper	
F rep		F	rep	
F reverse		F	replacer	
F sub		F	reverse	
F upper		F	split	
atin1	table	F	splitlines	
F byte		F	sub	
F char		F	subtituter	
F dump		F	tocodes	
F find		F	toeight	
F format		F	toentities	
F gfind		F	tostring	
F gmatch		F	totable	
F gsub		F	upper	

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_be_t

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)

debugger	table	F skiplong	
F disable		F skipposition	
F enable		F skipshort	
F savestats		F writebyte	
F showstats		F writecardinal2	
F showtraceback		F writecardinal4	
files	table	F writestring	
F close		formatters	table
F getposition		F formatcolumns	
F getsize		F list	
F look		F stripzeros	
F open		garbagecollector	table
F read2dot14		F check	
F readbyte		N criterium	
F readbytes		B enabled	
F readbytetable		lua	table
F readcardinal		B alwaysstripcode	
F readcardinal1		F compile	
F readcardinal2		F loadedluacode	
F readcardinal2le		F loadstripped	
F readcardinal3		N nofstrippedbytes	
F readcardinal3le		N nofstrippedchunk	s
F readcardinal4		F registerfinalize	r
F readcardinal4le		B stripcode	
F readchar		T strippedchunks	
F readfixed2		F strippedloadstri	ng
F readfixed4		T suffixes	
F readinteger		S lua	
F readinteger1		S luc	
F readinteger2		S lui	
F readinteger2le		S luj	
F readinteger3		S luv	
F readinteger3le		S tma	
F readinteger4		S tmc	
F readinteger4le		S tua	
F readsignedbyte		S tuc	
F readstring		packers	table
F readtag		F hashed	
F setposition		F new	
F size		F pack	
F skip		F simplehashed	

F strip	B modern-light
F unpack	T modern-mono, modern-base-mono
N version	B modern-base-mono
parsers table	B modern-mono
F add_settings_to_array	T modern-variable,latin-modern-variable-designsize,lat
F arguments_to_table	B latin-modern-variable
F array_to_string	B latin-modern-variable-designsize
F csvsplitter	B modern-variable
F getparameters	T modernvariable,modern-variable
F groupedsplitat	B modern-variable
F hash_to_string	B modernvariable
T hashes	T modernvariablelight,modern-variable-light
T settings_to_set	B modern-variable-light
T max,fit,broad,auto	B modernvariablelight
B auto	T serif,sans,mono
B broad	B mono
B fit	B sans
B max	B serif
T modern,latin-modern	T text,hidden,paper,page,leftpage,rightpage
B latin-modern	B hidden
B modern	B leftpage
T modern,latin-modern,modern-variable,latin-modern	n-variable,moMeprangecondensed,latin-modern-condensed
B latin-modern	B paper
B latin-modern-condensed	B rightpage
B latin-modern-variable	B text
B modern	F iterator
B modern-condensed	F keq_to_hash
B modern-variable	F listitem
T modern, latin-modern-designsize, latin-modern	F make_settings_to_hash_pattern
B latin-modern	F mergehashes
B latin-modern-designsize	F options_to_array
B modern	F options_to_hash
T modern,modern-base	T patterns
B modern	U settings_to_array
B modern-base	U settings_to_hash_a
T modern-condensed, latin-modern-condensed-designs	ize,latin&mo odeinningos<u>n</u>doen_shead,h moodern-light-condensed,latin-modern-li
B latin-modern-condensed	U settings_to_hash_c
B latin-modern-condensed-designsize	U unittotex
B latin-modern-light-condensed	F process_stripped_settings
B modern-condensed	F rfc4180splitter
B modern-light-condensed	F runtime
T modern-light, latin-modern-light-designsize, latir	n-modernFlsighttings_to_array
B latin-modern-light	F settings_to_array_obey_fences
B latin-modern-light-designsize	F settings_to_array_with_repeat

		_		
F settings_to_hash			list	
F settings_to_hash_	_		new	
F settings_to_hash_			register	
F settings_to_numbe	ers		report	
F settings_to_set		F	reset	
F simple_hash_to_st	tring		show	
F splitmethod		stac	ker	table
F splitthousands		F	new	
F stepper		stor	age	table
F stripped_settings	s_to_array	F	allocate	
F unittotex		F	checked	
F unittoxml		F	mark	
randomizer	table	F	marked	
F get		F	setinitializer	
F getnumber		F	sparse	
F getseed		stre	ams	table
F popseed		F	close	
F pushseed		F	getposition	
F reuseseed		F	look	
F setseed		F	open	
F setseedi		F	read2dot14	
report	function	F	read2dot4	
sequencers	table	F	readbyte	
F appendaction		F	readbytes	
F appendgroup		F	readbytetable	
F compile		F	readcardinal	
F disableaction		F	readcardinal1	
F disablegroup		F	readcardinal2	
F enableaction		F	readcardinal2LE	
F enablegroup		F	readcardinal3	
D functions		F	readcardinal3le	
F localize		F	readcardinal4	
F new		F	readchar	
F nodeprocessor		F	readfixed2	
F prependaction		F	readfixed4	
F prependgroup		F	readinteger	
F removeaction		F	readinteger1	
F replaceaction		F	readinteger2	
F setkind		F	readinteger2le	
F tostring		F	readinteger3	
setters	table	F	readinteger3le	
F disable			readinteger4	
F enable		F	readinteger4le	
F initialize			readsignedbyte	
		•	5 7 . 0	

F readstring U retain and collapse F setposition U retain and no empty F size F striplines F skip F striplong F skipbytes F tabtospace F skiplong T tracers tables table F skipshort table strings F accesstable F collapsecrlf F definedtable T formatters F definetable F add F encapsulate F new F insertaftervalue F newcollector F insertbeforevalue F newrepeater F migratetable F removevalue F nice F replacevalue T striplinepatterns templates table U collapse U prune F load U prune and collapse

U prune and no empty

U retain

F replace F replacer F resolve

vf (context)

char	function
down	function
fontid	function
image	function
node	function
nop	function

pop function
push function
right function
rule function
special function

visualizers (context)

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

xml (context)

addentitiesdoctype	function	defaulthandlers	table
addspecialcode	function	D file	table
after	function	D TITE D parsedxml	
all	function	D parsedxiiit	
applylpath	function	D String D tex	
applyselector	function	D tex	
assign	function	D textine D texspace	
attribute	function	D texspace D verbose	
badinclusions	function	defaultprotocol	string
before	function	delete	function
body	function	delete_element	function
builtinentities	table	despecialized	function
B amp	table	each	function
в ашр В apos		each element	function
B gt		elements	function
Вgl		elementtocdata	function
B quot		empty	function
cdata	function	entities	data table
cdatatotext	function	erase	function
checkbom	function	errorhandler	function
checkerror	function	escaped	function
checknamespace	function	expressions	table
checkns	function	F boolean	tabte
cleansed	function	F child	
collect	function	F contains	
collect elements	function	F count	
collect tags	function	F error	
collect texts	function	F find	
collected	function	F idstring	
collecttexts	function	F lower	
content	function	F name	
convert	function	F number	
сору	function	F oneof	
count	function	F print	
cprint	function	F quit	
CSS	table	F tag	
F applyselector		F text	
F colorspecification		F undefined	
F dimension		F upper	
F fontspecification		fillin	function
F padding		filter	function

finalizers	table	F index	
F paragraphs		F last	
T tex		F lowerall	
F all		F match	
F attribute		F name	
F chainattribute		F position	
F chainpath		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		inject_element_after	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

lastmatch	function	replace	function
load	function	replace_element	function
lpath	function	resetinjectors	function
lpathcached	function	resolvens	function
lpathcalls	function	root	function
lshow	function	save	function
makestandalone	function	selection	function
match	function	separate	function
name	function	serialize	function
newhandlers	function	setcdata	function
nodesettostring	function	setcomment	function
originalload	function	sethandlersfunction	function
package	function	setinjectors	function
parent	function	setproperty	function
parsedentitylpeg	userdata	settings	function
pihandlers	table	specialcodes	table
F injector		S "	
F tex		S #	
placeholders	table	S \$	
F unknown_any_entity		S %	
F unknown_dec_entity		S &	
F unknown_hex_entity		S '	
popmatch	function	S <	
position	function	S >	
privatecodes	table	S \	
privatetoken	function	S {	
process	function	S	
process_attributes	function	S }	
process_elements	function	S ~	
processattributes	function	specialhandler	table
profiled	table	sprint	function
pushmatch	function	string 	function
raw	function	strip	function
registerentity 	function	strip_whitespace	function
registerns	function	stripelement	function
reindex	function	stripleadingspaces	function
remap_name	function	table	function
remap_namespace	function	text	function
remap_tag	function function	textonly	function
remapname	function	texttocdata	function
remaphamespace	function	tocdata toelement	function function
remaptag	function		
renamespace	function	tostring	function
reparsedentitylpeg	userdata	totable	function

toxml	function	unspecialized	function
tprint	function	withelement	function
traverse	function	withelements	function
unescaped	function	wrap	function
unescapedentitylpeg	userdata	xmlns	table
unprivatized	function		

zip (extra lua)

archivestableopenarchivefunctionclosefunctionopenfilefunctionclosearchivefunctionregisteredfilestableopenoverloaded functiontypefunction

zlib (extra lua)

adler32 function
compress function
compressobj function
crc32 function

decompress function
decompressobj function
version function