buffers builders caches callbacks catcodes characters chemistry commands containers context converters coroutine ctxrunner debug dir directives document documentdata environment epdf experiments figures file floats font fontloader fonts functions global graphics gzip ima interactions interfaces io job languages layouts lfs libraries lmx logs lpdf lpeg ltn12 lua luatex lxml math mathematics mbox md5 metapost mime moduledata modules mp mplib noads mode nodes number objects os packa pagebuilders parametersets pdf pdfscanner physics profiler publications regimes resolvers sandbox scripts set socket sorters statistics status storage streams tring structures table tex texconditionals 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)

LHATEVVERCTON		41	4-61-
LUATEXVERSION	number	floats	table
MP	table	font	table
_LUAVERSION	number	fontloader	table
_MAJORVERSION	number	fonts	table
_MINORVERSION	number	frozen	boolean
arg	table	functions	table
assert	function	getmetatable	function
attributes	table	getpos	function
backends	table	getvpos	function
bit32	table	global	table
blobs	table	graphics	table
boolean	table	gregorian_to_jalali	function
buffers	table	gzip	table
builders	table	img	table
caches	table	inspect	function
callback	table	interactions	table
callbacks	table	interfaces	table
catcodes	table	io	table
characters	table	ipairs	function
chemistry	table	jalali_to_gregorian	function
collectgarbage	function	job	table
commands	table	lang	table
containers	table	languages	table
context	function	last	number
converters	table	layouts	table
coroutine	table	lfs	table
ctxrunner	table	libraries	table
debug	table	lmx	table
dimen	function	load	function
dir	table	loadfile	function
directives	table	loadstring	function
document	table	logs	table
documentdata	table	lpdf	table
dofile	function	lpeg	table
done	boolean	ltn12	table
environment	table	lua	table
epdf	table	luatex	table
error	function	lxml	table
experiments	table	math	table
figures	table	mathematics	table
file	table	mbox	table

md5	table	setmetatable	function
metapost	table	socket	table
mime	table	sorters	table
module	function	statistics	table
moduledata	table	status	table
modules	table	storage	table
mp	function	streams	table
mplib	table	string	table
next	function	structures	table
noads	table	swiglib	function
node	table	table	table
nodes	table	tex	table
number	table	texconditionals	data table
objects	table	texconfig	table
optionalrequire	function	texconstants	data table
05	table	texifs	data table
package	table	texio	table
pagebuilders	table	texisdefined	function
pairs	function	texmodes	data table
parametersets	table	texsystemmodes	data table
pcall	function	thirddata	table
pdf	table	toboolean	function
pdfboolean	function	tokens	table
pdfnull	function	tonumber	function
pdfreference	function	tostring	function
pdfscanner	table	tracers	table
pdfverbose	function	trackers	table
physics	table	type	function
print	function	typesetters	table
profiler	table	unicode	table
publications	table	unpack	function
rawequal	function	url	table
rawget	function	userdata	table
rawlen	function	utf	table
rawset	function	utilities	table
regimes	table	V	number
require	function	vf	table
resolvers	table	visualizers	table
sandbox	table	xml	table
scripts	table	xpcall	function
select	function	zip	table
set	table	zlib	table
setinspector	function		

attributes (context)

colorintents table	D models
N attribute	F mpcolor
D data	F mpnamedcolor
F enable	F mpoptions
F handler	F namedcolorattributes
F register	U none
D registered	F popset
colors table	F processcolorcomponents
N attribute	F pushset
F cmyk	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 transparencycomponents
F forcesupport	B triggering
F formatcolor	F usecolors
F formatgray	D valid
F getpagecolormodel	F value
F gray	D values
F graytohsv	B weightgray
F handler	define function
F hsvtogray	effects table
F hsvtorgb	N attribute
F iccprofile	D data
F isblack	F enable
N main	F handler
S model	F register

D registered N hardlight D values N hue handlers table N lighten list data table N luminosity data table names N multiply negatives table N none N attribute N normal D data N overlav N saturation F enable F handler N screen N softlight F register D registered U none F set F register numbers data table D registered ofnode function B supported private function B triggering public function F value restore function D values save function unsetvalue number showcurrent function viewerlayers table table states 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 handler F stacked F stacker B hasorder function system D listwise transparencies table F register N attribute D registered D data F resolve begin F enable F resolve end F resolve_reset F forcesupport F handler F resolve step T names D scopes F setfeatures N color N colorburn F start N colordodae 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 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

 ${\sf F} \ {\sf getspotcolorreference}$

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	F define	
assign	function	F hassomecontent	
collectcontent	function	F next	
erase	function	F place	
exists	function	F reset	
getcontent	function	F save	
getlines	function	prepend	function
loadcontent	function	raw	function
parallel	table	undent	function

builders (context)

kernel	table	T regis	tered
F hyphen	ation	F reset	:
F kernin	g	F set	
F ligatu	ring	F split	:
F mlist_	to_hlist	F start	:
T origin	als	F stop	
F hyphe	enate	F tag	
F kerni	ing	profiling	table
F ligat	turing	F add	
paragraph	s table	F distance	
T constr	uctors	F fixedpro	file
N attri	ibute	F get	
F defir	ne	F list	
F disab	ble	F pagehand	ler
F enabl	le	F profileb	ox
F hand	ler	F set	
T metho	ods	vspacing	table
F bas	sic	F analyze	
F def	ault	D categori	es
F hpa	nck	F collapse	vbox
F one	eline	T data	
D names	S	D map	
D numbe	ers	D skip	
F set		D snapme	thods
F start	t	F definesn	apmethod
F stop		B fixed	
T expans	ion	F pagehand	ler
F trace	e	F resetpre	vdepth
F keepto	gether	F setmap	
F regist	ertogether	F setskip	
T soluti	ons	F snapbox	
T split	tters	F tocatego	ries
F def	ine	F tocatego	ry
F opt	imize	F vboxhand	ler

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
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)

freeze function
known function
list data table
pop function

push function
register function
report function

catcodes (context)

names data table
numbers data table

register function

characters (context)

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

S 7W function lower math table mathpairs data table mirrors table otfscripts data table data table ranges function registerentities remap hangul syllabe function setactivecatcodes function setlettercatcodes function shape function function shaped shash data table shchars data table data table shcodes function showstring

data table

data table

table

specialchars

specials

splits

T char T compat

subscripts
superscripts
synonyms
tex
table
table
table

D accentmapping
D commandmapping
F defineaccents
F safechar
F toutf
F toutfpattern

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

chemistry (context)

component function
define function
definitions data table
format string
inlinechemical function
instance string
method string

molecule
moleculeparser
start
stop
structures
undefine
function
function
function
function

containers (context)

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

converters (context)

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

 ${\sf T}$ commandline

D environments

D modes
D modules
T ctxfile

D environments

environment (context)

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

epdf (extra tex)

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

PDFRectangle
StructElement_Type
open
openMemStream

type

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

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

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

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
<pre>is_rootbased_path</pre>	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		

floats (context)

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

font (basic tex)

current function
define function
each function
fonts table
frozen function

getfont overloaded function

id function
max function
nextid function
read_tfm function
read_vf function

setfont overloaded function

fontloader (extra tex)

apply_afmfile function
apply_featurefile function
close function
fields function
fullinfo function

info
open
to_table
totable

overloaded function overloaded function function 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 addcoreunicodes
N rphf		F aftercopyingcharacters
D initializers		F applymanipulators
D methods		F assignmathparameters
F setstate		B autocleanup
T states		F beforecopyingcharacters
N blwf		D cache
N fin2		B cacheintex
N fin3		F calculatescale
N fina		F checkedfeatures
N half		F checkedfilename
N init		F checkvirtualids
N isol		F cleanuptable
N mark		F collectprocessors
N med2		F currentfonthasfeature
N medi		D designsizes D dontembed
N pref N pstf		F enhanceparameters
N rest		T enhancers
N rest		T afm
B useunicodemarks		F apply
checkers	table	F patch
F getmissing		T patches
F missing		F register
F placeholder		F register
cid	table	T otf
F getmap		F addfeature
F loadfile		F apply
collections	table	F enhance

T patches	C patch	F alternate
F register	F patch	
F register T tfm F ligature F apply F patch F patch F patch F patch F patch F patch F register F register F register F register F register F register F substitution F reductor D off D off D features D off F reductor D tfm F reductor F reducto	·	·
Titim Fligature Fapity Fmultiple Fatch Figir Tithes Figure Fregister Fregister Fregister Stepkey Nator Fdeatures Dafm Sdefaulthosealternate Dafm Sdefaulthosealternate Dafm Sdefaulthosealternate Dafm Sdefaulthosealternate Ditim Freatures Dafm Sdefaulthosealternate Dafm Sdefaulthosealternate Dafm Sdefaulthosealternate Dafm Sdefaulthosealternate Dafm Freatures Dafm Freaturesprocessor Finalize Figetautest Figeteaureaction Figetautest Figeteaureaction Figetautenate Date Figetaureaction Figetautenate Figeternate Figens_context Fiload Figens_ark2base Figens_mark2ligature Figens_mark2li		
F apply F abtch F patch F patch F patches F register F features S defaulthasealternate D afm S detaultnodealternate D otf D fm F features D tfm F features D tfm F featuresprocessor F finalize F getfeatureaction F getalternate F getfeatureaction F getalternate F getfeatureaction F getsub T afm F getsub T afm F getwern B autoprefixed F getmultiple D cache F getsubstitution D features T handlers F getsubstitution D features F getkern F devanagari_remove_joiners T helpdata F devanagari_remove_joiners F getkern F devanagari_reorder_matras D bothkerned F devanagari_reorder_matras D bothkerned F devanagari_reorder_matras F devanagari_reorder		
F patch T patches F register F register F register F register F register S stepkey N factor F dataset T features S defaultbasealternate D afm S defaultodealternate D otf D tfm F features F getteatureaction F gettacternate F getteatureaction F gettacternate F getteature D adm F features F getsub F finalize F getteature F goos_context F goos_context F goos_context F goos_context F goos_context F goos_mark2base F goos_		
Fregister Fregister Fregister Fregister Stepkey N factor Fdataset T features S defaultbasealternate D off D features D off D features D tfm Ffeaturescsor Ffinalize Fgetatureaction Fgetatureaction Fgetatureaction Fgetatureaction Fgetatureaction Fgetatureaction Fgetatureaction Fgetatureaction D acache Fgetsubstitution D features Fourtheam Fgetsubstitution D features Fourtheam Fgetsubstitution D features Fourtheam Fgetsubstitution D features Fourtheam Fgetsubstitution D features Fgetsubstitution D textures Fgetsubstitution D textures Fgetsubstitution D textures Fgetsubstitution D textigature Fgevanagari_reorder_matras D bothkerned Fdevanagari_reorder_matras D tothkerned Fdevanagari_reorder_reph Edevanagari_reorder_reph D tigatures Fgoos_context D rightkerned Fgoos_context D rightkerned Fgoos_context D textigatures Fgoos_context Fload Fgoos_mark2base T readers Fgoos_mark2base Floadshapes Fgoos_single Floadshapes Fgoos_single Fsetfeatures Fgous_ligature Fgous_contexthain T otf Fgous_ligature Fgous_contexthain Foots—First Faddfeature Fgous_context Fgous_contexthain Foots—Faddfeature Fgous_context Fgous_contextchain Foots—Faddfeature Fgous_context Fgous_contextchain Foots—Faddfeature Fgous_context Fgous_contextchain Foots—Faddfeature Fgous_context Faddfeature Fgous_context Fraddfeature Fgous_context Faddfeature Faddfeat		
Fregister Fregister Fregister S stepkey N factor F dataset T features S defaultbasealternate D afm S defaultnodealternate D otf D tfm F featuresprocessor F finalize F getactualtext F getfeatureaction F getalternate T handlers F getsub B autoprefixed F getsub B autoprefixed F getsubstitution D features F getkern F devanagari_renove_joiners F devanagari_renove_joiners F devanagari_renorder_matras D bothkerned F devanagari_reorder_pre_base_reordering_consonants D leftkerned F devanagari_reorder_reph D ligatures F goos_context D textigatures F load F goos_mark2base F load F goos_mark2base F setfeatures F syncs_pace F gosb_context F gosb_context F loadfont F gospos_pair F loadfont F gospos_pair F loadfont F gospos_pair F soul_context N version F gosb_context F gosb_mark2base F gosb_context F gosb_mark2base F gosb_context F gosb_mark2base F gosb_context F		·
F register		
N factor F dataset T features S defaultbasealternate D off S defaultbasealternate D off D tfm S defaultbasealternate D off D tfm F featuresprocessor F finalize F getactualtext F getfeatureaction F getactualtext T handlers F getsysub T afm F getkern B autoprefixed F getaultiple D cache F getsubstitution D features F getkern F devanagari_remove_joiners F getkern F devanagari_remove_joiners F getkern F devanagari_remove_joiners T helpdata F devanagari_remove_joiners F devanaga		
T features D afm D off D tff D tfm F featuresprocessor F finalize F getactualtext F getfeatureaction T handlers F getsubs T afm B autoprefixed F getsubstitution D features D oache F getsubstitution F getsubstitution D features F devanagari_reorder_matras D bothkerned D leftkerned D lighterned D rightkerned F getsubstitution F geos_context D rightkerned F geos_context F goos_context F goos_mark2ligature F getinfo F goos_mark2ligature F getinfo F loadfont F loadfont F loadfont F spos_portext F spos_portext F loadfont F spos_portext F spos_portext	•	. ,
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N version F gsub_contextchain T otf F gsub_ligature F addfeature F gsub_multiple F basemodeinitializer F gsub_reversecontextchain D cache F gsub_single F collectlookups F trigger_space_kerns T coverup T helpers	F setfeatures	F gsub_alternate
T otf F gsub_ligature F addfeature F gsub_multiple F basemodeinitializer F gsub_reversecontextchain D cache F gsub_single F collectlookups F trigger_space_kerns T coverup T helpers	B syncspace	F gsub_context
F addfeature F gsub_multiple F basemodeinitializer F gsub_reversecontextchain D cache F gsub_single F collectlookups F trigger_space_kerns T coverup T helpers	N version	F gsub_contextchain
F basemodeinitializer F gsub_reversecontextchain D cache F gsub_single F collectlookups F trigger_space_kerns T coverup T helpers	T otf	F gsub_ligature
D cache F gsub_single F collectlookups F trigger_space_kerns T coverup T helpers	F addfeature	F gsub_multiple
F collectlookups F trigger_space_kerns T coverup T helpers	F basemodeinitializer	F gsub_reversecontextchain
T coverup T helpers	D cache	F gsub_single
·	F collectlookups	F trigger_space_kerns
T actions F pardirstate	T coverup	T helpers
	T actions	F pardirstate

F read2dot14 F txtdirstate F load F readbyte F modeinitializer F readbytes F nodemodeinitializer F readcardinal D pdfcache F readcardinal1 T plugins F readcardinal2 T readers F readcardinal2le F addunicodetable F readcardinal3 F cff F readcardinal3le F checkhash F readcardinal4 F readcardinal4le F cmap F readchar F colr F compact F readfixed4 F cpal F readinteger F expand F readinteger1 F extend F readinteger2 F adef F readinteger2le F getcomponents F readinteger3 F readinteger3le F getinfo F readinteger4 F glyf F gpos F readinteger4le F gsub F readstring F head F readtag F hhea F setposition F hmtx F size F skip F kern F loadfont F skiplong F loadshapes F skipshort F loca F writebyte F math F writecardinal2 F writecardinal4 F maxp F name F writestring F os/2 F svg N tableversion F pack F unifymissing F parsecharstrings F post F unpack F registerextender F vhea F rehash F vmtx T streamreader F vorg F close F woff2otf F getposition F registerpalette F getsize F registerplugin F look F scriptandlanguage F open F setdynamics

F setfeatures	T descriptions
T statistics	T parameters
D usedfeatures	S ascender
T svg	S descender
F filterglyph	S designsize
F storepdfdata	T expansion
F topdf	S auto
D svgcache	S shrink
B svgenabled	S step
T tables	S stretch
D baselines	S extendfactor
D features	S factor
D featuretypes	S hfactor
D languages	S mathsize
D scripts	T protrusion
N version	S auto
T pfb	S quad
F loadvector	S scaledpoints
T tfm	S scriptpercentage
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

S mode		D variants		
S name		F read		
S noglyphnames	S	F register		
S nostackmath		F registered		
S psname		F registersplit		
S textitalics		F resetnullfont		
S virtualized		F resolve		
D loadedfonts		T resolvers		
S namemode		F file		
N noffontsloaded		F name		
N nofsharedfonts		F spec		
N nofsharedhashes	;	definetypeface func	tion	
N nofsharedvector	rs	encodings tabl	e	
N privateoffset		T agl		
D privateslots		D ctxcodes		
F readanddefine		D extras		
F registerfeature	2	D names		
F resetfeature		T synonyms		
B resolvevirtualt	:00	N Acyrillic		
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 trytosharefont		N Dzhecyrillic		
N version		N Ecyrillic		
current	function	N Edot		
currentid	function	N Efcyrillic		
definers	table	N Elcyrillic		
F addlookup		N Emcyrillic		
F analyze		N Encyrillic		
F applypostproces	ssors	N Ercyrillic		
F checkedmode		N Ereversedcyrillic		
F checkedscript		N Escyrillic		
F current		N Fitacyrillic		
S defaultlookup		N Gcedilla		
F define		N Gdot		
F getspecificatio	on	N Gecyrillic		
F internal		N Gheupturncyrillic		
F loadfont		N Gjecyrillic		
F makespecificati	.on	N Hardsigncyrillic		
T methods		N IAcyrillic		
F install		N IUcyrillic		

N Icyrillic	N afii57700
N Idot	N afii57705
N Iecyrillic	N afii57723
N Iicyrillic	N alef
N Iishortcyrillic	N alefmaksurainitialarabic
N Iocyrillic	N alefmaksuramedialarabic
N Izhitsacyrillic	N approximatelyequal
N Jecyrillic	N asteriskaltonearabic
N Kacyrillic	N ayin
N Kcedilla	N bet
N Khacyrillic	N betdagesh
N Kjecyrillic	N blackdownpointingtriangle
N Lcedilla	N blackleftpointingpointer
N Ljecyrillic	N blackrectangle
N Ncedilla	N blackrightpointingpointer
N Njecyrillic	N blacksmilingface
N Ocyrillic	N blacksquare
N Odblacute	N blackuppointingtriangle
N Ohm	N bulletinverse
N Pecyrillic	N cdot
N Rcedilla	N compass
N Shacyrillic	N dagesh
N Shchacyrillic	N dalet
N Softsigncyrillic	N daletdagesh
N Tcedilla	N dalethatafpatah
N Tecyrillic	N dalethatafpatahhebrew
N Tsecyrillic	N dalethatafsegol
N Tshecyrillic	N dalethatafsegolhebrew
N Ucyrillic	N dalethebrew
N Udblacute	N dalethiriq
N Ushortcyrillic	N dalethiriqhebrew
N Vecyrillic	N daletholam
N Yatcyrillic	N daletholamhebrew
N Yericyrillic	N daletpatah
N Yicyrillic	N daletpatahhebrew
N Zdot	N daletqamats
N Zecyrillic	N daletqamatshebrew
N Zhecyrillic	N daletqubuts
N acutecmb	N daletqubutshebrew
N acyrillic	N daletsegol
N afii00208	N daletsegolhebrew
N afii08941	N daletsheva
N afii57694	N daletshevahebrew
N afii57695	N dalettsere

N dammaarabic N hatafpatah16 N dammatanaltonearabic N hatafpatah23 N dargahebrew N hatafpatah2f N dbllowline N hatafpatahhebrew N decimalseparatorarabic N hatafpatahnarrowhebrew N dialytikatonos N hatafpatahquarterhebrew N dotbelowcmb N hatafgamats N doublevodpatah N hatafgamats1b N doubleyodpatahhebrew N hatafgamats28 N hatafqamats34 N edot N eightarabic N hatafgamatshebrew N eighthnotebeamed N hatafqamatsnarrowhebrew N etnahtafoukhhebrew N hatafgamatsguarterhebrew N etnahtafoukhlefthebrew N hatafsegol N etnahtahebrew N hatafsegol17 N fathaarabic N hatafsegol24 N finalkaf N hatafsegol30 N finalkafdagesh N hatafsegolhebrew N finalkafhebrew N hatafsegolnarrowhebrew N finalkafgamats N hatafsegolguarterhebrew N finalkafgamatshebrew N finalkafsheva N hedagesh N finalmem N hehfinalalttwoarabic N finalnun N het N finalpe N hiria N finaltsadi N hiria14 N fivearabic N hirig21 N forall N hiriq2d N fourarabic N hirighebrew N gcedilla N hirignarrowhebrew N qdot N hirigguarterhebrew N gimel N holam N gimeldagesh N holam19 N holam26 N gravecmb N holam32 N haaltonearabic 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 gamats33 N kcedilla N gamatsde N lamed N gamatshebrew N lameddagesh N gamatsnarrowhebrew N lamedhebrew N gamatsgatanhebrew N lamedholam N gamatsgatannarrowhebrew N lamedholamdagesh N gamatsgatanguarterhebrew N lamedholamdageshhebrew N qamatsqatanwidehebrew N laminitialarabic N gamatsquarterhebrew N lammeemjeeminitialarabic N qof N lcedilla N qofdagesh N logicalnotreversed N qofhatafpatah N mahapakhhebrew N gofhatafpatahhebrew N qofhatafsegol N mem N memdagesh N qofhatafsegolhebrew N merkhahebrew N gofhebrew N merkhakefulahebrew N gofhirig N middot N qofhirighebrew N munahhebrew N gofholam N nbspace N gofholamhebrew N ncedilla N gofpatah N newshegelsign N qofpatahhebrew N ninearabic N gofgamats N noonhehinitialarabic N gofgamatshebrew N nun N qofqubuts N nundagesh N qofqubutshebrew N odblacute N qofsegol N onearabic N qofsegolhebrew N overscore N qofsheva N patah N gofshevahebrew N patah11 N goftsere N patahld N qubuts N patah2a N qubuts18 N patahhebrew N gubuts25 N patahnarrowhebrew N gubuts31 N patahquarterhebrew N qubutshebrew N pe N gubutsnarrowhebrew N pedagesh N qubutsquarterhebrew N quoteleftreversed N gamats N gamats10 N rafe N rcedilla N gamatsla N reharabic N qamats1c N gamats27 N resh N gamats29 N reshhatafpatah

	reshhatafpatahhebrew		N shindageshsindot
	reshhatafsegol		N shinshindot
	reshhatafsegolhebrew		N shinsindot
N	reshhebrew		N siluqhebrew
N	reshhiriq		N sixarabic
N	reshhiriqhebrew		N tav
N	reshholam		N tavdages
N	reshholamhebrew		N tavdagesh
N	reshpatah		N tcedilla
N	reshpatahhebrew		N tchehinitialarabic
N	reshqamats		N tet
N	reshqamatshebrew		N tetdagesh
N	reshqubuts		N tevirhebrew
N	reshqubutshebrew		N thousandsseparatorarabic
N	reshsegol		N threearabic
N	reshsegolhebrew		N tildecmb
N	reshsheva		N tipehahebrew
N	reshshevahebrew		N tsadi
N	reshtsere		N tsadidagesh
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 ca	ache
			txcodes
	shindagesh	N	AEacute
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N AFmacron N Dzcaronligature N Aacute N Dzligature N Abreve N Eacute N Abreveacute N Ebreve N Abrevedotbelow N Ecaron N Ecedilla N Abrevegrave N Abrevehook N Ecircumflex N Abrevetilde N Fcircumflexacute N Ecircumflexdotbelow N Acaron N Acircumflex N Ecircumflexgrave N Acircumflexacute N Ecircumflexhook N Acircumflexdotbelow N Ecircumflextilde N Acircumflexgrave N Ediaeresis N Acircumflexhook N Edotaccent N Acircumflextilde N Edotbelow N Adiaeresis N Edoublegrave N Adiaeresismacron N Egrave N Adotaccent N Ehook N Adotaccentmacron N Einvertedbreve N Adotbelow N Emacron N Adoublegrave N Eogonek N Agrave N Eth N Ahook N Etilde N Ainvertedbreve N Fhook N Amacron N Gacute 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 Hearon 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 Idotbelow N Dstroke N Idoublegrave

N Igrave N Ohook N Ihook N Ohorn N Iinvertedbreve N Ohornacute N Imacron N Ohorndotbelow N Iogonek N Ohorngrave N Istroke N Ohornhook N Itilde N Ohorntilde N lcircumflex N Ohungarumlaut N Kcaron N Oinvertedbreve N Kcommaaccent N Omacron N Khook N Oogonek N LJligature N Oogonekmacron N Lacute N Ostroke N Lbar N Ostrokeacute N Lcaron N Otilde N Lcommaaccent N Otildemacron N Ldotmiddle N Phook N Racute N Ljligature N Lstroke N Rcaron N NJligature N Rcommaaccent N Nacute N Rdoublegrave N Ncaron N Rinvertedbreve N Ncommaaccent N Sacute N Neng N Scaron N Ngrave N Scedilla N Njligature N Schwa N Ntilde N Scircumflex N OEligature N Scommaaccent N Oacute N Tcaron N Obreve N Tcedilla N Ocaron N Tcommaaccent 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 Odiaeresismacron N Udiaeresis N Odotaccent N Udiaeresisacute N Odotaccentmacron N Udiaeresiscaron N Odotbelow N Udiaeresisgrave N Odoublegrave N Udiaeresismacron N Ograve N Udotbelow

N Udoublegrave N adiaeresismacron N Ugrave N adotaccent N Uhook N adotaccentmacron N Uhorn N adotbelow N Uhornacute N adoublegrave N Uhorndotbelow N aeacute N Uhornarave N aeligature N Ilhornhook N aemacron N Uhorntilde N agrave N Uhungarumlaut N ahook N Uinvertedbreve N ainvertedbreve N Umacron N amacron N Uogonek N aogonek N Uring N aring N Utilde N aringacute N Wcircumflex N atilde N Yacute N bhook N Ycircumflex N breakablethinspace N Ydiaeresis N bstroke N Ydotbelow N cacute N Yarave N carriagereturn N Yhook N ccaron N Ymacron N ccedilla N Ytilde N ccircumflex N Zacute N ccurl N Zcaron N cdotaccent N Zdotaccent N chook N Zhook N copyright N Zstroke N cstroke N aacute N cyrillicA N abreve N cyrillicAE N abreveacute N cyrillicAbreve N abrevedothelow N cyrillicAdiaeresis N abrevegrave N cyrillicB N abrevehook N cyrillicBIGYUS N abrevetilde N cyrillicBIGYUSiotified N cyrillicC N acaron 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 cyrillicCHEvertstroke

N adiaeresis

N cvrillicD N cvrillicKAbashkir N cyrillicDASIAPNEUMATA N cyrillicKAhook N cyrillicDJE N cyrillicKAstroke N cyrillicDZE N cyrillicKAvertstroke N cyrillicDZEabkhasian N cyrillicKJE N cyrillicDZHE N cyrillicKOPPA N cvrillicE N cvrillicKSI N cvrillicELtail N cvrillicL N cyrillicLITTLEYUS N cyrillicEMtail N cyrillicENDC N cyrillicLITTLEYUSiotified N cvrillicENGHE N cvrillicLJE N cvrillicENhook N cvrillicM N cyrillicENtail N cyrillicN N cyrillicEREV N cyrillicNJE N cyrillicERY N cyrillic0 N cyrillicERtick N cyrillicOMEGA N cyrillicEbreve N cyrillic0MEGAround N cyrillicEdiaeresis N cyrillicOMEGAtitlo N cyrillicEgrave N cyrillicOT N cyrillicEiotified N cyrillicObarred N cvrillicF N cvrillicObarreddiaeresis N cyrillicFITA N cvrillicOdiaeresis N cyrillicG N cyrillicP N cyrillicGHEmidhook N cyrillicPALATALIZATION N cyrillicGHEstroke N cyrillicPALOCHKA N cyrillicGHEupturn N cyrillicPEmidhook N cyrillicGJE N cyrillicPSI N cyrillicH N cyrillicPSILIPNEUMATA N cyrillicHA N cyrillicR N cyrillicHADC N cyrillicS N cyrillicHRDSN N cyrillicSCHWA 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 cyrillicTEDC N cyrillicImacron N cyrillicTETSE N cyrillicJE N cyrillicTITL0 N cyrillicK N cyrillicTSHE

N cyrillicU

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N cvrillicUK N cvrillicegrave N cyrillicUSHRT N cyrilliceiotified N cyrillicUdiaeresis N cyrilliceltail N cyrillicUdoubleacute N cyrillicemtail N cyrillicUmacron N cyrillicendc N cyrillicV N cyrillicenghe N cvrillicYA N cvrillicenhook N cvrillicYAT N cvrillicentail N cyrillicYERUdiaeresis N cyrillicerev N cyrillicYI N cyrillicertick N cvrillicY0 N cvrillicerv N cvrillicYU N cvrillicf N cyrillicYstr N cyrillicfita N cvrillicYstrstroke N cyrillicg N cvrillicZ N cyrillicghemidhook N cyrillicZDSC N cyrillicghestroke N cyrillicZEdiaeresis N cyrillicgheupturn N cvrillicZH N cyrillicgje N cyrillicZHEbreve N cyrillich N cyrillicZHEdescender N cyrillicha N cvrillicZHEdiaeresis N cvrillichadc N cvrillica N cvrillichrdsn N cyrillicabreve N cyrillici N cyrillicadiaeresis N cyrillicidiaeresis N cvrillicae N cvrillicie N cyrillicb N cyrillicigrave N cyrillicbigyus N cyrillicii N cyrillicbigyusiotified N cyrillicimacron N cyrillicc N cyrillicishrt N cyrillicch N cyrillicishrttail N cyrilliccheabkhasian N cyrillicizhitsa 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 cyrillicdzhe N cyrillickoppa N cyrillice N cyrillicksi

N cyrillicl

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N cyrillicyu N cvrilliclittlevusiotified N cyrilliclie N cyrillicz N cyrillicm N cyrilliczdsc N cyrilliczediaeresis N cyrillicn N cyrillicnje N cyrilliczh N cyrillico N cyrilliczhebreve N cvrillicobarred N cvrilliczhedescender N cvrillicobarreddiaeresis N cyrilliczhediaeresis N cyrillicodiaeresis N dcaron N cyrillicomega N dcurl N dhook N cyrillicomegaround N dotlessI N cyrillicomegatitlo N cyrillicot N dotlessJ N cyrillicp N dotlessi N cyrillicpemidhook N dotlessj N cyrillicpsi N dotlessistroke N cyrillicr N dstroke N dtail N cyrillics N cyrillicschwa N dzcaronligature N cyrillicschwadiaeresis N dzligature N cvrillicsdsc N eacute N cyrillicsemisoft N ebreve N cyrillicsftsn N ecaron N cyrillicsh N ecedilla N cvrillicshch N ecircumflex N cvrillicshha N ecircumflexacute N cyrillict N ecircumflexdotbelow N cyrillictedc N ecircumflexgrave N cyrillictetse N ecircumflexhook N ecircumflextilde N cyrillictshe N cyrillicu N ediaeresis N cyrillicudiaeresis N edotaccent N cyrillicudoubleacute N edothelow N edoublegrave N cyrillicuk N cyrillicumacron N egrave N cyrillicushrt N ehook N cyrillicv N einvertedbreve 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 etilde

N cyrillicystrstroke

N exclamdown N areekEpsilon N ffiligature N greekEpsilondasia N greekEpsilondasiatonos N ffligature N fflligature N greekEpsilondasiavaria N fhook N greekEpsilonpsili N figurespace N greekEpsilonpsilitonos N filigature N greekEpsilonpsilivaria N fiveeighths N greekEpsilontonos N fivesixths N greekEpsilonvaria N flligature N greekEta N fourfifths N greekEtadasia N fourperemspace N greekEtadasiaperispomeni N gacute N greekEtadasiatonos N gbreve N greekEtadasiavaria N greekEtaiotasub N gcaron N gcircumflex N greekEtaiotasubdasia N gcommaaccent N greekEtaiotasubdasiaperispomeni N greekEtaiotasubdasiatonos N gdotaccent N greekEtaiotasubdasiavaria N greekAlpha N greekAlphadasia N greekEtaiotasubpsili N greekAlphadasiaperispomeni N greekEtaiotasubpsiliperispomeni N greekAlphadasiatonos N greekEtaiotasubpsilitonos N greekEtaiotasubpsilivaria N greekAlphadasiavaria N greekEtapsili N greekAlphaiotasub 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 greekIotavrachy

N greekDelta

N greekKappa N greekUpsilondasiaperispomeni N greekLambda N greekUpsilondasiatonos N greekMu N greekUpsilondasiavaria N greekNu N greekUpsilondialytika N greekOmega N greekUpsilonmacron N greekOmegadasia N greekUpsilontonos N greekOmegadasiaperispomeni N greekUpsilonvaria N greekOmegadasiatonos N greekUpsilonvrachv N greekOmegadasiavaria N greekXi N greekOmegaiotasub N greekZeta N greekOmegaiotasubdasia N greekalpha N greekOmegaiotasubdasiaperispomeni N greekalphadasia N greekOmegaiotasubdasiatonos N greekalphadasiaperispomeni N greekOmegaiotasubdasiavaria N greekalphadasiatonos N greekOmegaiotasubpsili N greekalphadasiavaria N greekOmegaiotasubpsiliperispomeni N greekalphaiotasub N greekOmegaiotasubpsilitonos N greekalphaiotasubdasia N greekOmegaiotasubpsilivaria N greekalphaiotasubdasiaperispomeni N greekOmegapsili N greekalphaiotasubdasiatonos N greekOmegapsiliperispomeni N greekalphaiotasubdasiavaria N greekOmegapsilitonos N greekalphaiotasubperispomeni N greekOmegapsilivaria N greekalphaiotasubpsili N greekOmegatonos N greekalphaiotasubpsiliperispomeni N greekOmegavaria N greekalphaiotasubpsilitonos N areekOmicron N greekalphaiotasubpsilivaria N greekOmicrondasia N greekalphaiotasubtonos N greekOmicrondasiatonos N greekalphaiotasubvaria N greekOmicrondasiavaria N greekalphamacron N greekOmicronpsili N greekalphaoxia N greekOmicronpsilitonos N greekalphaperispomeni N greekOmicronpsilivaria N greekalphapsili N greekOmicrontonos N greekalphapsiliperispomeni N greekOmicronvaria N greekalphapsilitonos N greekPhi N greekalphapsilivaria N greekPi N greekalphatonos N greekPsi N greekalphavaria N greekRho N greekalphavrachy N greekRhodasia N greekbeta N greekchi N greekSigma N greekSigmalunate N greekdasia N greekTau N greekdasiaperispomeni N greekTheta N greekdasiatonos N greekUpsilon N greekdasiavaria N greekUpsilondasia N greekdelta

N greekdialytikaperispomeni	N	greekiotadasiaperispomeni
N greekdialytikatonos	N	greekiotadasiatonos
N greekdialytikavaria	N	greekiotadasiavaria
N greekdigamma	N	greekiotadialytika
N greekepsilon	N	greekiotadialytikaperispomeni
N greekepsilonalt	N	greekiotadialytikatonos
N greekepsilondasia	N	greekiotadialytikavaria
N greekepsilondasiatonos	N	greekiotamacron
N greekepsilondasiavaria	N	greekiotaoxia
N greekepsilonoxia	N	greekiotaperispomeni
N greekepsilonpsili	N	greekiotapsili
N greekepsilonpsilitonos	N	greekiotapsiliperispomeni
N greekepsilonpsilivaria	N	greekiotapsilitonos
N greekepsilontonos	N	greekiotapsilivaria
N greekepsilonvaria	N	greekiotatonos
N greeketa	N	greekiotavaria
N greeketadasia	N	greekiotavrachy
N greeketadasiaperispomeni	N	greekkappa
N greeketadasiatonos	N	greekkoppa
N greeketadasiavaria	N	greeklambda
N greeketaiotasub	N	greekmu
N greeketaiotasubdasia	N	greeknu
N greeketaiotasubdasiaperispomeni	N	greeknumkoppa
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 greekomegapsilitonos N greekupsilondialytikaperispomeni N greekomegapsilivaria N greekupsilondialytikatonos N greekomegatonos N greekupsilondialytikavaria N greekomegavaria N greekupsilonmacron N greekomicron N greekupsilonoxia N greekomicrondasia N greekupsilonperispomeni N greekomicrondasiatonos N greekupsilonpsili N greekomicrondasiavaria N greekupsilonpsiliperispomeni N greekomicronoxia N greekupsilonpsilitonos N greekomicronpsili N greekupsilonpsilivaria N greekomicronpsilitonos N greekupsilontonos N greekomicronpsilivaria N greekupsilonvaria N greekomicrontonos N greekupsilonvrachy N greekomicronvaria N greekvaria N greekoxia N greekxi N greekperispomeni N greekzeta N greekphi N astroke N greekphialt N guilsingleleft N greekpi N guilsingleright N greekpialt N hairspace N greekprosgegrammeni N hcaron N greekpsi N hcircumflex N hebrewAlef N greekpsili N greekpsiliperispomeni N hebrewAyin N greekpsilitonos N hebrewBet N greekpsilivaria N hebrewDalet N hebrewGimel N greekrho N greekrhoalt N hebrewHe N hebrewHet N greekrhodasia N hebrewKaf N greekrhopsili N hebrewKaffinal N greeksampi N greeksigma N hebrewlamed N greeksigmalunate N hehrewMem N hebrewMemfinal N greekstigma N hebrewNun N greektau N greektheta N hebrewNunfinal N hebrewPe N greekthetaalt N hebrewPefinal N greektonos N greekupsilon N hebrewOof N greekupsilondasia N hebrewResh N hebrewSamekh N greekupsilondasiaperispomeni N hebrewShin N greekupsilondasiatonos N hebrewTav N greekupsilondasiavaria N greekupsilondiaeresis N hebrewTet

N hehrewTsadi N ncurl N hebrewTsadifinal N neng N hebrewVav N ngrave N hebrewYod N njligature N hebrewZayin N nobreakspace N hstroke N ntilde N iacute N oacute N ibreve N obreve N icaron N ocaron N icircumflex N ocircumflex N ocircumflexacute N ideographichalffillspace N ocircumflexdotbelow N ideographicspace N idiaeresis N ocircumflexgrave N idotaccent N ocircumflexhook N ocircumflextilde N idotbelow N idoublegrave N odiaeresis N igrave N odiaeresismacron N ihook N odotaccent N iinvertedbreve N odotaccentmacron N odotbelow N ijligature N imacron N odoublegrave N iogonek N oeligature N itilde N ograve N jcaron N ohook N icircumflex N ohorn N kcaron N ohornacute N kcommaaccent N ohorndotbelow N khook N ohorngrave N kkra N ohornhook N lacute N ohorntilde N lbar N ohungarumlaut N lcaron N oinvertedbreve N lcommaaccent N omacron N lcurl N oneeighth N ldotmiddle N onefifth N leftguillemot N onehalf N liligature N onequarter N lstroke N onesixth N medspace N onesuperior N nacute N onethird N napostrophe N oogonek N narrownobreakspace N oogonekmacron N ordfeminine N ncaron

previous 54 next

N ordmasculine

N ncommaaccent

N romanii N ostroke N ostrokeacute N romaniii N otilde N romaniv N otildemacron N romanix N paragraphmark N romanl N periodcentered N romanm N perthousand N romany N phook N romanyi N romanvii N punctuationspace N questiondown N romanviii N quotedbl N romanx N quotedblbase N romanxi N quotedblleft N romanxii N quotedblright N sacute N quoteleft N scaron N quoteright N scedilla N quotesingle N schwa N schwahook N quotesinglebase N scircumflex N racute N scommaaccent N rcaron N rcommaaccent N sectionmark N seveneighths N rdoublegrave 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 romanTX N textAngstrom N romani 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 textbrokenbar N textunderscore N textbullet N textyen N textcaron N thook N textcedilla N thorn N textcelsius N threeeighths N textcent N threefifths N textcircledP N threeperemspace N textcircumflex N threequarter N textcomma N threesuperior N textcurrency N trademark N textdag N tstroke N textddag N twofifths N textdegree N twosuperior N textdiaeresis N twothirds N textdiv N uacute N textdollar N ubreve N textdona N ucaron N textdotaccent N ucircumflex N textellipsis N udiaeresis N texteuro N udiaeresisacute N textfraction N udiaeresiscaron N textorave N udiaeresisgrave N texthash N udiaeresismacron N texthorizontalbar N udotbelow N texthungarumlaut N udoublegrave N texthyphen N ugrave N textkelvin N uhook N textlognot N uhorn N textmacron N uhornacute N textmho N uhorndotbelow N textminus N uhorngrave N textmu N uhornhook N textmultiply N uhorntilde N uhungarumlaut N textnumero N uinvertedbreve N textogonek N textohm N umacron N textounce N uogonek N textpercent N uring N textperiod N utilde N textpm N wcircumflex N textring N yacute N textslash N ycircumflex N ydiaeresis N textsterling N texttilde N ydotbelow

N. varava	N. Adiovociomocron
N ygrave	N Addresismacron
N yhook	N Adotbelow
N ymacron	N Adotmacron
N ytilde	N Agrave
N zacute	N Ahookabove
N zcaron	N Aiecyrillic
N zdotaccent	N Ainvertedbreve
N zerowidthnobreakspace	N Alpha
N zerowidthspace	N Alphatonos
N zhook	N Amacron
N zstroke	N Amonospace
N zwj	N Aogonek
N zwnj	N Aring
is_known	N Aringacute
known	N Aringbelow
load	N Atilde
make_unicode_vector	N Aybarmenian
math	N B
names	N Bcircle
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 Cheharmenian N Fcircumflexhelow N Chekhakassiancyrillic N Ecircumflexdotbelow N Cheverticalstrokecyrillic N Ecircumflexgrave N Chi N Ecircumflexhookabove N Chook N Ecircumflextilde N Cmonospace N Ecyrillic N Coarmenian N Edblarave N D N Edieresis N Edot N DZ N D7caron N Edotaccent N Daarmenian N Edotbelow N Dafrican N Efcyrillic N Dcaron N Egrave N Dcedilla N Eharmenian N Dcircle N Ehookabove N Dcircumflexbelow N Eightroman N Dcroat N Einvertedbreve N Ddotaccent N Eiotifiedcyrillic N Ddotbelow N Elcyrillic 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 ΝE N Ereversed N Ereversedcyrillic N Eacute N Escyrillic N Ebreve 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 Etilde N H18543 N Etildebelow N H18551 N Euro N H22073 N Ezh N HPsquare N Ezhcaron N Haabkhasiancyrillic N Ezhreversed N Hadescendercyrillic NF N Hardsigncyrillic N Fcircle N Hhar N Edotaccent N Hbrevebelow N Feharmenian N Hcedilla N Feicoptic N Hcircle N Fhook N Hcircumflex N Fitacyrillic N Hdieresis N Fiveroman N Hdotaccent N Fmonospace N Hdotbelow N Fourroman N Hmonospace NG N Hoarmenian N GBsquare N Horicoptic N Gacute N Hzsquare N Gamma ΝI N Gammaafrican N IAcyrillic N Gangiacoptic NIJ N Gbreve N IUcyrillic N Gcaron N Iacute N Gcedilla N Threve N Gcircle N Icaron N Gcircumflex N Icircle N Gcommaaccent N Icircumflex N Gdot N Icyrillic N Gdotaccent N Idblgrave N Gecyrillic N Idieresis N Ghadarmenian N Idieresisacute N Ghemiddlehookcyrillic N Idieresiscyrillic N Idot N Ghestrokecyrillic N Gheupturncyrillic N Idotaccent N Ghook N Idotbelow N Iebrevecyrillic N Gimarmenian N Iecyrillic N Gjecyrillic N Gmacron N Ifraktur N Gmonospace N Igrave N Gsmallhook N Ihookabove N Gstroke N Iicyrillic NH N Iinvertedbreve N H18533 N Iishortcyrillic

N Imacron N Klinebelow N Imacroncyrillic N Kmonospace N Imonospace N Koppacyrillic N Iniarmenian N Koppagreek N Iocyrillic N Ksicyrillic N Iogonek NL N Iota N LJ N Totaafrican N Lacute N Iotadieresis N Lambda N Iotatonos N Lcaron N Istroke N Lcedilla N Itilde N Lcircle N Itildebelow N Lcircumflexbelow N Izhitsacyrillic N Lcommaaccent N Izhitsadblgravecyrillic N Ldot N Ldotaccent N Jaarmenian N Ldotbelow N Jcircle N Ldotbelowmacron N Jcircumflex N Liwnarmenian N Jecyrillic N Li 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 Mu N Kcaron N Kcedilla NN N Kcircle N NJ 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 Ndotbelow

N Nhookleft N Omacronacute N Nineroman N Omacrongrave N Ni N Omega N Njecyrillic N Omegacyrillic N Nlinebelow N Omegagreek N Nmonospace N Omegaroundcyrillic N Nowarmenian N Omegatitlocyrillic N Ntilde N Omegatonos N Nu N Omicron N O N Omicrontonos N OE N Omonospace N Oacute N Oneroman N Obarredcyrillic N Oogonek N Obarreddieresiscyrillic N Oogonekmacron N Obreve N Oopen N Ocaron N Oslash N Ocenteredtilde N Oslashacute N Ocircle N Ostrokeacute N Ocircumflex N Otcyrillic N Ocircumflexacute N Otilde N Ocircumflexdotbelow N Otildeacute N Ocircumflexgrave N Otildedieresis N Ocircumflexhookabove ΝP N Ocircumflextilde N Pacute N Ocvrillic N Pcircle N Odblacute N Pdotaccent N Odblgrave N Pecyrillic N Odieresis N Peharmenian N Odieresiscyrillic N Pemiddlehookcyrillic N Odotbelow N Phi N Ograve N Phook N Oharmenian N Pi N Ohm N Piwrarmenian N Ohookabove N Pmonospace N Ohorn N Psi N Ohornacute N Psicyrillic N Ohorndotbelow N Q N Ohorngrave N Qcircle N Ohornhookabove N Qmonospace N Ohorntilde NR N Ohungarumlaut N Raarmenian N Oi N Racute N Oinvertedbreve N Rcaron N Omacron N Rcedilla

N	Rcircle	N	SF400000
N	Rcommaaccent	N	SF410000
N	Rdblgrave	N	SF420000
N	Rdotaccent	N	SF430000
N	Rdotbelow	N	SF440000
N	Rdotbelowmacron	N	SF450000
N	Reharmenian	N	SF460000
N	Rfraktur	N	SF470000
N	Rho	N	SF480000
N	Rinvertedbreve	N	SF490000
N	Rlinebelow	N	SF50000
N	Rmonospace	N	SF500000
N	Rsmallinverted	N	SF510000
N	Rsmallinvertedsuperior	N	SF520000
N	S	N	SF530000
N	SF010000	N	SF540000
N	SF020000	N	SF60000
N	SF030000	N	SF70000
N	SF040000	N	SF80000
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
	5540000		C :

N Sigma

N SF40000

N Sixroman N Udieresis N Smonospace N Udieresisacute N Softsigncyrillic N Udieresisbelow N Stigmagreek N Udieresiscaron ΝT N Udieresiscyrillic N Tau N Udieresisgrave N Tbar N Udieresismacron N Tcaron N Udothelow N Tcedilla N Ugrave N Tcircle N Uhookabove N Tcircumflexbelow N Uhorn N Tcommaaccent N Uhornacute N Tdotaccent N Uhorndotbelow N Tdotbelow N Uhorngrave N Tecyrillic N Uhornhookabove N Tedescendercyrillic N Uhorntilde N Tenroman N Uhungarumlaut N Tetsecyrillic N Uhungarumlautcyrillic N Uinvertedbreve N Theta N Thook N Ukcyrillic N Thorn N Umacron N Threeroman N Umacroncvrillic 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 Tsecyrillic N Upsilondieresishooksymbolgreek N Tshecyrillic N Upsilonhooksymbol N Twelveroman N Upsilontonos N Tworoman N Uring NU N Ushortcyrillic N Uacute N Ustraightcyrillic N Ustraightstrokecyrillic N Ubreve N Ucaron N Utilde N Ucircle N Utildeacute N Ucircumflex N Utildebelow N Ucircumflexbelow ΝV N Ucyrillic N Vcircle N Vdotbelow N Udblacute N Udblgrave N Vecyrillic

N Vewarmenian	N Zaarmenian
N Vhook	N Zacute
N Vmonospace	N Zcaron
N Voarmenian	N Zcircle
N Vtilde	N Zcircumflex
N W	N Zdot
N Wacute	N Zdotaccent
N Wcircle	N Zdotbelow
N Wcircumflex	N Zecyrillic
N Wdieresis	N Zedescendercyrillic
N Wdotaccent	N Zedieresiscyrillic
N Wdotbelow	N Zeta
N Wgrave	N Zhearmenian
N Wmonospace	N Zhebrevecyrillic
N X	N Zhecyrillic
N Xcircle	N Zhedescendercyrillic
N Xdieresis	N Zhedieresiscyrillic
N Xdotaccent	N Zlinebelow
N Xeharmenian	N Zmonospace
N Xi	N Zstroke
N Xmonospace	N a
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 Yericyrillic	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 Z	N acircle

N acircumflex	N afii10033
N acircumflexacute	N afii10034
N acircumflexdotbelow	N afii10035
N acircumflexgrave	N afii10036
N acircumflexhookabove	N afii10037
N acircumflextilde	N afii10038
N acute	N afii10039
N acutebelowcmb	N afii10040
N acutecmb	N afii10041
N acutecomb	N afii10042
N acutedeva	N afii10043
N acutelowmod	N afii10044
N acutetonecmb	N afii10045
N acyrillic	N afii10046
N adblgrave	N afii10047
N addakgurmukhi	N afii10048
N adeva	N afii10049
N adieresis	N afii10050
N adieresiscyrillic	N afii10051
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	N afii10058
N afii00208	N afii10059
N afii08941	N afii10060
N afii10017	N afii10061
N afiil0018	N afii10062
N afii10019	N afii10065
N afii10020	N afii10066
N afii10021	N afii10067
N afii10022	N afii10068
N afii10023	N afii10069 N afii10070
N afii10024	
N afii10025	N afii10071
N afii10026	N afii10072
N afii10027	N afii10073
N afii10028 N afii10029	N afii10074
N afii10029 N afii10030	N afii10075 N afii10076
N afii10030 N afii10031	N afii10076
N afii10031	
N GITTIONSE	N afii10078

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N a	afii10081	N	afii57388
Na	afii10082	N	afii57392
Na	afii10083	N	afii57393
Na	afii10084	N	afii57394
Na	afii10085	N	afii57395
Na	afii10086	N	afii57396
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Na	afii10088	N	afii57398
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Na	afii10109	N	afii57424
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N afii57674	N afii61289
N afii57675	N afii61352
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N afii57677	N afii61574

N	afii61575	N	alefqamatshebrew
N	afii61664	N	aleph
N	afii63167	N	allequal
N	afii64937	N	alpha
N	agrave	N	alphatonos
N	agujarati	N	amacron
N	agurmukhi	N	amonospace
N	ahiragana	N	ampersand
N	ahookabove	N	ampersandmonospace
N	aibengali	N	amsquare
N	aibopomofo	N	anbopomofo
N	aideva	N	angbopomofo
N	aiecyrillic	N	angkhankhuthai
N	aigujarati	N	angle
N	aigurmukhi	N	anglebracketleft
N	aimatragurmukhi	N	anglebracketleftvertical
N	ainarabic	N	anglebracketright
N	ainfinalarabic	N	anglebracketrightvertical
N	aininitialarabic	N	angleleft
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
N	alef	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 asmallkatakana N arrowdashdown N arrowdashleft N asmallkatakanahalfwidth N arrowdashright N asterisk N asteriskaltonearabic N arrowdashup N arrowdblboth N asteriskarabic N arrowdbldown N asteriskmath N arrowdblleft N asteriskmonospace N arrowdblright N asterisksmall N arrowdblup N asterism N arrowdown N asymptoticallyequal N arrowdownleft N at N arrowdownright N atilde N arrowdownwhite N atmonospace N arrowheaddownmod N atsmall N arrowheadleftmod N aturned N arrowheadrightmod N aubengali N arrowheadupmod N aubopomofo N arrowleft N audeva N arrowleftdbl N augujarati 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 aybarmenian N arrowtableft N ayin N arrowtabright N ayinaltonehebrew N arrowup N ayinhebrew N b N arrowupdn N arrowupdnbse N babengali N arrowupdownbase N backslash N arrowupleft N backslashmonospace N arrowupleftofdown N badeva N arrowupright N bagujarati N arrowupwhite N bagurmukhi N bahiragana N asciicircum 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 bdotaccent N blackrightpointingpointer N bdotbelow N blackrightpointingtriangle N beamedsixteenthnotes N blacksmallsquare N because N blacksmilingface N becyrillic N blacksquare N beharabic N blackstar N behfinalarabic N blackupperlefttriangle N behinitialarabic N blackupperrighttriangle N behiragana N blackuppointingsmalltriangle N behmedialarabic N blackuppointingtriangle N behmeeminitialarabic N blank N blinebelow N behmeemisolatedarabic N behnoonfinalarabic N block N bekatakana N bmonospace N benarmenian N bobaimaithai N bet N bohiragana N beta N bokatakana N betasymbolgreek N bparen N betdagesh N bqsquare N betdageshhebrew N braceleft N bethebrew N braceleftmonospace N betrafehebrew N braceleftsmall N bhabengali N braceleftvertical N bhadeva N braceright N bhagujarati N bracerightmonospace N bhagurmukhi N bracerightsmall N bhook N bracerightvertical N bihiragana N bracketleft N bikatakana N bracketleftmonospace N bilabialclick N bracketright N bindigurmukhi N bracketrightmonospace N birusquare N breve N blackcircle N brevehelowomb N blackdiamond N brevecmb N breveinvertedbelowcmb N blackdownpointingtriangle N blackleftpointingpointer N breveinvertedcmb N blackleftpointingtriangle N breveinverteddoublecmb 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 bullet N checkmark N bulletinverse N checyrillic N bulletoperator N chedescenderabkhasiancyrillic N bullseye N chedescendercyrillic N c N chedieresiscyrillic N caarmenian N cheharmenian N cabengali N chekhakassiancvrillic N cacute N cheverticalstrokecvrillic N cadeva N chi N chieuchacirclekorean N caquiarati N cagurmukhi N chieuchaparenkorean N calsquare N chieuchcirclekorean N candrabindubengali N chieuchkorean N candrabinducmb N chieuchparenkorean N candrabindudeva N chochangthai N candrabinduqujarati N chochanthai N capslock N chochingthai N careof N chochoethai N chook N caron N caronbelowcmb N cieucacirclekorean N caroncmb 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 circumflexcmb N cent N centigrade N clear N centmonospace N clickalveolar N chaarmenian N clickdental N chabengali N clicklateral N chadeva N clickretroflex N chagujarati N club N chagurmukhi N clubsuitblack N chbopomofo N clubsuitwhite N cheabkhasiancyrillic N cmcubedsquare

N cmonospace N controlGS N cmsquaredsquare N controlHT N coarmenian N controlLF N colon N controlNAK N colonmonetary N controlRS N colonmonospace N controlSI N colonsian N controlSO N colonsmall N controlSOT N colontriangularhalfmod N controlSTX N colontriangularmod N control SUB N controlSYN N comma N commaabovecmb N controlUS N commaaboverightcmb N controlVT N commaarabic N copyright N commaarmenian N cornerbracketleft N commamonospace N cornerbracketlefthalfwidth N commareversedabovecmb N cornerbracketleftvertical N commareversedmod N cornerbracketright N commasmall N cornerbracketrighthalfwidth N commaturnedabovecmb N cornerbracketrightvertical N commaturnedmod N corporationsquare N compass N cosquare N congruent N coverkgsquare N contourintegral N cparen N control N cruzeiro N controlACK N cstretched N controlBEL N curlyand N controlBS N curlyor N controlCAN N 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 dahiragana

N controlFS

N dakatakana N dblintegral N dalarabic N dbllowline N dalet N dbllowlinecmb N daletdagesh N dbloverlinecmb N daletdageshhebrew N dblprimemod N dalethatafpatah N dblverticalbar N dalethatafpatahhebrew N dblverticallineabovecmb N dalethatafsegol N dbopomofo N dalethatafsegolhebrew N dbsquare N dalethebrew N dcaron N dalethiria N dcedilla N dalethirighebrew N dcircle N daletholam N dcircumflexbelow N daletholamhebrew N dcroat N daletpatah N ddabengali N daletpatahhebrew N ddadeva N daletgamats N ddagujarati N daletgamatshebrew N ddagurmukhi N daletqubuts N ddalarabic 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 ddotbelow N dammaarabic N decimalseparatorarabic N dammalowarabic N decimalseparatorpersian N dammatanaltonearabic N decyrillic N dammatanarabic N degree N danda N dehihebrew N dargahebrew N dehiragana N dargalefthebrew N deicoptic N dekatakana N dasiapneumatacyrilliccmb 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 dhaqujarati

N downtackbelowcmb N dhaqurmukhi N dhook N downtackmod N dialytikatonos N dparen N dialytikatonoscmb N dtail N diamond N dtopbar N diamondsuitwhite N duhiragana N dieresis N dukatakana N dieresishelowcmb N dz N dieresiscmh N dzaltone N dieresistonos N dzcaron N dihiragana N dzcurl N dikatakana N dzeabkhasiancyrillic N dittomark N dzecyrillic N divide N dzhecyrillic N divides N divisionslash N eacute N djecyrillic N earth N dkshade N ebengali N dlinebelow N ebopomofo N dlsquare N ebreve 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 dollarsmall N ecircumflex N dong N ecircumflexacute N dorusquare N ecircumflexhelow N dotaccent N ecircumflexdotbelow N dotaccentcmb N ecircumflexgrave N dotbelowcmb N ecircumflexhookabove N dotbelowcomb N ecircumflextilde N dotkatakana N ecyrillic N edblgrave N dotlessi N dotlessj N edeva N dotlessjstrokehook N edieresis N dotmath N edot N dottedcircle N edotaccent N doubleyodpatah N edotbelow N doubleyodpatahhebrew N eegurmukhi

N eematragurmukhi N ellipsis N efcyrillic N ellipsisvertical N egrave N emacron N egujarati N emacronacute N eharmenian N emacrongrave N ehbopomofo N emcyrillic N ehiragana N emdash N ehookabove N emdashvertical N eibopomofo N emonospace N eight N emphasismarkarmenian N eightarabic N emptyset N eightbengali N enbopomofo N eightcircle N encyrillic N eightcircleinversesansserif N endash N eightdeva N endashvertical N eighteencircle N endescendercyrillic N eighteenparen N eng N eighteenperiod N engbopomofo N eightgujarati N enghecyrillic N eightgurmukhi 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 eopenreversedclosed N eightparen N eightperiod N eopenreversedhook N eightpersian N eparen N eightroman N epsilon N epsilontonos N eightsuperior 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 eshcurl

N elevenroman

N eshortdeva N fdotaccent N eshortvowelsigndeva N feharabic N eshreversedloop N feharmenian N fehfinalarabic N eshsquatreversed N esmallhiragana N fehinitialarabic N fehmedialarabic N esmallkatakana N esmallkatakanahalfwidth N feicoptic N estimated N female N ff Neta N etarmenian N ffi N ffl N etatonos N fi N eth N etilde N fifteencircle N etildebelow N fifteenparen N etnahtafoukhhebrew N fifteenperiod N etnahtafoukhlefthebrew N figuredash N etnahtahebrew N filledbox N etnahtalefthebrew N filledrect N eturned N finalkaf 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 finalkafshevahebrew N exclamarmenian N exclamdbl N finalmem N exclamdown N finalmemhebrew N exclammonospace N finalnun N existential N finalnunhebrew N ezh N finalpe N finalpehebrew N ezhcaron N ezhcurl N finaltsadi N ezhreversed N finaltsadihebrew N ezhtail N firsttonechinese Nf N fisheye N fitacyrillic N fadeva 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 fivegujarati N fourthtonechinese N fivegurmukhi N fparen N fivehackarabic N fraction N franc N fivehangzhou N fiveideographicparen Ng N gabengali N fiveinferior N fivemonospace N gacute N gadeva N fiveparen N fiveperiod N gafarabic N fivepersian N gaffinalarabic N gafinitialarabic N fiveroman N fivesuperior N gafmedialarabic N fivethai N qaqujarati N fl N gagurmukhi N florin N gahiragana N fmonospace N gakatakana N fmsquare N gamma N fofanthai N gammalatinsmall N fofathai N gammasuperior N fongmanthai 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 fourgujarati N gdot N fourgurmukhi N gdotaccent N fourhackarabic N gecyrillic N fourhangzhou N gehiragana N fourideographicparen N gekatakana N fourinferior N geometricallyequal N fourmonospace N gereshaccenthebrew N gereshhebrew N fournumeratorbengali N fourparen N gereshmuqdamhebrew N fourperiod N germandbls N fourpersian N gershayimaccenthebrew N fourroman N gershayimhebrew N foursuperior N getamark N fourteencircle N ghabengali N fourteenparen N ghadarmenian N fourteenperiod N ghadeva

N ghagujarati

N fourthai

N ahagurmukhi N greater N ghainarabic N greaterequal N ghainfinalarabic N greaterequalorless N ghaininitialarabic N greatermonospace N ghainmedialarabic N greaterorequivalent N ghemiddlehookcyrillic N greaterorless N ghestrokecyrillic N greateroverequal N gheupturncyrillic N greatersmall N ghhadeva N qscript N ghhagurmukhi N gstroke N ghook N guhiragana N ghzsquare N guillemotleft N gihiragana N quillemotright N gikatakana N guilsinglleft N gimarmenian N guilsinglright N gimel N gukatakana N gimeldagesh N guramusquare N gimeldageshhebrew N gysquare N gimelhebrew Νh N gjecyrillic N haabkhasiancyrillic N glottalinvertedstroke N haaltonearabic N glottalstop N habengali N glottalstopinverted N hadescendercyrillic N glottalstopmod N hadeva N glottalstopreversed N hagujarati N glottalstopreversedmod N hagurmukhi N haharabic N glottalstopreversedsuperior N glottalstopstroke N hahfinalarabic N hahinitialarabic N glottalstopstrokereversed N gmacron N hahiragana N gmonospace N hahmedialarabic N gohiragana N haitusquare N gokatakana N hakatakana N hakatakanahalfwidth N gparen N gpasquare N halantgurmukhi N gradient N hamzaarabic N hamzadammaarabic N grave N hamzadammatanarabic N gravebelowcmb N gravecmb N hamzafathaarabic N gravecomb N hamzafathatanarabic N gravedeva N hamzalowarabic N gravelowmod N hamzalowkasraarabic N hamzalowkasratanarabic N gravemonospace

N hamzasukunarabic

N gravetonecmb

N hehaltonearabic N hangulfiller N hardsigncyrillic N heharabic N harpoonleftbarbup N hehebrew N hehfinalaltonearabic N harpoonrightbarbup N hasquare N hehfinalalttwoarabic N hatafpatah N hehfinalarabic N hatafpatah16 N hehhamzaabovefinalarabic N hatafpatah23 N hehhamzaahoveisolatedarahic N hatafpatah2f N hehinitialaltonearabic N hatafpatahhebrew N hehinitialarabic N hatafpatahnarrowhebrew N hehiragana N hatafpatahquarterhebrew N hehmedialaltonearabic N hatafpatahwidehebrew N hehmedialarabic N hatafqamats N heiseierasquare N hatafqamats1b N hekatakana N hatafgamats28 N hekatakanahalfwidth N hatafgamats34 N hekutaarusquare N hatafgamatshebrew N henghook N hatafqamatsnarrowhebrew N herutusquare N hatafgamatsquarterhebrew 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 hieuhkorean N hatafsegolnarrowhebrew N hatafsegolquarterhebrew N hieuhparenkorean N hatafsegolwidehebrew N hihiragana N hbar N hikatakana N hbopomofo N hikatakanahalfwidth N hbrevehelow N hiriq N hcedilla N hiriq14 N hcircle N hirig21 N hcircumflex N hiriq2d N hdieresis N hirighebrew N hdotaccent N hirignarrowhebrew N hdotbelow N hirigguarterhebrew N he N hiriawidehebrew N heart N hlinebelow N heartsuitblack N hmonospace N heartsuitwhite N hoarmenian N hohipthai N hedagesh N hedageshhebrew N hohiragana

N hokatakana N icvrillic N hokatakanahalfwidth N idblgrave N holam N ideographearthcircle N holam19 N ideographfirecircle N holam26 N ideographicallianceparen N holam32 N ideographiccallparen N holamhebrew N ideographiccentrecircle N holamnarrowhebrew N ideographicclose N holamquarterhebrew N ideographiccomma N holamwidehehrew N ideographiccommaleft N honokhukthai N ideographiccongratulationparen N hookabovecomb N ideographiccorrectcircle N hookemb N ideographicearthparen N hookpalatalizedbelowcmb N ideographicenterpriseparen N hookretroflexbelowcmb N ideographicexcellentcircle N hoonsquare N ideographicfestivalparen N horicoptic N ideographicfinancialcircle N horizontalbar N ideographicfinancialparen N hornemb N ideographicfireparen 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 ideographicsuperviseparen N imacron N ideographicwaterparen N imacroncyrillic N ideographicwoodparen N imageorapproximatelyequal N ideographiczero N imatragurmukhi N ideographmetalcircle N imonospace N ideographmooncircle N increment N ideographnamecircle N infinity N iniarmenian N ideographsuncircle N ideographwatercircle N integral N ideographwoodcircle N integralbottom N ideva N integralbt N idieresis N integraltop N idieresisacute N integraltp N idieresiscyrillic N intersection N idotbelow N intisquare N iebrevecyrillic N invbullet N iecyrillic N invcircle N invsmileface N ieungacirclekorean N iocyrillic N ieungaparenkorean N ieungcirclekorean N iogonek N ieungkorean N iota N ieungparenkorean N iotadieresis N iotadieresistonos N igrave N iotalatin N iqujarati N igurmukhi N iotatonos N iparen N ihiragana N ihookabove N irigurmukhi N iibengali N ismallhiragana N iicyrillic N ismallkatakana N ismallkatakanahalfwidth N iideva N iiqujarati N issharbengali 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 izhitsadblgravecyrillic N iluyhebrew Νi

N	jaarmenian	N	kagurmukhi
N	jabengali	N	kahiragana
N	jadeva	N	kahookcyrillic
N	jagujarati	N	kakatakana
N	jagurmukhi	N	kakatakanahalfwidth
N	jbopomofo	N	kappa
N	jcaron	N	kappasymbolgreek
N	jcircle	N	kapyeounmieumkorean
N	jcircumflex	N	kapyeounphieuphkorean
N	jcrossedtail	N	kapyeounpieupkorean
N	jdotlessstroke	N	kapyeounssangpieupkorean
N	jecyrillic	N	karoriisquare
N	jeemarabic	N	kashidaautoarabic
Ν	jeemfinalarabic	N	kashidaautonosidebearingarabic
Ν	jeeminitialarabic	N	kasmallkatakana
N	jeemmedialarabic	N	kasquare
N	jeharabic	N	kasraarabic
N	jehfinalarabic	N	kasratanarabic
N	jhabengali	N	kastrokecyrillic
N	jhadeva	N	katahiraprolongmarkhalfwidth
N	jhagujarati	N	kaverticalstrokecyrillic
N	jhagurmukhi	N	kbopomofo
Ν	jheharmenian	N	kcalsquare
N	jis	N	kcaron
Ν	jmonospace	N	kcedilla
N	jparen	N	kcircle
Ν	jsuperior	N	kcommaaccent
Ν	k	N	kdotbelow
N	kabashkircyrillic	N	keharmenian
N	kabengali	N	kehiragana
Ν	kacute	N	kekatakana
N	kacyrillic	N	kekatakanahalfwidth
Ν	kadescendercyrillic	N	kenarmenian
N	kadeva	N	kesmallkatakana
N	kaf	N	kgreenlandic
N	kafarabic	N	khabengali
N	kafdagesh	N	khacyrillic
N	kafdageshhebrew	N	khadeva
N	kaffinalarabic	N	khagujarati
N	kafhebrew	N	khagurmukhi
N	kafinitialarabic	N	khaharabic
N	kafmedialarabic	N	khahfinalarabic
N	kafrafehebrew	N	khahinitialarabic

N khahmedialarabic

N kagujarati

N kheicoptic	N kpasquare
N khhadeva	N ksicyrillic
N khhagurmukhi	N ktsquare
N khieukhacirclekorean	N kturned
N khieukhaparenkorean	N kuhiragana
N khieukhcirclekorean	N kukatakana
N khieukhkorean	N kukatakanahalfwidth
N khieukhparenkorean	N kvsquare
N khokhaithai	N kwsquare
N khokhonthai	Νl
N khokhuatthai	N labengali
N khokhwaithai	N lacute
N khomutthai	N ladeva
N khook	N lagujarati
N khorakhangthai	N lagurmukhi
N khzsquare	N lakkhangyaothai
N kihiragana	N lamaleffinalarabic
N kikatakana	N lamalefhamzaabovefinalarabic
N kikatakanahalfwidth	N lamalefhamzaaboveisolatedarabic
N kiroguramusquare	N lamalefhamzabelowfinalarabic
N kiromeetorusquare	N lamalefhamzabelowisolatedarabic
N kirosquare	N lamalefisolatedarabic
N kiyeokacirclekorean	N lamalefmaddaabovefinalarabic
N kiyeokaparenkorean	N lamalefmaddaaboveisolatedarabic
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 lammeemjeeminitialarabic N logicaland N lammeemkhahinitialarabic N logicalnot N largecircle N logicalnotreversed N lbar N logicalor N lbelt N lolingthai N lbopomofo N longs N lcaron N lowlinecenterline N lcedilla N lowlinecmb N lowlinedashed N lcircle N lcircumflexbelow N lozenge N lcommaaccent N lparen N ldot N lslash N ldotaccent N lsquare N ldotbelow N ltshade N ldotbelowmacron N luthai N leftangleabovecmb N lvocalichengali N lefttackbelowcmb N lvocalicdeva N less N lvocalicvowelsignbengali N lessequal N lvocalicvowelsigndeva N lessequalorgreater N lxsquare 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 11adeva N mahapakhlefthebrew N llaqujarati N mahiragana N llinebelow N maichattawathai N llladeva N maiekthai N llvocalicbengali N maihanakatthai N maitaikhuthai N llvocalicdeva N llvocalicvowelsignbengali N maithothai N llvocalicvowelsigndeva N maitrithai N lmiddletilde N maiyamokthai N lmonospace N makatakana N makatakanahalfwidth N lmsquare N lochulathai N male

N mikatakana N mansyonsquare N magafhebrew N mikatakanahalfwidth N mars N minus N masoracirclehebrew N minusbelowcmb N masquare N minuscircle N mbopomofo N minusmod N mbsquare N minusplus N mcircle N minute N mcubedsquare N miribaarusquare N mdotaccent N mirisquare N mdotbelow N mlonglegturned N meemarabic N mlsquare N meemfinalarabic N mmcubedsquare N meeminitialarabic N mmonospace N meemmedialarabic N mmsquaredsquare N meemmeeminitialarabic N mohiragana N meemmeemisolatedarabic N mohmsquare N mokatakana N meetorusquare N mokatakanahalfwidth N mehiragana N meizierasquare N molsquare N mekatakana N momathai N mekatakanahalfwidth N moverssquare N mem N moverssquaredsquare N memdagesh N mparen N memdageshhebrew N mpasquare N memhebrew N mssquare N menarmenian N mturned N merkhahebrew N mu N merkhakefulahebrew N mu1 N merkhakefulalefthebrew N muasquare N merkhalefthebrew N muchgreater 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 mieumcirclekorean N mukatakanahalfwidth N mieumkorean N mulsquare N mieumpansioskorean N multiply

N mieumpansioskorean N multiply
N mieumparenkorean N mumsquare
N mieumpieupkorean N munahhebrew
N mieumsioskorean N munahlefthebrew
N mihiragana N musicalnote

N musicalnotedbl N nieunacirclekorean N musicflatsign N nieunaparenkorean N musicsharpsign N nieuncieuckorean N mussquare N nieuncirclekorean N nieunhieuhkorean N muvsquare N muwsquare N nieunkorean N mvmegasquare N nieunpansioskorean N nieunnarenkorean N mvsquare N mwmegasquare N nieunsioskorean N nieuntikeutkorean N mwsquare Νn N nihiragana N nabengali N nikatakana N nabla N nikatakanahalfwidth N nacute N nikhahitthai N nadeva N nine N nagujarati N ninearabic N nagurmukhi N ninebengali N ninecircle N nahiragana N ninecircleinversesansserif N nakatakana N nakatakanahalfwidth N ninedeva N napostrophe N ninegujarati N nasquare N nineaurmukhi N nbopomofo N ninehackarabic N ninehangzhou N nbspace 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 nineteenperiod N newsheqelsign N nfsquare N ninethai N ngabengali Nnj N njecyrillic N ngadeva N ngagujarati N nkatakana N ngagurmukhi N nkatakanahalfwidth N ngonguthai N nlegrightlong N nhiragana N nlinebelow N nhookleft N nmonospace

N nmsquare

N nhookretroflex

N nnabengali N nuhiragana N nnadeva N nukatakana N nnaqujarati N nukatakanahalfwidth N nuktabengali N nnagurmukhi N nnnadeva N nuktadeva N nohiragana N nuktaqujarati N nokatakana N nuktagurmukhi N nokatakanahalfwidth N numbersian N nonbreakingspace N numbersignmonospace N nonenthai N numbersignsmall N nonuthai N numeralsigngreek N noonarabic N numeralsignlowergreek N noonfinalarabic N numero N noonghunnaarabic N nun N noonghunnafinalarabic N nundagesh N noonhehinitialarabic N nundageshhebrew N nooninitialarabic N nunhebrew N noonjeeminitialarabic N nvsquare N noonjeemisolatedarabic N nwsquare N noonmedialarabic N nyabengali N noonmeeminitialarabic N nvadeva 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 ocandragujarati N notparallel N notprecedes N ocandravowelsigndeva N notsubset N ocandravowelsigngujarati N notsucceeds N ocaron N notsuperset N ocircle N nowarmenian N ocircumflex N nparen N ocircumflexacute N nssquare N ocircumflexdotbelow N nsuperior N ocircumflexgrave N ntilde N ocircumflexhookabove

N ocircumflextilde

N nu

N ocvrillic N one N odblacute N onearabic N odblgrave N onebengali N odeva N onecircle N odieresis N onecircleinversesansserif N odieresiscyrillic N onedeva N odotbelow N onedotenleader N oe N oneeighth N oekorean N onequiarati N ogonek N onegurmukhi N onehackarabic N ogonekcmb N onehalf N ograve N oqujarati N onehangzhou N oharmenian N oneideographicparen N ohiragana N oneinferior N onemonospace N ohookabove N ohorn N onenumeratorbengali N ohornacute N oneparen N ohorndotbelow N oneperiod N ohorngrave N onepersian N ohornhookabove N onequarter N ohorntilde N oneroman N ohungarumlaut N onesuperior N onethai N oinvertedbreve N onethird N okatakana N oogonek N okatakanahalfwidth N oogonekmacron N okorean N oogurmukhi N olehebrew N oomatragurmukhi N omacron N oopen N omacronacute N oparen N omacrongrave N openbullet N omdeva N option N ordfeminine N omega N ordmasculine N omega1 N omegacyrillic N orthogonal N omegalatinclosed N oshortdeva 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 ostrokeacute

N omonospace

N otcyrillic N parenrightsmall N otilde N parenrightsuperior N otildeacute N parenrightvertical N otildedieresis N partialdiff N oubopomofo N paseghebrew N overline N pashtahebrew N overlinecenterline N pasquare N overlinecmb N patah N overlinedashed N patah11 N overlinedblwavy N patah1d N overlinewayy N patah2a N overscore N patahhebrew N ovowelsignbengali N patahnarrowhebrew N ovowelsigndeva N patahquarterhebrew N ovowelsigngujarati N patahwidehebrew Νp N pazerhebrew N paampssquare N pbopomofo N paasentosquare N pcircle N pdotaccent N pabengali N pacute N pe N padeva N pecyrillic N pagedown N pedagesh N pedageshhebrew N pageup 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 pemiddlehookcyrillic N perafehebrew N percent N percentarabic

N parenleft N parenleftaltonearabic N parenleftinferior N parenleftmonospace 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 periodsmall N plusminus N perispomenigreekcmb N plusmod N perpendicular N plusmonospace N perthousand N plussmall N peseta N plussuperior N pfsquare N pmonospace N phabengali N pmsquare N phadeva N pohiragana N phaqujarati N pointingindexdownwhite N phagurmukhi N pointingindexleftwhite N phi N pointingindexrightwhite N phil N pointingindexupwhite N phieuphacirclekorean N pokatakana N phieuphaparenkorean N poplathai N phieuphcirclekorean N postalmark N phieuphkorean N postalmarkface N phieuphparenkorean N pparen N philatin N precedes N phinthuthai N prescription 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 pukatakana N pieupsiostikeutkorean N pieupthieuthkorean N pvsquare N pwsquare N pieuptikeutkorean N pihiragana Nq N pikatakana N qadeva N pisymbolgreek N qadmahebrew N piwrarmenian N gafarabic N qaffinalarabic N plus N plusbelowcmb N qafinitialarabic N pluscircle N gafmedialarabic

N	qamats	N	qoftserehebrew
N	qamats10	N	qparen
N	qamats1a	N	quarternote
N	qamats1c	N	qubuts
N	qamats27	N	qubuts18
N	qamats29	N	qubuts25
N	qamats33	N	qubuts31
N	qamatsde	N	qubutshebrew
N	qamatshebrew	N	qubutsnarrowhebrew
N	qamatsnarrowhebrew	N	qubutsquarterhebrew
N	qamatsqatanhebrew	N	qubutswidehebrew
N	qamatsqatannarrowhebrew	N	question
N	qamatsqatanquarterhebrew	N	questionarabic
N	qamatsqatanwidehebrew	N	questionarmenian
N	qamatsquarterhebrew	N	questiondown
N	qamatswidehebrew	N	questiongreek
N	qarneyparahebrew	N	questionmonospace
N	qbopomofo	N	quotedbl
N	qcircle	N	quotedblbase
N	qhook	N	quotedblleft
N	qmonospace	N	quotedblmonospace
N	qof	N	quotedblprime
N	qofdagesh	N	quotedblprimereversed
N	qofdageshhebrew	N	quotedblright
N	qofhatafpatah	N	quoteleft
N	qofhatafpatahhebrew	N	quoteleftreversed
N	qofhatafsegol	N	quotereversed
N	qofhatafsegolhebrew	N	quoteright
N	qofhebrew	N	quoterightn
N	qofhiriq	N	quotesinglbase
N	qofhiriqhebrew	N	quotesingle
N	qofholam	N	quotesinglemonospace
N	qofholamhebrew	N	r
N	qofpatah	N	raarmenian
N	qofpatahhebrew	N	rabengali
N	qofqamats	N	racute
N	qofqamatshebrew	N	radeva
N	qofqubuts	N	radical
N	qofqubutshebrew	N	radoverssquare
N	qofsegol	N	radoverssquaredsquare
N	qofsegolhebrew	N	radsquare
N	qofsheva	N	rafe
N	qofshevahebrew	N	rafehebrew
N	qoftsere	N	ragujarati

N rahiragana N reshsegol N rakatakana N reshsegolhebrew N rakatakanahalfwidth N reshsheva N ralowerdiagonalbengali N reshshevahebrew N ramiddlediagonalbengali N reshtsere N ramshorn N reshtserehebrew N reversedtilde N ratio N rbopomofo N reviahebrew N reviamugrashhebrew N rcaron N rcedilla N revlogicalnot N rcircle N rfishhook N rcommaaccent N rfishhookreversed N rdblgrave N rhabengali N rdotaccent N rhadeva N rdotbelow N rho N rdotbelowmacron N rhook N referencemark N rhookturned N reflexsubset N rhookturnedsuperior 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 rieulmieumkorean N resh 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 reshhirighebrew N rieultikeutkorean N reshholam N rieulyeorinhieuhkorean N reshholamhebrew N rightangle N reshpatah N righttackbelowcmb N reshpatahhebrew N righttriangle N reshgamats N rihiragana N reshgamatshebrew N rikatakana N reshqubuts N rikatakanahalfwidth

N reshaubutshebrew

N ragurmukhi

N rina N rvocalicvowelsignbengali N ringbelowcmb N rvocalicvowelsigndeva N ringcmb N rvocalicvowelsigngujarati N ringhalfleft Ns N ringhalfleftarmenian N sabengali N ringhalfleftbelowcmb N sacute N ringhalfleftcentered N sacutedotaccent N ringhalfright N sadarabic N ringhalfrightbelowcmb N sadeva N ringhalfrightcentered N sadfinalarahic N sadinitialarabic N rinvertedbreve N sadmedialarabic N rittorusquare N rlinebelow N sagujarati N rlongleg N sagurmukhi N rlonglegturned N sahiragana N rmonospace N sakatakana N rohiragana N sakatakanahalfwidth N rokatakana N sallallahoualayhewasallamarabic N rokatakanahalfwidth N samekh 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 rrvocalicbengali N saraamthai N saraathai N rrvocalicdeva N rrvocalicgujarati N saraethai N saraiithai N rrvocalicvowelsignbengali N saraithai N rrvocalicvowelsigndeva N rrvocalicvowelsigngujarati N saraothai N rthlock N saraueethai N rturned N sarauethai 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 rvocalicqujarati N schwahook

N scircle N sevenhackarabic N scircumflex N sevenhangzhou N scommaaccent N sevenideographicparen N sdotaccent N seveninferior N sdotbelow N sevenmonospace N sdotbelowdotaccent N sevenparen N seagullbelowcmb N sevenperiod N second N sevennersian N secondtonechinese N sevenroman N section N sevensuperior N seenarabic N seventeencircle N seenfinalarabic N seventeenparen N seeninitialarabic N seventeenperiod N seenmedialarabic N seventhai N segol N sfthyphen N segol13 N shaarmenian N segol1f N shabengali N segol2c N shacyrillic N shaddaarabic N segolhebrew N shaddadammaarabic N segolnarrowhebrew N segolquarterhebrew N shaddadammatanarabic N segoltahebrew N shaddafathaarabic N segolwidehebrew N shaddafathatanarabic N seharmenian N shaddakasraarabic N sehiragana N shaddakasratanarabic 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 shagurmukhi N semivoicedmarkkanahalfwidth N shalshelethehrew N shbopomofo N sentisquare N sentosquare N shchacyrillic N seven N sheenarabic N sheenfinalarabic N sevenarabic N sevenbengali N sheeninitialarabic N sevencircle N sheenmedialarabic N sevencircleinversesansserif N sheicoptic N sevendeva N sheqel N seveneighths N shegelhebrew N sevengujarati N sheva N sevengurmukhi N sheval15

N sheva15 N six N sheva22 N sixarabic N sheva2e N sixbengali N shevahebrew N sixcircle N shevanarrowhebrew N sixcircleinversesansserif N shevaquarterhebrew N sixdeva N shevawidehebrew N sixgujarati N shhacvrillic N sixaurmukhi N shimacoptic N sixhackarabic N shin N sixhangzhou N shindagesh N sixideographicparen N shindageshhebrew N sixinferior N shindageshshindot N sixmonospace N shindageshshindothebrew N sixparen N shindageshsindot N sixperiod N shindageshsindothebrew N sixpersian N shindothebrew N sixroman N shinhehrew N sixsuperior N shinshindot N sixteencircle 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 slongdotaccent N sigmalunatesymbolgreek N sihiragana N smileface N sikatakana N smonospace N sikatakanahalfwidth N sofpasughebrew N silughebrew N softhyphen N siluglefthebrew N softsigncyrillic N similar N sohiragana N sindothebrew N sokatakana N siosacirclekorean N sokatakanahalfwidth N siosaparenkorean N soliduslongoverlaycmb N solidusshortoverlaycmb N sioscieuckorean N sorusithai N sioscirclekorean N sioskiyeokkorean N sosalathai N sioskorean N sosothai N siosnieunkorean N sosuathai N siosparenkorean N space N spacehackarabic N siospieupkorean

N spade

N siostikeutkorean

N spadesuitblack N sukatakana N spadesuitwhite N sukatakanahalfwidth N sparen N sukunarabic N squarebelowcmb N summation N squarecc N sun N squarecm N superset N squarediagonalcrosshatchfill N supersetnotequal N squarehorizontalfill N supersetorequal N squarekq N sysquare N squarekm N syouwaerasquare N squarekmcapital Νt N squareln N tabengali N squarelog N tackdown N tackleft N squaremg N squaremil N tadeva N squaremm N taqujarati N squaremsquared N tagurmukhi N taharahic N squareorthogonalcrosshatchfill N tahfinalarabic N squareupperlefttolowerrightfill N tahinitialarabic N squareupperrighttolowerleftfill N squareverticalfill N tahiragana N squarewhitewithsmallblack N tahmedialarabic N srsquare N taisyouerasquare N ssabengali N takatakana N ssadeva N takatakanahalfwidth N ssagujarati N tatweelarabic N ssangcieuckorean N tau N ssanghieuhkorean N tav N ssangieungkorean N tavdages N ssangkiyeokkorean N tavdagesh N tavdageshhebrew N ssangnieunkorean N ssangpieupkorean N tayhebrew N ssangsioskorean N thar N ssangtikeutkorean N tbopomofo N sterling N tcaron N sterlingmonospace N tccurl N strokelongoverlaycmb N tcedilla N strokeshortoverlaycmb N tcheharabic N subset N tchehfinalarabic N subsetnotequal N tchehinitialarabic N subsetorequal N tchehmedialarabic N succeeds N tchehmeeminitialarabic N suchthat N tcircle

N tcircumflexbelow

N suhiragana

N tcommaaccent	N thalfinalarabic
N tdieresis	N thanthakhatthai
N tdotaccent	N theharabic
N tdotbelow	N thehfinalarabic
N tecyrillic	N thehinitialarabic
N tedescendercyrillic	N thehmedialarabic
N teharabic	N thereexists
N tehfinalarabic	N therefore
N tehhahinitialarabic	N theta
N tehhahisolatedarabic	N thetal
N tehinitialarabic	N thetasymbolgreek
N tehiragana	N thieuthacirclekorean
N tehjeeminitialarabic	N thieuthaparenkorean
N tehjeemisolatedarabic	N thieuthcirclekorean
N tehmarbutaarabic	N thieuthkorean
N tehmarbutafinalarabic	N thieuthparenkorean
N tehmedialarabic	N thirteencircle
N tehmeeminitialarabic	N thirteenparen
N tehmeemisolatedarabic	N thirteenperiod
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	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 threenumeratorbengali N tonetwo N tonos N threeparen N threeperiod N tonsquare N threepersian N topatakthai N threequarters N tortoiseshellbracketleft N threeroman N tortoiseshellbracketleftsmall N threesuperior N tortoiseshellbracketleftvertical N threethai N tortoiseshellbracketright N thzsquare N tortoiseshellbracketrightsmall N tihiragana N tortoiseshellbracketrightvertical N tikatakana N totaothai N tikatakanahalfwidth N tpalatalhook N tikeutacirclekorean N tparen N tikeutaparenkorean N trademark N tikeutcirclekorean N tretroflexhook N tikeutkorean N triaddn N tikeutparenkorean N triaglf N tilde N triagrt N tildehelowcmb N triagup N tildecmb N ts N tildecomb N tsadi N tildedoublecmb N tsadidagesh N tildeoperator N tsadidageshhebrew N tildeoverlaycmb N tsadihebrew N tildeverticalcmb N tsecvrillic N timescircle N tsere N tipehahebrew N tsere12 N tipehalefthebrew N tserele N tsere2b N tippigurmukhi N titlocyrilliccmb N tserehebrew N tiwnarmenian N tserenarrowhebrew N tlinebelow N tserequarterhebrew N tmonospace N tserewidehehrew N tshecyrillic N toarmenian 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 tthagujarati N ubengali N tthagurmukhi N ubopomofo N tturned N ubreve N tuhiragana N ucaron N tukatakana N ucircle N tukatakanahalfwidth N ucircumflex N tusmallhiragana N ucircumflexbelow N tusmallkatakana N ucvrillic N tusmallkatakanahalfwidth N udattadeva N twelvecircle N udhlacute N twelveparen N udblarave N twelveperiod N udeva N twelveroman N udieresis N twentycircle N udieresisacute N udieresisbelow N twentyparen N twentyperiod N udieresiscaron N two N udieresiscyrillic N twoarabic N udieresisgrave N twobengali N udieresismacron N twocircle N udotbelow N twocircleinversesansserif N ugrave N twodeva N ugujarati N twodotenleader N ugurmukhi N twodotleader N uhiragana N twodotleadervertical N uhookabove N twogujarati N uhorn N twogurmukhi N uhornacute N twohackarabic N uhorndotbelow N twohangzhou N uhorngrave N twoideographicparen N uhornhookabove N uhorntilde N twoinferior N twomonospace N uhungarumlaut N twonumeratorbengali N uhungarumlautcyrillic N uinvertedbreve N twoparen N ukatakana N twoperiod N twopersian N ukatakanahalfwidth N ukcyrillic N tworoman N twostroke N ukorean N twosuperior N umacron

N twothai N umacroncyrillic
N twothirds N umacrondieresis
N u N umatragurmukhi
N uacute N umonospace
N ubar N underscore

N underscoredbl N vav N underscoremonospace N vavdagesh N underscorevertical N vavdagesh65 N underscorewayy N vavdageshhebrew N union N vavhebrew N universal N vavholam N uogonek N vavholamhebrew N vavvavhebrew N uparen N upblock N vavyodhebrew N upperdothebrew N vcircle N vdotbelow N upsilon N vecvrillic N upsilondieresis N upsilondieresistonos N veharabic N vehfinalarabic N upsilonlatin N vehinitialarabic N upsilontonos N uptackbelowcmb N vehmedialarabic N uptackmod N vekatakana N uragurmukhi N venus N verticalbar N uring N verticallineabovecmb N ushortcyrillic N usmallhiragana N verticallinebelowcmb N verticallinelowmod N usmallkatakana N usmallkatakanahalfwidth N verticallinemod N ustraightcyrillic N vewarmenian N ustraightstrokecyrillic N vhook N utilde N vikatakana N utildeacute N viramabengali N utildebelow N viramadeva N uubengali N viramagujarati N uudeva N visargabengali N visargadeva N uuqujarati N uugurmukhi N visargagujarati N uumatragurmukhi N vmonospace N uuvowelsignbengali N voarmenian N uuvowelsigndeva N voicediterationhiragana N uuvowelsigngujarati N voicediterationkatakana N uvowelsignbengali N voicedmarkkana N voicedmarkkanahalfwidth N uvowelsigndeva N uvowelsigngujarati N vokatakana Νv N vparen

N v vadeva N vtilde
N vagujarati N vturned
N vagurmukhi N vuhiragana
N vakatakana N vukatakana

Νw N whiterightpointingtriangle N wacute N whitesmallsquare N waekorean N whitesmilingface N wahiragana N whitesquare N wakatakana N whitestar N wakatakanahalfwidth N whitetelephone N wakorean N whitetortoiseshellbracketleft N wasmallhiragana N whitetortoiseshellbracketright N wasmallkatakana N whiteuppointingsmalltriangle N wattosquare N whiteuppointingtriangle N wavedash N wihiragana N wavvunderscorevertical N wikatakana N wawarabic N wikorean N wawfinalarabic N wmonospace N wawhamzaabovearabic N wohiragana N wawhamzaabovefinalarabic N wokatakana N wbsquare N wokatakanahalfwidth N wcircle N won N wcircumflex N wonmonospace N wdieresis N wowaenthai N wdotaccent N wparen N wdotbelow N wring N wehiragana N wsuperior N weierstrass N wturned N wekatakana N wvnn N wekorean Nx N weokorean N xabovecmb N wgrave N xbopomofo N whitebullet 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 Nу N whitedownpointingsmalltriangle N yaadosquare N whitedownpointingtriangle N yabengali N whiteleftpointingsmalltriangle N yacute N whiteleftpointingtriangle N yadeva N whitelenticularbracketleft N yaekorean

N yagujarati

N yagurmukhi

N whitelenticularbracketright

N whiterightpointingsmalltriangle

N yahiragana N viarmenian N yakatakana N yicyrillic N yakatakanahalfwidth N yikorean N vakorean N yinyang N yamakkanthai N yiwnarmenian N yasmallhiragana N ymonospace N vasmallkatakana N yod N yasmallkatakanahalfwidth N yoddagesh N yatcyrillic N yoddageshhebrew N ycircle N yodhebrew N ycircumflex N yodyodhebrew N vdieresis N yodyodpatahhebrew N ydotaccent N yohiragana N ydotbelow N yoikorean N yeharabic N yokatakana N yehbarreearabic N yokatakanahalfwidth N yehbarreefinalarabic N yokorean N yehfinalarabic N yosmallhiragana N yehhamzaabovearabic N yosmallkatakana N yehhamzaabovefinalarabic N yosmallkatakanahalfwidth N yehhamzaaboveinitialarabic N yotgreek N vehhamzaabovemedialarabic N yoyaekorean N yehinitialarabic N yoyakorean N yehmedialarabic N yoyakthai N yehmeeminitialarabic N yoyingthai N yehmeemisolatedarabic N yparen N yehnoonfinalarabic 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 yusbigcyrillic N yesieungsioskorean N yusbigiotifiedcyrillic N yetivhebrew N yuslittlecyrillic N yuslittleiotifiedcyrillic N ygrave N yusmallhiragana N yhook N yhookabove N yusmallkatakana

N vusmallkatakanahalfwidth N zerohackarabic N yuyekorean N zeroinferior N yuyeokorean N zeromonospace N yyabengali N zeropersian N yyadeva N zerosuperior Νz N zerothai N zaarmenian N zerowidthioiner N zacute N zerowidthnonioiner N zadeva N zerowidthspace N zagurmukhi N zeta N zaharabic N zhbopomofo N zahfinalarabic N zhearmenian N zahinitialarabic N zhebrevecyrillic N zahiragana N zhecyrillic N zahmedialarabic N zhedescendercyrillic N zainarabic N zhedieresiscyrillic N zainfinalarabic N zihiragana N zakatakana N zikatakana N zinorhehrew N zagefgadolhebrew N zlinebelow N zagefgatanhebrew N zargahebrew N zmonospace N zavin 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 enhanceid function N zcurl expansions data table N zdot formats data table N zdotaccent N zdotbelow getalternate function getdiscexpansion function N zecyrillic getkern function N zedescendercyrillic function getmultiple N zedieresiscyrillic N zehiragana getsubstitution function table getters N zekatakana N zero T alternate N zeroarabic F opentype N zerobengali T kern N zerodeva F opentype N zerogujarati F type1 N zerogurmukhi T multiple

F opentype		D modes	
T substitution		D originals	
F opentype		D parameters	
goodies	table	T processes	
D colorschemes		D properties	
T data		D quads	
T dejavu-math		D resources	
S author		T setdynamics	
S comment		T shapes	
S copyright		D spaces	
B initialized		D spacings	
T mathematics		D unicodes	
T alternates		D variants	
T dotless		D xheights	
S comment		helpers	table
S feature		F addextraprivate	
N value		F addprivate	
T kerns		F dimenfactor	
S name		F expandglyph	
S version		F fontpatternhassi	ze
D designsizes		F getcoloredglyphs	
D filenames		F getdigitwidth	
F getcompositions		F getparameters	
T list		F getprivatecharor	node
F load		F getprivatenode	
F prepare_features		F getprivates	
F register		F getprivateslot	
F registerpostproc	essor	F hasprivate	
F report		F indextoslot	
T suffixes		F name	
handlers	table	F nametoslot	
hashes	table	F setdigitwidth	
D characters		F splitfontpattern	
D csnames		F tochar	
D descriptions		infofont	function
D dynamics		iterators	table
D emwidths		F characters	
D exheights		F descriptions	
D extensibles		F glyphs	
D features		loggers	table
D identifiers		F add_placeholders	
D italics		D category_to_plac	eholder
D lastmathids		F format	
D marks		F onetimemessage	

F register	F reset	
F reportdefinedfonts	F tounicode	
F reportusedfeatures	F tounicode16	
mappings table	F tounicode16sequ	ience
F addtounicode	metapost	table
F fromunicode16	F boundingbox	
F loadfile	F boxtomp	
F loadline	F draw	
F makenameparser	F fill	
T overloads	F maxbounds	
T IJ	F output	
N mess	F paths	
S name	F widthline	
T unicode	F zeroline	
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 reserveid	function
T unicode	select	table
T f_l	D alternatives	table
N mess S name		
S name T unicode	F bodyfont D data	
T i_j	р data F default	
N mess	D defaults	
S name	F definefallbackf	Family
T unicode	F definefontfamil	
i mircone	r deilheidhrigmli	- у

F definefontfamilypreset	D contextsetups
D extras	F contexttostring
F fallback	F definecontext
D fallbacks	F mergecontext
F features	F presetcontext
F filefallback	F registercontext
F fontdata	F showcontext
F fontfallback	F splitcontext
F fontsynonym	D synonyms
F goodies	D variants
F mathfallback	symbols table
D methods	F uselibrary
D presets	tables table
F registerfallback	D data
F registerfiles	F savefont
F registerfontalternative	F saveoriginal
F registerfontfamily	tracers table
F textfallback	treatments table
F typeface	F applyfixes
F typescript	D data
F userdata	S filename
<pre>setdiscexpansion function</pre>	F ignoredfile
<pre>specifiers table</pre>	F report
D contextmerged	F trace

F contextnumber
D contextnumbers

typefaces

table

functions (context)

dummy function

graphics (context)

backgrounds table

F calculatemultipar

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 define F storecode 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 btxlastofrange F autostarttext F btxlistvariant F autostoptext F btxloaddefinitionfile F averagecharwidth F btxloadiournallist F bitmapimage F btxloadreplacementfile F blockcolumnset F btxoneorrange F boxtostrina F btxpreparelistentries F btxremanauthor F bposcolumn F bposcolumnregistered F btxsavedataset F btxabbreviatedjournal F btxsavejournallist F btxaddentrv F btxsetdataset F btxaddiournal F btxsetentry F btxauthor F btxsetregister F btxauthorfield F btxsetspecification F btxauthortoregister F btxsingularorplural F btxcollectlistentries F btxtoregister F btxcurrentfirstnames F btxusedataset F htxuservariable F btxcurrentinitials F buildtextaccent F btxcurrentjuniors 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 checkedpagefloat F btxdoifelsesameasprevious F checkinjector F btxdoifelseuservariable F checkinterfacechain F btxdoifnot F checktwopassdata F btxexpandedjournal F chemicalcomponent F btxfetchlistentries F chinesenumerals F btxfield F cleanfontname F btxfieldname F cleanupbox F btxfieldtype F cleanuplayers F clonefield F btxfirstofrange F btxflush F collectfloat F btxflushlistcombi F collecthelp F btxflushlistentry F colorcomponents F btxflushmarked F columnsetcurrentcolumn F btxflushpages F columnsetaoto F btxfoundname F columnsetnoto F btxfoundtype F concatcommalist

F btxhandlenocite F convertbtxdatasettoxml

F btxhandlecite

F consultfloat

F converteddimen E definefontfeature F convertmpstopdf F definefontsolution F copyboxfromcache F definehyphenationfeatures F defineinsertion F copyposition F cos F defineintermediatecolor F cosd F definelabels F countervalue F definelanguage F definelinefiller F counttwonassdata F definelinkedlist F currentcomponent F currentdate F definemarking F currentdesignsize F definemetafont F currentenvironment F definemultitonecolorglobal F currentposthyphenchar F definenamespace F currentprehyphenchar F definenote F currentproduct F defineparallel F currentproject F defineparbuilder F currentreferenceorder F defineprocesscolordummy F currentsectiontolist F defineprocesscolorglobal F datasetvariable F defineprocesscolorlocal F dayname F defineprogram F decimals F definereference F decrementcounter F defineregister F decrementedcounter F definerule F decrementsubcounter F definesectionlevels 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 defineconversion F definetwopasslist F definecounter F definetypeface F definedlayoutcomponent F defineviewerlayer F depthnumber F definefallbackfamily F definefield F digits normal F definefieldset F digits_reverse F definefilefallback F directboxfromcache F definefilesynonym F directcopyboxfromcache F definefont one F disableautofontscript F definefont_two F disabledirectives F definefontcolorpalette F disableexperiments F definefontfamily F disablejobsave F definefontfamilypreset F disableparbuilder

F disableregime F doifelsepositionsonsamepage F disablespellchecking F doifelsepositionsonthispage F disablestatetriggering F doifelsepositionsused F disablestream F doifelserangeonpage F disabletrackers F doifelsereference F discardfromlist F doifelserighttoleftinbox F doanalvzeframedbox F doifelsesame F doifelsestackedfloats F doifcommon F doifcounter F doifelsesynonymshown F doifelseblack F doifelsesynonymused F doifelsebuffer F doifelseurldefined F doifelsecharinfont F doifelseutfmathabove F doifelsecommon F doifelseutfmathaccent F doifelsecontinuewithfile F doifelseutfmathbelow F doifelseconverter F doifelseutfmathfiller F doifelsecounter F doifelsevisualizer F doifelsecurrentfonthasfeature F doiffieldsetelse F doifelsedrawingblack F doifinset F doifelsefieldcategory F doifnotcommon F doifelsefiledefined F doifnotcounter F doifelsefileexist F doifnotecontent F doifelsefirstchar F doifnoteonsamepageasprevious F doifelsefontpresent F doifnotinset F doifelseinelement F doifnotsame F doifelseinputfile F doifposition F doifelseinset F doifsame F doifelseintwopassdata F doprocesstypescriptfile F doifelseleapyear F doreshapeframedbox F doifelselisthasentry F dosaveposition F doifelselisthasnumber F dosavepositionplus F doifelselisthaspage F dosavepositionwhd F doifelselisthastitle F dosetposition F doifelselocfile F dosetpositionbox F dosetpositionplus F doifelsemarking F doifelsemessage F dosetpositionstrut F doifelseobject F dosetpositionwhd F doifelseobjectreference F dostarttextfile F doifelseolderversion F dostoptextfile F doifelseoverlapping F elapsedtime F doifelseparallel F enableasciimode F doifelseparentfile F enableautofences F doifelsepathexist F enableautofontscript

F enablebackgroundalign

F enablebackgroundboxes

F doifelseposition

F doifelsepositiononpage

F enablecolor F figure flush registered pages 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 figurefilepath F enableshifts 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 exportformdata F flushcolumnsetareas F flushcolumnsetcolumn F exportreferences F extendregister F flushcolumnsetrest F extensiblecode F flushfloat F fakeword F flushlabeledfloat F featureattribute F flushnotes F featurelist F flushpageinjectionsafter F flushpageinjectionsbefore F feedback F fetchallmarks F flushpostponedblocks F fetchmultipar F flushpostponednotes F fetchmultishape F flushstream F fetchonemark F flushstreamcopy F fetchposboxes F fontchar F fetchtwomarks F fontcharbyindex F figure_check F fontcollectionclone F fontcollectiondefine F figure done F figure dummy F fontcollectionprepare

F fontcollectionregister F getobjectdimensions F fontcollectionreport F getobjectreference F fontcollectionreset F getobjectreferencepage F fontlookupgetkev F getprivatechar F fontlookupgetkeyofindex F getprivateglyphslot F fontlookupinitialize F getprivatemathchar F fontlookupnoffound F getprivateslot F forceendiob F getprogram F forcequitjob F getrandomdimen F formatcolor F getrandomfloat F formatoray F getrandomnumber F from F getrandomseed F frule F getreadfilename F aetbidimode F getsetupstring F getbodyfontsizes F getsomefullstructurenumber F getboxfromcache F getsomestructurenumber F getbuffer F getspecificstructuretitle F getbufferctxlua F getstructurelevel F getbuffermkvi F getstructurenumber F getcheckedinterfaceparameters F getsubstring F getcurrentprefixspec F gettexbuffer F getcurrentreferencemetadata F gettwopassdata F getdefaultfieldvalue F gettwopassdatalist F geturl F getdocumentargument F getdocumentfilename F getvisual F getelementtag F hboxtovbox F getfieldcategory F helpaction F getfile F helpreference F hexstringtonumber F getfirstcharacter F getfirsttwopassdata F horizontalcode F getfloatvariable F hour F getfullstructurenumber F hyphenatedlist F getinternalcachedlistreference F hyphenatedurl F immediatemessage F getinternallistreference F incrementcounter F getlasttwopassdata F getmarking F incrementedcounter F getmathdomain F incrementsubcounter F getmathitalics F initializejob F initializemathdomain F getmessage F getmpextensions F initializemathitalics F getmprandomnumber F initializestream F initializetexdirectives F getnaturaldimensions F initializetextrackers F getnaturalwd

F injectcurrentreference

F getnotestate

F injectcurrentreferencehtdp F locatefilepath F injectreference F locfilename F inlinechemical F lower F inputfilebarename F lpdf adddocumentcolorspace F inputfilename F lpdf adddocumentextgstate F inputfilerealsuffix F lpdf adddocumentpattern F inputfilesuffix F lpdf adddocumentshade F insertattachment F lpdf addtocatalog F insertcomment F lpdf addtoinfo F insertfield F lpdf addtonames F insertionnumber F lpdf addtopageattributes F insertrenderingwindow F lpdf addtopageresources F installedlanguages F lpdf_addtopagesattributes F installtexdirective F lpdf collectedresources F installtextracker F lpdf color F iobfilefullname F luascript F jobfilename F luathread F lxmlid F jobfilesuffix F languagenumber F markcontent F lastcountervalue F markingnumber F lastsubcountervalue F markingtitle F lchexnumber F markiniector F lchexnumbers F markregionbox F markregionboxcorrected F leapyear F linenumbersstageone F markregionboxtagged F linenumbersstagetwo F markvisualfonts F mathfraction F listgroupindex F listlabel F mathrenderset F listlocation F message F listnamespaces F metapostescaped F listprefixednumber F metapostformatted F listprefixedpage F metapostgraphformat F listrealpage F minute F mixcleanup F listsize F mixfinalize F listtitle F listuserdata F mixflushlist F mixflushrest F loadexamodes F loadfontgoodies F mixgetsplit F loadluamodule F mixsetsplit F loadmapfile F mixstate F loadmapline F molecule F loadspellchecklist F month F loadtypescriptfile F monthmnem

F monthname

F loadvisualizer

F mpcolor F overloaderror F mpflushliteral F overloadlowercase F mpflushreset F overloaduppercase F pageofinternal F mpgettext F mpgraphic F pagestaterealpage F mpoptions F parpos F mppopvariables F pdfrotation F mppushvariables F pdfstartmatrix F mprunset F pdfstartmirroring F pdfstartrotation F mpruntab F mprunvar F pdfstartscaling F mpsetclippath F pdfstopmatrix F mpsetoutercolor F pdfstopmirroring F mpsetsxsy F pdfstoprotation F mpsettext F pdfstopscaling F mptexget F percentageof F mptexreset F pqfxcolorspec F mptexset F pickupbuffer F mptexsetfrombuffer F pickupmarkedcontent F namedstructureuservariable F pickuppunctuation F namedstructurevariable F placeparallel F naturalwd F popfloat F pophyphenation F nbfs F negatedcolorcomponent F popitaliccorrection F nextcountervalue F poplist F nextparallel F poppath F nextsubcountervalue F poprandomseed F nofconversions F popreferenceprefix F nofdays F popregime F nofstackedfloats F popsectionblock F notedeltapage F postponenotes F noteinternal F prefixedconverted F notelistindex F prepareMPvariable F noteprefixednumber F preparecolumnsetflush F notetitle F presetmathalternate F ntimes F presetsymbollist F presettabulate F number F numbers F previouscountervalue F octnumber F previoussubcountervalue F octstringtonumber F processbodyfontsizes F operatingsystem F processbuffer F ordinal F processcolorcomponents

previous 119 next

F processedfile

F processedfiles

F outputfilename

F overloadbookmark

F processfile F registerhyphenationexception F processfilemany F registerhyphenationpattern F processfilenone F registeritemgroup F processfileonce F registerlanguagefeatures F processiob F registerlinenumbering F processlist F registermaintextcolor F processregister F registermpyfile F processsplit F registernamedlua F processsynonyms F registernamespace F profilebox F registerobject F purefontname F registerpattern F pushfloat F registerpostponedblock F pushhyphenation F registerreferencedobject F pushitaliccorrection F registerrendering F pushlist F registersection F pushpath F registershownsynonym F pushrandomseed F registerstructureprocessor F pushreferenceprefix F registersynonym F pushregime F registerunit F pushsectionblock F registerusedsynonym F pushstream F registeruserdata F putboxincache F relatemarking F putincolumnset F renderingvar F rawcharacter F replacefeature F rawcountervalue F replacepospxywhd F rawdate F reportstructure F resavefloat F rawsetupstring F rawsubcountervalue F resetboxesincache F resetcharacteralign F referencepagedetail F referencepagestate F resetcolumnset F referencerealpage F resetcounter F registerattachment F reseteffect F registerbackendsymbol F resetfeature F resetfontfeature F registerbodyfontsize F resetfontsolution F registerbookmark F registerbuttons F resetinjector F registercolorintent F resetitaliccorrection F registercolumnsetarea F resetmapfiles F registeredviewerlayer F resetmarking F registerfigurepattern F resetmathattributes F registerfiguresuffix F resetmathitalics F registerfontalternative F resetnullfont F registerfontfamily F resetparallel F registerhelp F resetpath

F resetprevdepth F setcharacteralign F resetreference F setcharactercasing F resetscript F setcharactercleaning F setcharacterkerning F resetshownsynonyms F resetstructureprocessor F setcharacterspacing F resetsubcounter F setcharacterstripping F resettimer F setclosedocumentaction F setclosepageaction F resettrackers F resetusedsynonyms F setcolormodel F restartcounter F setcolumnsetarea F restartsubcounter F setcolumnsetlines F restorecounter F setcolumnsetproperties F restorecurrentattributes F setcolumnsetstart F restorenote F setcounter F restoreobject F setdataset F reuserandomseed F setdestinationattribute F revivefeature F setdigitsmanipulation F romannumerals F setdirection F rounded 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 F savedlisttitle F seteffect F savefloat F setelementuserproperties F savefont F setfieldcalculationset F savemargindata F setfigurelookuporder F savenote F setfigurepaths F savepagedata F setfirstline F setfontfeature F savepageinjections F setfontofid F saveparallel F savespecificfloat F setfontsolution F savestructureblock F setformat F savetaggedtwopassdata F setformsmethod F savetwopassdata F sethsizecolumnset F savevariable F sethsizecolumnspan F second F sethyphenatedurlcharacters F selectstructureblock F sethyphenationfeatures F setactivecatcodes F sethyphenationmethod

F setinitial

F setbreakpoints

F setinitialsectionblock F setrealign F setiniector F setrealspaces F setinnerreferencemethod F setreferencearguments F setinsertionlocation F setreferenceoperation F setinterfaceconstant F setregionbox F setinterfaceelement F setregionboxtagged F setinterfacemessage F setregistermethod F setreplacements F setinterfacemessages F setinterfacevariable F setscript F setinternalreference F setsectionblock F setitaliccorrection F setsectionentry F setiavascriptpreamble F setstructureblockstate F setjobcomment F setstructurelevel F setlanguageexceptions F setstructurenumber F setlanguagesynonym F setsubcounter F setlettercatcodes F settagaspect F setmanfile F settagcombination F setmapline F settagdelimitedsymbol F setmarking F settagfigure F setmathalphabet F settaggedmetadata F setmathalternate F settaghighlight F setmathattribute F settagitem F setmathdirection F settagitemgroup F setmathdomain F settaglist F setmathitalics F settagnotation F setmathstyle F settagnotationsymbol F setmpextensions F settagproperty F setnaturalwd F settagproperty b F setnegative F settagproperty n F setnextinternalreference F settagregister F setnextreferenceorder F settagsorting E setnotestate F settagsubsentencesymbol F setopendocumentaction F settagsynonym F setopenpageaction F settagtablecell F setowncounter F settagtabulatecell F setownsubcounter F setupbookmarks F setpagecolormodel F setupcanvas F setpagestate F setupcharacterspacing F setupexport F setpagestaterealpageno F setpagetransition F setupfontexpansion F setparbuilder F setupfontprotrusion F setpdfcompression F setupidentity F setprofile F setupinsertion

F setupitaliccorrection

F setrandomseed

F setuplinenumbering F starttag F setuserinterface F starttag c F setvalidinterfacekeys F starttag d F setvisual F starttag u F setvisualfont F starttext F setvisuallayer F startviewerlayer F setvisuals F step F setysizecolumnset F stopactualtext F setxmpfile F stopchemical F showassignerror F stopcolorset F showattributes F stopcomponent F showcounter F stopenvironment F showdebuginfo F stopfontsolution F showdirectives F stopparbuilder F showdiscretionaries F stopproduct F showexperiments F stopproject F showhyphenatedinlist F stopregime F showhyphenationtrace F stopsectionlevel F showinjector F stopstream F showjustification F stoptag F showlogcategories F stoptext F showmessage F stopviewerlayer F showtrackers F storejavascriptcode F sin F storejavascriptpreamble F sind F storenote F specifiedfont F storeregister F specifiedfontsize F strdp F specifiedfontspec F strhd F splitfilename F strht F spotcolorname F strip F spotcolorparent F structureautocatcodedget F spotcolorvalue F structurecatcodedget F startactualtext F structuregivencatcodedget F startchemical F structurenumber F startcolorset F structuretitle F startcomponent F structureuservariable F startenvironment F structurevariable F startfontsolution F strwd F startparbuilder F subcountervalue F startproduct F subcountervalues F startproject F subsubcountervalues F startregime F subtractfeature F startsectionlevel F synccolor F startstream F synccolorclone

F synccolorcount F usejavascriptpreamble F synchronizemarking F usejavascriptscripts F synchronizestream F useluafile F synonymmeaning F useluafileonce F synonymname F useluamodule F systemlog F usemodules F tagmfunctionlab F usepath F tagmfunctiontxt F useproduct F tan F useproject F tand F usesubpath F texdefinition one F usesymbols F texdefinition two F usetexfile F textime F usetexfileonce F thefirstcharacter F useurl F themaxboxwidth F usexmlfile F theremainingcharacters F usexmlfileonce F tochar F usezipfile F utfchar F transparencycomponents F utfmathclass F triggerpagebuilder F utfmathcommand F truefilename F truefontname F utfmathcommandabove F utfmathcommandbelow F type F typebuffer F utfmathcommandfiller F typefile F utfmathfiller F uchar F utfmathstretch Fuchexnumber F vboxlisttohbox F uchexnumbers F verbose F undefinechemical F vspacing F unicodechar F vspacingcollapse F unihex F vspacingcollapseonly F unit_normal F vspacingdefine F unit reverse F vspacingsetamount F unloadlanguage F vspacingsnap F upper F way F useMPlibrary F weekday F useanyfile F weekdayname F useanyfileonce F writestatus F usecldfile F x_table_c F x_table_cleanup F usecldfileonce F usecolors F x_table_construct F usecomponent F x_table_create F useenvironment F x_table_finish_row F usefigurebase F x table flush F usefile F x_table_init_construct F x table init reflow height F xmldoifnotemptv 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 xmldoifselfemptv F x table next row F xmldoiftext F x table next row option F xmlelement F x table r F xmlfilter F xmlfilterlist F x table reflow height F x table reflow width F ymlfirst 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 xmlall F xmlflushspacewise F xmlappendsetup F xmlflushtext F xmlapplyselectors F xmlfunction F xmlatt F xmlgetindex F xmlattdef F xmlinclude F xmlattribute F xmlincludeoptions F xmlattributedef F xmlinclusion F xmlbadinclusions F xmlinclusions F xmlbeforesetup F xmlindex F xmlchainatt F xmlinlineverbatim F xmlchainattdef F xmlinstalldirective F xmlchecknamespace F xmllast F xmlcommand F xmllastatt F xmlconcat F xmllastmatch F xmlload F xmlconcatrange F xmlcontext F xmlloadbuffer F xmlcount F xmlloaddata F xmldelete F xmlloaddirectives F xmldirect F xmlloadentities F xmldirectives F xmlmain F xmlmatch F xmldirectivesafter F xmldirectivesbefore F xmlname F xmldisplayverbatim F xmlnamespace F xmldoif F xmlnonspace F xmldoifelse F xmlpath F xmldoifelseemptv F xmlpos F xmldoifelseselfemptv F xmlprependsetup F xmldoifelsetext F xmlpure F xmldoifempty F xmlraw

F xmlrawtex

F xmldoifnot

F xmlrefatt
F xmlregisterns
F xmlremapname
F xmlremapnamespace
F xmlremovesetup

F xmlresetinjectors
F xmlresetsetups

F xmlsave

F xmlsetcommandtonone F xmlsetcommandtotext

F xmlsetentity
F xmlsetinjectors
F xmlsetsetup
F xmlsnippet
F xmlstartraw
F xmlstarttiming

F xmlstopraw
F xmlstoptiming
F xmlstrip

F xmlstripanywhere F xmlstripnolines

F xmlstripped

F xmlstrippednolines
F xmltag

F xmltexentity
F xmltext
F xmltobuffer

F xmltobufferverbose

F xmltofile
F xmltoparameters
F xmlverbatim
F xmlwithindex

F year

setconstant function function setcount setdimen function setelement function setformat function setmacro function function setmessage setmessages function settranslation function data table setupstrings setuserinterface function setvalidkevs function setvariable function showmessage function storedscanners data table strinas table syntax data table function

tolist function
translations data table
usednamespaces data table
variables data table
writestatus function

io (basic lua)

ask	function	output	overloaded function
bytes	function	pathseparator	string
characters	function	popen	overloaded function
close	function	read	function
copydata	function	readall	function
exists	function	readnumber	function
fileseparator	string	readstring	function
flush	function	savedata	function
input	overloaded function	size	function
lines	overloaded function	stderr	userdata
loadchunk	function	stdin	userdata
loaddata	function	stdout	userdata
loadlines	function	tmpfile	function
noflines	function	type	function
open	overloaded function	write	function

job (context)

comment	function	F	find	
datasets	table		first	
D collected			get	
F extend			getcollected	
F getdata			getdata	
F setdata			getfield	
D tobesaved			gettobesaved	
disablesave	function		inlist	
fileobjreferences	table	F	last	
D collected		F	list	
D tobesaved		F	save	
files	table	F	savetagged	
D collected		D	tobesaved	
F context		posi	tions	table
B forcerun		F	b_column	
F run		F	b_region	
D tobesaved		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		F	get	
F set		F	getreserved	
D tobesaved		F	gettobesaved	
pack	boolean	F	hangafter	
packversion	number	F	hangindent	
pagestates	table	F	height	
D collected		F	hsize	
F extend		F	leftskip	
F realpage		F	lowerleft	
F setstate		F	lowerright	
D tobesaved			markregionbox	
passes	table	F		
F check			onsamepage	
D collected			overlapping	
F count		F	p	
F define		F	page	

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 width	F save	
Fx	F setchecksum	
F xy	D tobesaved	
Fy	version	number

register function

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	F registerexception	
associated	data table	F registerpattern	
association	function	F setfeatures	£
counters	data table	installed	function
current	function	labels	table
data	data table	F define	
decimals	data table	F split	
define	function	loadable	function
expand	function	loadwords -	function
expanders	table	logger	table
frequencies	table	F report	
F averagecharwidth		numbers	data table
F getdata		postexhyphenchar	function
getdata	function	posthyphenchar	function
getnumber	function	preexhyphenchar	function
hjcounts	table	prehyphenchar	function
hyphenate	function	registered	data table
hyphenators	table	replacements	table
T dictionaries		F add	
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
B optimize		D characters	
F popmethod		N lefthyphenmin	
F pushmethod		D mapping	
F setmethod		B packslashes	
F setup		N righthyphenmin	
F showhyphenationtrace		F setcharacters	
T traditional		version	number
F definefeatures		visualizediscretionaries	function
F gettrace		words	table
F hyphenate		F check	
F injecthyphens		T data	
F installmethod		F disable	
F lasttrace		F enable	
F loadpatterns		T enablers	

B enables

F load

F found

T methods

N threshold

layouts (context)

status table
 F isleftpage

F leftorrightpageaction

lfs (extra lua)

attributes	overloaded	function
chdir	overloaded	function
currentdir	function	
dir	overloaded	function
isdir	overloaded	function
isfile	overloaded	function
lock	function	
lock_dir	overloaded	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	
touch	overloaded	

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
inherited	table

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

initialize	function
inject	function
lmxfile	function

loadedfile	function
make	function
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	getmatrix	function
addxmpinfo	function	getpos	function
annotationspecification	function	getvpos	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

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	Fs	implify
filter	table	F t	able
F chain		sourc	e table
F cycle		Fc	at
pump	table	Fc	hain
F all		F e	empty
F step		F e	error
sink	table	F f	ile
F chain		Fr	rewind
F error		Fs	implify
F file		Fs	tring
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
registerdumpactions function
registerpageactions function
registerstartactions function

registerstopactions registertempfile starttime function function number

lxml (context)

	£	£1ch	£
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	pos	function
doifelsetext	function	position	function
doifempty	function	pure	function
doifnot	function	raw	function
doifnotempty	function	rawroot	function
doifnottext	function	rawtex	function
doiftext	function	refatt	function
element	function	register	function
elements	function	registerentity	function
entities	data table	removesetup	function
filter	function	resetcdata	function
filterlist	function	resetsetups	function
first	function	resolvedentity	function

root	function	startraw	function
save	function	startunescaped	function
serialize	function	stopraw	function
setaction	function	stopunescaped	function
setcdata	function	store	function
setcommandtonone	function	strip	function
setcommandtotext	function	stripped	function
setsetup	function	tag	function
snippet	function	text	function
sorters	table	tobuffer	function
F add		tofile	function
F compare		toparameters	function
F flush		toverbatim	function
F reset		verbatim	function
F show		withindex	function
F sort		xmltexhandler	data table
splitid	function		

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

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	exor	function
crypt	function	hex	function
dec	function	sum	function
decrypt	function	sumhexa	function

metapost (context)

11	function		£
analyzeplugins checkformat	function function	getstatistics	function function
checktexts	function	gettext	function
	boolean	graphic	
collapse colorinitializer	function	graphic_base_pass	function function
	function	initializescriptrunner	function
comment		instance	table
convert	function	intermediate	table
defaultformat	string	T actions	
defaultinstance	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	F registerfile	
flush	function	maketext	function
flushers	table	metafun	table
T pdf		F interpolate	
F comment		F topath	
F flushfigure		method	number
F startfigure		mptopdf	table
F stopfigure		F convertmpstopdf	
F textfigure		N nofconverted	
flushliteral	function	n	number
flushnormalpath	function	nvformat	function
flushreset	function	optimize	boolean
fonts	table	parse	function
F define		pdfliterals	function
T flusher		pluginactions	function
F flushfigure		popvariable	function
F startfigure		popvariables	function
F stopfigure		process	function
N instances		processplugins	function
F process		processspecial	function
format	function	properties	table
format_number	function	pushvariable	function
format_string	function	pushvariables	function
formatnumber	function	quickanddirty	function
getclippath	function	reducetogray	boolean
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 decode	function function	qp qpwrp	function 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	boolean	function
MakeupWidth	function	dataset	function
NOfColumns	function	datasets	table
NOfPages	function	F load	
NamedColor	function	defaultcolormodel	function
OnOddPage	function	format	function
OnRightPage	function	formatted	function
OuterEdgeDistance	function	get	table
OuterEdgeWidth	function	F boolean	
OuterMarginDistance	function	F number	

F numeric		quadruple	function
F string		quoted	function
<pre>get_outline_text</pre>	function	report	function
graphformat	function	size	function
n	function	tb_dimensions	function
numeric	function	triplet	function
pair	function	tt_dimensions	function
path	function	tt_initialize	function
nrint	function	_	

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 unscript	
F alternates		F variants	
F autofences		process	$ \hbox{function} $
F classes		processnested	$ \hbox{function} $
F collapse		processors	table
F domains		T autofences	
F families		T collapse	
F italics		F mlist_to_hlis	t
F makeup		T relocate	
F relocate		T render	
F render		T resize	
F resize		T unscript	
F showtree		processouter	$ \hbox{function} $
F tags			

node (basic tex)

F has_field

check discretionaries function F has glyph check discretionary function F hpack copy function F insert after copy list function F insert before function count F is char function current attr F is direct dimensions function F is_glyph direct table F is node F check discretionaries F is zero glue F check discretionary F kerning F copy F last node F copy list F lenath F ligaturing F count F current attr F new F dimensions F protect glyph F protect_glyphs F effective glue F end_of_math F protrusion_skippable F find attribute F rangedimensions F remove F first glyph F flush list F set attribute F flush node F set_properties_mode F flush properties table F setboth F sethox F free F get attribute F setchar F get properties table F setdisc F getboth F setfield F setglue F getbox F setleader F getchar F aetdisc F setlink F aetfield F setlist F getfont F setnext F getglue F setprev F getid F setproperty F getleader F setsubtype F getlist F slide F getnext F tail F getprev F todirect F tonode F getproperty F getsubtype F tostring F has attribute F traverse

F traverse_char

F traverse_id		is_node	function
- F unprotect_glyphs		is_zero_glue	function
F unset attribute		kerning	function
– F usedlist		last node	function
F vpack		_ length	function
F write		ligaturing	function
effective glue	function	mlist to hlist	function
end of math	function	new	function
family_font	function	next	function
fields	function	prev	function
find attribute	function	protect glyph	function
first_glyph	function	protect_glyphs	function
flush_list	function	protrusion_skippable	function
flush_node	function	rangedimensions	function
flush_properties_table	function	remove	function
free	function	set_attribute	function
get_attribute	function	set_properties_mode	function
<pre>get_properties_table</pre>	function	setboth	function
getboth	function	setfield	function
getchar	function	setglue	function
getdisc	function	setlink	function
getfield	function	setnext	function
getfont	function	setprev	function
getglue	function	setproperty	function
getid	function	slide	function
getleader	function	subtype	function
getlist	function	subtypes	function
getnext	function	tail	function
getprev	function	tostring	function
getproperty	function	traverse	function
getsubtype	function	traverse_char	function
has_attribute	function	traverse_id	function
has_field	function	type	function
has_glyph	function	types	function
hpack	function	unprotect_glyphs	function
id	function	unset_attribute	function
insert_after	function	usedlist	function
insert_before	function	vpack	function
is_char	function	whatsits	function
is_glyph	function	write	function

nodes (context)

end_of_math

fencecodes

fillcodes

fields

accentcodes	data table	first_glyph	function
aligned	function	firstcharacter	function
append	function	firstcharinbox	function
apply	function	firstdirinbox	function
astable	function	firstglyph	function
basepoints	function	flush	function
boundarycodes	data table	flush_list	function
boxes	table	flush_node	function
F dimensions		free	function
F direct		fullhpack	function
F reset		getbox	function
F restore		getchar	function
F save		getdisc	function
builders	table	getfield	function
F buildpage_filter		getfont	function
F vpack_filter		getglue	function
<pre>check_discretionaries</pre>	function	getid	function
codes	data table	getleader	function
concat	function	getlist	function
сору	function	getnext	function
copy_list	function	getprev	function
copy_node	function	getskip	function
count	function	getsubtype	function
current_attr	function	gluecodes	data table
delete	function	glyphcodes	data table
destinations	table	glyphdir_is_equal	data table
N attribute		glyphdir_is_opposite	data table
T done		glyphdir_is_orthogonal	data table
F handler		handlers	table
T stack		F accessibility	
dimensionfields	data table	F alignbackgrounds	
dimensions	function	F backgrounds	
dir_is_pop	data table	F characters	
dir_negation	data table	F checkforleaks	
disccodes	data table	F checkglyphs	
discretionarycodes	data table	F cleanupbox	
effective_glue	function	F cleanuppage	

F export

F finalize

F migrate

F protectglyphs

function

function

data table

data table

F stripping		leadercodes	data table
F unprotectglyphs		leftmarginwidth	function
has_attribute	function	ligaturing	function
has_field	function	linefillers	table
has_glyph	function	D data	
hpack	function	F define	
idstostring	function	F enable	
ignorablefields	data table	F handler	
injections	table	lines	table
F copy		T boxed	
F getligaindex		F register	
F getthreshold		F setup	
F handler		F stage_one	
F installnewkern		F stage_two	
F isspace		D data	
F keepcounts		F finalize	
F reset		F number	
F resetcounts		N scratchbox	
F setcursive		link	function
F setkern		linked	function
F setligaindex		list	function
F setmark		listablefields	data table
F setpair		listcodes	data table
F setspacekerns		listtoutf	function
insert_after	function	load	function
insert_before	function	locate	function
insert_list_after	function	margincodes	data table
installattributehandler	function	marginkerncodes	data table
is_char	function	markers	table
is_direct	function	F get	
is_display_math	function	mathcodes	data table
is_glyph	function	maxboxwidth	function
is_mirrored	data table	mlist_to_hlist	function
is_node	function	new	function
is_nut	function	noadcodes	data table
is_rotated	data table	noadoptions	table
is_zero_glue	function	N axis	
ischar	function	N exact	
isglyph	function	N left	
kerncodes	data table	N middle	
kerning	function	N no_axis	
keys	table	N right	
T whatsit		N set	
last_node	function	N unused_1	

N unused 2 F getskip nodecodes data table F getsubtype nopts function F has attribute table nuts F has field F append F has glyph F apply F hpack F applyvisuals F insert_after F check discretionaries F insert before F concat F insert list after F is char F copy F copy list F is direct F copy node F is display math F copy_properties F is_glyph F copyvisual F is node F count F is nut F current attr F is_zero_glue F delete F ischar F dimensions F isglyph F effective glue F kerning F end_of_math F last node F first glyph F leftmarginwidth F firstcharacter F ligaturing F firstcharinbox F link F firstqlyph F linked F flush F locate F flush list F mlist to hlist F flush_node F nestedtracedslide F free F new F fullhpack T pool F getattr F baselineskip F getattribute F boundary F getboth F cleanup F getbox F disc F emptyrule F getchar F fontkern F getdisc F getfield F glue F getfont F gluespec F getglue F glyph F getid F hlist F getleader F italickern F getlist F kern F latelua F getnext F lateluafunction F getprev

F getprop

F leftmarginkern

F leftskip F rangedimensions F lineskip F rawprop F negatedglue F reference F rehpack F noad F pdfannotation F remove F pdfdestination F repackhlist F pdfdirectliteral F replace F pdfliteral F rightmarginwidth F pdforiginliteral F set attribute F pdfpageliteral F setattr F setattribute F pdfrawliteral F setattributes F pdfrestore F pdfsave F setboth F pdfsetmatrix F setbox F penalty F setchar F register F setdisc F rightmarginkern F setfield F setglue F rightskip F rule F setleader F shrink F setlink F special F setlist F stretch F setnext F temp F setprev F textdir F setprop F usage F setsubtype F userattributes F setunsetattributes T userids F setvisual N margins.inline F setvisuals F slide N property N splitters.one F somepenalty N splitters.two F somespace Fuserlist F splitbox F userlua F tail F usernumber F takebox F userrule F takelist F userstring F theprop F usertokens F tonode F vlist F tonodes F wordboundary F tonut F zeroglue F tosequence F prepend F tostring F protect_glyph F tracedslide F protect glyphs F traverse

F traverse char

F protrusion_skippable

F traverse_id		F lateluafunction	
T typesetters		F lineskip	
F tohbox		F pdfdirect	
F tohpack		F pdfliteral	
F tonodes		F pdforiginliteral	
F tovbox		F pdfrestore	
F tovpack		F pdfsave	
F unprotect_glyphs		F pdfsetmatrix	
F unset_attribute		F register	
F unsetattribute		F rule	
F unsetattributes		F special	
F untracedslide		F usage	
F usedlist		F usernumber	
F vianodes		F vlist	
F vianuts		prepend	function
F vpack		print	function
F write		processors	table
packlist	function	B enabled	
pardir_is_equal	data table	F hpack_filter	
pardir_is_opposite	data table	F post_linebreak_filter	
pardir_is_parallel	data table	F pre_linebreak_filter	
partextdir_is_equal	data table	F tracer	
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

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

topoints	function	F stop	
toscaledpoints	function	T transparencies	
tosequence	function	F reset	
tostring	function	F set	
totable	function	F setlist	
totree	function	traverse	function
toutf	function	traverse char	function
tracers	table	traverse_id	function
T characters		typesetters	table
F collect		F hbox	
F equal		F hpack	
F start		F tohbox	
F string		F tohpack	
F unicodes		F tonodes	
T colors		F tovbox	
F reset		F tovpack	
F set		F vpack	
F setlist		unprotect_glyphs	function
F fontchar		unset_attribute	function
T frequencies		unsetattribute	function
F register		unsetattributes	function
T pool		usedlist	function
T nodes		usercodes	data table
F rule		vianodes	function
T nuts		vianuts	function
F rule		visualizebox	function
F resetproperties		visualizers	table
F rule		F box	
F setlist		F handler	
F setproperties		F markfonts	
F start		F setfont	
T steppers		F setlayer	
F check		F setvisual	
F codes		vpack	function
F features		whatcodes	data table
F font		whatsitcodes	data table
F glyphs		whatsitters	table
F message		T getters	
F messages		T dimensions	
F nofsteps		T width	
F register		T setters	
F reset		T dimensions	
F start		T width	
		• •	

F stop

write

function

number (context)

	function	tocenti
basepoints	function	tocicer
bit	function	toconte
bits	function	todidot
clearbit	function	todimen
dimenfactors	data table	toevenh
formatted	function	toinche
hasbit	function	tomilli
maxdimen	number	tonewci
nopts	function	tonewdi
percent	function	tonumbe
points	function	tonumbe
pts	function	topicas
setbit	function	topoint
signed	function	toscale
sparseexponent	function	toscale
splitdimen	function	toset
tobasepoints	function	valid
tobitstring	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
platform	string	which	function

package (basic lua)

config	string
cpath	string
extralibpath	function
extralibpaths	function
extraluapath	function
extraluapaths	function
helpers	table
libpaths	function
loaded	table

loaders	table
loadlib	function
luapaths	function
path	string
preload	table
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
getcreationdate	function	obi	function
getdecimaldigits	function	objtype	function
getdestmargin	function	pageref	function
gethpos	function	print	function
getignoreunknownimages	function	refobj	function
getimageresolution	function	registerannot	overloaded function
getinclusionerrorlevel	function	reserveobj	function
getinfo	function	setcatalog	overloaded function
getlastannot	function	setcompresslevel	function
getlastlink	function	setdecimaldigits	function
getlastobj	function	setdestmargin	function
getlinkmargin	function	setfontattributes	function
getmajorversion	function	setignoreunknownimages	function
getmajorversion	function	setimageresolution	function
getminorversion	function	setinclusionerrorlevel	function
getnames	function	setinfo	overloaded function
getobjcompresslevel	function	setlinkmargin	function
getorigin	function	setmajorversion	function
getpageattributes	function	setminorversion	function
getpageresources	function	setnames	overloaded function
getpagesattributes	function	setobjcompresslevel	function
getpkresolution	function	setorigin	function
getpos	function	setpageattributes	overloaded function
getretval	function	setpageresources	overloaded function
getsuppressoptionalinfo		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

D tables

F registerunit

profiler (extra lua)

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)

cleanun	function	nrococc	function
cleanup	TullCtion	process	Tulle CIOII
disable	function	push	function
enable	function	toregime	function
fromregime	function	translate	function
pop	function		

resolvers (context)

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

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

function unexpandedpathlist

function

pushpath

unresolve updaterelations updatescript uselibrary usertypes	function function function function data table	validatedpath variable variableofformat variableofformatorsuffix wildcardpattern	function function function function function
usezipfile	function		

sandbox (context)

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

socket (extra lua)

S comments

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

S range

S received	protect	function
S received-from-mta	select	function
S references	sink	function
S referer	sinkt	table
S remote-mta	F close-	when-done
S reply-to	F defaul	t
S reporting-mta	F http-c	hunked
S resent-bcc	F keep-o	pen
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	Т
S retry-after	S ZONE	
S return-path	F messag	e
S sender	F open	
S server	F send	
S smtp-remote-recipient	source	function
S status	sourcet	table
S subject	F by-len	gth
S te	F defaul	t
S to	F http-c	hunked
S trailer	F until-	
S transfer-encoding	tcp	function
S upgrade	tcp6	function
S user-agent	tp	table
S vary	N TIMEOU	Т
S via	F connec	
S warning	try	function
S will-retry-until	udp	function
S www-authenticate	udp6	function
S x-mailer	url	table
http table	F absolu	te
N PORT	F build	
N TIMEOUT	F build_	path
S USERAGENT	F escape	
F open	F parse	
Frequest	F parse_	
newtry function	F unesca	ре

sorters (context)

basicsorter function
comparers table
 F basic
constants table

Stants table

S defaultdigits

S defaultlanguage

S defaultmethod

N digitsmaximum

N digitsoffset

N ignoredoffset

N replacementoffset

T validmethods
B ch
B mc
B mm
B pc

B pm B uc B zc B zm

definitions data table firstofsplit function packch function packuc function setlanguage sort function splitters table

F utf strip tracers

update

function
data table
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	

noftables	number
register	function
shared	data table
storedfunctions	data table
strip	boolean
tofmodules	number
toftables	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	optionalquoted	function
autosingle	function	quote	function
booleanstring	function	quoted	function
byte	function	rep	function
bytepairs	function	replacenewlines	function
bytes	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
nspaces	table	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		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 checkpagechange
F number		F define
D ordered		F doifonsamepageasprevious
F page		F get
F popnesting		F getdeltapage
F prefix		F getinternal
F prefixednumber		F getn
F prefixedpage		F getstate
F process		F hascontent
D pushed		F internal
F pushnesting		F internalid
F realpage		F listindex
F reordered		F ordered
T result		F postpone

F resetpostponed		D flaginternals
F restore		F from
F save		D functions
F setstate		F get
D states		F getcurrentmetadata
F store		F getcurrentprefixspec
pages	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
references	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 filterdefault		F setnextinternal
D filters		F setnextorder

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	
Finner		F	userdata	
F special		sect	ions	table
F special operation		F	autodepth	
F special operation wit	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		F	getlevel	
T data		F	getnumber	
F define		F	internalreference	
F found		D	levelmap	
F get		D	levels	
F untex		F	load	
D usedinternals		F	matchingtilldepth	
D usedviews		F	numberatdepth	
F valid		F	numbers	
registers	table	F	popblock	
F analyze		F	prefixedconverted	
D collected			pushblock	
F compare			register	
F define		D	registered	
F enhance			reportstructure	
F extend			save	
F filter			sectionblockdata	
F filtercollected			T bodypart	
F finalize			S bookmark	
F findinternal			set	
F flush			setblock	
F get		F	setchecker	

F setentry		tags	table
F setinitialblock		F ele	ementtag
F setlevel		F fin	ishexport
F setnumber		F get	id
F structuredata		F han	dler
F title		D lab	els
D tobesaved		F las	t
F typesetnumber		F las	tinchain
F userdata		F loc	atedtag
B verbose		T pat	terns
sets	table	Us	plitter
F define		D pro	perties
F get		F reg	istermetadata
F getall		F res	tart
D setlist		F set	aspect
specials	table	F set	attributehash
D collected		F set	combination
F retrieve		F set	figure
F store		F set	highlight
D tobesaved		F set	item
synonyms	table	F set	itemgroup
F analyzed		F set	
D collected			notation
F compare		F set	notationsymbol
F define			property
F filter			register
F finalize			sorting
F flush			synonym
Fisshown			tablecell
F isused			tabulatecell
F meaning			tagdelimitedsymbol
F prepare			tagsubsentencesymbol .
F process			upexport
F register			userproperties
F registershown			ecifications
F registerused		F sta	
F resetshown		F sto	
F resetused		Fstr	
F sort		D tag	
F synonym			ewithcare
D tobesaved		Τi	mages

table (basic lua)

allkeys	function	remove	function
append	function	reverse	function
are equal	function	reversed	function
autokey	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
identical	function	strip	function
imerge	function	sub	function
imerged	function	swapped	function
insert	function	tocontext	function
is_empty	function	tocsv	function
keys	function	tofile	function
load	function	tohandle	function
loweredkeys	function	tohash	function
merge	function	toxml	function
merged	function	twowaymapper	function
mirrored	function	unique	function
pack	function	unnest	function
prepend	function	unpack	function
print	function	values	function

tex (basic tex)

attribute	table	gettoks	function
badness	function	getuccode	function
box	table	glue	table
catcode	table	hashtokens	function
conditionals	data table	ifs	data table
constants	data table	inicatcodes	number
count	table	init_rand	function
cprint	function	isattribute	function
ctdcatcodes	number	isbox	function
ctxcatcodes	number	iscount	overloaded function
definefont	function	isdefined	function
delcode	table	isdimen	overloaded function
dimen	table	ismuskip	overloaded function
directives	data table	isskip	overloaded function
enableprimitives	function	istoken	function
error	function	istoks	function
extraprimitives	function	lccode	table
finish	function	linebreak	function
fontidentifier	function	lists	table
fontname	function	lua_math_random	function
fprint	function	lua_math_randomseed	function
get	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
getlccode	function	primitives	function
getlist	function	print	function
getmath	function	prtcatcodes	number
getmathcode	function	resetparagraph	function
getmathcodes	function	romannumeral	function
getmuglue	function	round	function
getmuskip	function	run	function
getnest	function	saveboxresource	function
getsfcode	function	scale	function
getskip	function	scantoks	function

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

texconfig (basic tex)

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

tokens (context)

astable	function	defined	function
bgroup	userdata	egroup	userdata
bits	table	getters	table
N active		F box	
N alignment	t	F count	
N begingrou	ηp	F dimen	
N characte	r	F glue	
N close		F skip	
N comment		F token	
N endgroup		hbox	userdata
N endofline	9	istoken	function
N escape		letter	function
N ignore		letters	function
N invalid		other	function
N letter		pickup	function
N mathshift	t	printlist	function
N open		scanners	table
N other		F boolean	
N paramete	r	F code	
N space		F condition	nal
N subscript	t	F count	
N superscri	ipt	F csname	
N whitespac	ce	F dimen	
collectors	table	F dimensio	n
T data		F glue	
F defaultwo	ords	F integer	
F dowithwo	rds	F keyword	
F flush		F list	
F install		F lxmlid	
F register		F number	
T register	ed	F scanclos	е
F show		F scanoper	
F test		F skip	
compile	function	F string	
constant	function	F token	
converters	table	F tokens	
S toboolear	1	F toks	
S todimen		F word	
S toglue		scantable	function
S tonumber		setters	table
S tostring		F box	

F conditional F count F dimen F count F glue F csname F dimen F macro F skip F dimension shortcuts table F glue T bits F integer N active F kevword F list N alignment N begingroup F lxmlid F number N character F scanclose N close 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 superscript T tokens N whitespace F astable N close U bgroup F inspect T collectors F defaultwords N open F dowithwords F report F scanboolean F flush F scanclose F install F scancode F register F scanconditional F show F scancsname F test F scandimen F compile F scandimension F constant F scaninteger T converters F scankeyword S toboolean F scanlist S todimen T scanners S toglue F boolean S tonumber F code S tostring

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

F inspect

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)

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

F handler F register F keepligature F reset B keeptogether F split D mapping F startapply F set F stopapply manipulators table F stripped F apply F tostrina function F applyspecification showsuspects T methods spacings table F Word F define F Words F handler F abbreviatedjournal D mapping F expandedjournal T numbers F lowercase T frenchpunctuation F stripperiod T characters F uppercase S name T patterns N number U list F reset U pair F set F splitspecification F setup table margins table wrappers F finalhandler F handler table F globalhandler xtables F localhandler F cleanup F save F construct marksuspects function F create table paragraphs F finish_row F addanchortoline F flush F addtoline F initialize construct F calculatedelta F initialize_reflow_height F checkline F initialize_reflow_width F handler F next row F moveinline F reflow height F normalize F reflow width F set F set_construct processors table F set_reflow_height F apply F set_reflow_width

unicode (extra lua)

ascii	table		len
F byte		F	lower
F char		F	match
F dump		F	rep
F find		F	reverse
F form	at	F	sub
F gfin	1		upper
F gmat	ch	utf8	table
F gsub		F	byte
F len		F	char
F lowe	г	F	characters
F matc	1	F	chrlen
F rep		F	count
F reve	rse	F	dump
F sub		F	filetype
F uppe		F	find
grapheme	e table	F	format
F byte		F	gfind
F char		F	gmatch
F dump		F	gsub
F find		F	is_valid
F form	at	F	len
F gfin	d	F	length
F gmat	ch	F	lower
F gsub		F	magic
F len		F	match
F lowe	г	F	remapper
F matc	1	F	rep
F rep		F	replacer
F reve	rse	F	reverse
F sub		F	split
F uppe		F	splitlines
latin1	table	F	sub
F byte		F	subtituter
F char		F	tocodes
F dump			toeight
F find			toentities
F form	at	F	tostring
F gfin	i	F	totable
F gmat	ch	F	upper
F gsub		F	ustring

F utf16_to_utf8_be
F utf16_to_utf8_be_t
F utf16_to_utf8_le
F utf16_to_utf8_le_t
F utf16_to_utf8_t
F utf32_to_utf8_be
F utf32_to_utf8_be_t
F utf32_to_utf8_le
F utf32_to_utf8_le
F utf32_to_utf8_le

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 writecardinal2	
F disable		F writecardinal4	
F enable		F writestring	
F savestats		formatters	table
F showstats		F formatcolumns	
F showtraceback		F list	
files	table	F stripzeros	
F close		garbagecollector	table
F getposition		F check	
F getsize		N criterium	
F look		B enabled	
F open		lua	table
F read2dot14		B alwaysstripcode	
F readbyte		F compile	
F readbytes		F loadedluacode	
F readcardinal		F loadstripped	
F readcardinal1		N nofstrippedbytes	
F readcardinal2		N nofstrippedchunk	5
F readcardinal2le		F registerfinalize	r
F readcardinal3		B stripcode	
F readcardinal3le		T strippedchunks	
F readcardinal4		F strippedloadstri	ng
F readcardinal4le		T suffixes	
F readchar		S lua	
F readfixed4		S luc	
F readinteger		S lui	
F readinteger1		S luj	
F readinteger2		S luv	
F readinteger2le		S tma	
F readinteger3		S tmc	
F readinteger3le		S tua	
F readinteger4		S tuc	
F readinteger4le		packers	table
F readstring		F hashed	
F readtag		F new	
F setposition		F pack	
F size		F simplehashed	
F skip		F strip	
F skiplong		F unpack	
F skipshort		N version	
F writebyte		parsers	table

```
F add settings to array
                                                                  T modern-variable, latin-modern-variable-designsize, la
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 modernvariablelight.modern-variable-light
T hashes
 T settings to set
                                                                    B modern-variable-light
   T max, fit, broad, auto
                                                                    B modernvariablelight
     B auto
                                                                  T serif.sans.mono
     B broad
                                                                    R mono
     B fit
                                                                    B sans
     R 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.woriable,latin-modern-variable,moderned,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
                                                                 U settings_to_array
     B modern
     B modern-base
                                                                 U settings_to_hash_a
   T modern-condensed, latin-modern-condensed-designsize, latin-lmosetrin-ngosndozensheods/modern-light-condensed, latin-modern-light-condensed, latin-modern-light-condensed.
     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, latin-modernFlightings_to_array
     B latin-modern-light
                                                               F settings_to_array_obey_fences
     B latin-modern-light-designsize
                                                               F settings_to_array_with_repeat
     B modern-light
                                                               F settings_to_hash
   T modern-mono.modern-base-mono
                                                               F settings_to_hash_strict
     B modern-base-mono
                                                               F settings to hash tolerant
     B modern-mono
                                                               F settings to numbers
```

F settings_to_set		F setini	tializer
. – –	F simple_hash_to_string F sparse		<u>!</u>
F splitmethod		streams	table
F splitthousands		F close	
F stepper		F getpos	ition
F stripped_setting	s_to_array	F look	
F unittotex		F open	
F unittoxml		F read2d	lot14
report	function	F readby	rte
sequencers	table	F readby	rtes
F appendaction		F readca	rdinal
F appendgroup		F readca	rdinal1
F compile		F readca	rdinal2
F disableaction		F readca	rdinal3
F disablegroup		F readca	rdinal4
F enableaction		F readch	ar
F enablegroup		F readfi	.xed4
D functions		F readin	iteger
F localize		F readin	rteger1
F new		F readin	rteger2
F nodeprocessor		F readin	iteger4
F prependaction		F readst	ring
F prependgroup		F setpos	ition
F removeaction		F size	
F replaceaction		F skip	
F setkind		F skipby	rtes
F tostring		F skiplo	ong
setters	table	F skipsh	ort
F disable		strings	table
F enable		F collap	secrlf
F initialize		T format	ters
F list		F add	
F new		F new	
F register		F newrep	eater
F report		F nice	
F reset		T striplinepatterns	
F show		U coll	apse
stacker	table	U prun	e
F new		U prun	e and collapse
storage	table	U prune and no empty	
F allocate		U retain	
F checked		U retain and collapse	
F mark		U retain and no empty	
F marked		F strip	ines

F striplong F insertbeforevalue F tabtospace F migratetable T tracers F removevalue table tables F replacevalue templates table F accesstable F definedtable F load F definetable F replace F encapsulate F replacer

F resolve

F insertaftervalue

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

F all	F match	
F attribute	F name	
F chainattribute		
F chainpath	F position F reverse	
•	F table	
F command		
F concat	F tag	
F concatrange	F tags	
F context	F text	
F count F ctxtext	F texts	
	F upperall first	function
F default F first	found	function
	functions	table
F function	getbuffer	function
F index	getbandlers	function
Flast	_	function
F lettered	gethandlersfunction	table
Flower	helpers	table
F lowerall	F recursetext include	function
F match	inclusion	function
F name	inclusions	function
F position	index	function
F reverse	inheritedconvert	
F stripped		function
F tag	inject	function
F tags	inject_element	function function
F text	<u>inject_element_after</u> <u>inject_element_before</u>	function
F upper		
F upperall	injectafter injectbefore	function function
T xml	insert	function
F all	insert element	function
Fatt	insert_etement insert element after	function
F attribute	insert_etement_arter insert_element_before	function
F attributes	insertafter	function
F cdata F chainattribute	insertbefore	function
	insertedata	function
F count		function
F default F elements	insertcomment inspect	function
	is_valid	function
F empty F first	kind	function
F function	last	function
F function F index	lastmatch	function
F lndex	load	function
		function
F lowerall	lpath	runction

lpathcached	function	save	function
lpathcalls	function	selection	function
lshow	function	separate	function
makestandalone	function	serialize	function
match	function	setcdata	function
name	function	setcomment	function
newhandlers	function	sethandlersfunction	function
nodesettostring	function	setinjectors	function
originalload	function	setproperty	function
package	function	settings	function
parent	function	specialcodes	table
parsedentitylpeg	userdata	S "	
pihandlers	table	S #	
F injector		S \$	
F tex		S %	
placeholders	table	S &	
F unknown_any_entity		S '	
F unknown_dec_entity		S <	
F unknown_hex_entity		S >	
position	function	S \	
privatecodes	table	S {	
privatetoken	function	S	
process	function	S }	
<pre>process_attributes</pre>	function	S ~	
<pre>process_elements</pre>	function	specialhandler	table
processattributes	function	sprint	function
profiled	table	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	textonly	function
remapname	function	texttocdata	function
remapnamespace	function	tocdata	function
remaptag	function	toelement	function
renamespace	function	tostring	function
reparsedentitylpeg	userdata	totable	function
replace	function	toxml	function
replace_element	function	tprint	function
resetinjectors	function	traverse	function
resolvens	function	unescaped	function
root	function	unescapedentitylpeg	userdata

unprivatized	function	withelements	function
unspecialized	function	wrap	function
withelement	function	xmlns	table

zip (extra lua)

archivestableopenarchivefunctionclosefunctionopenfilefunctionclosearchivefunctionregisteredfilestableopenoverloaded functiontypefunction

zlib (extra lua)

adler32 function
compress function
compressobj function
crc32 function

decompress function
decompressobj function
version function