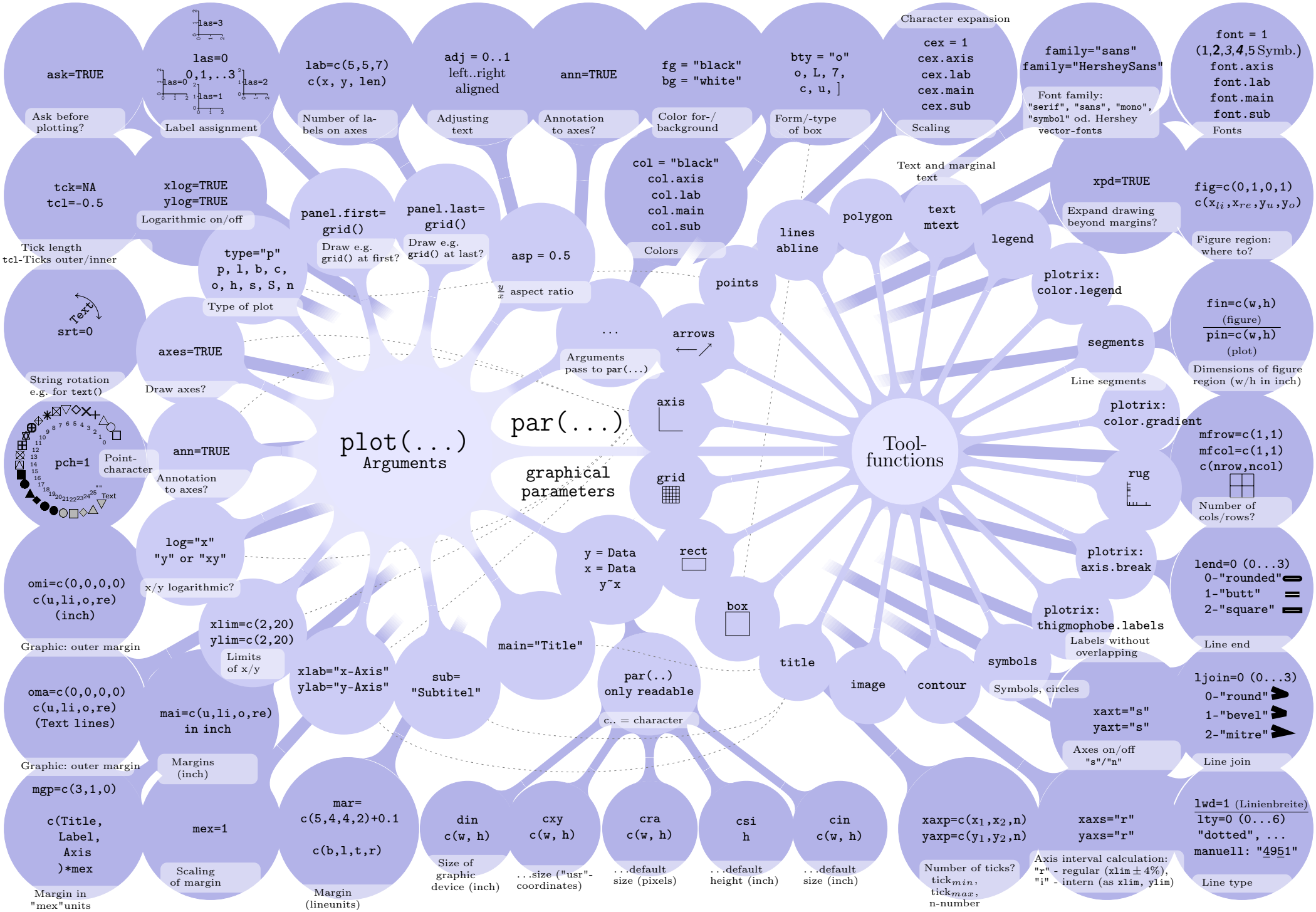
plot(...)
Arguments
par(...)
graphical parameters
Tool-functions
ask=TRUE
Ask before plotting?
las=0
0,1,..3
las=3
las=0
las=1
las=2
Label assignment
lab=c(5,5,7)
c(x, y, len)
Number of labels on axes
adj = 0..1
left..right aligned
Adjusting text
ann=TRUE
Annotation to axes?
fg = "black"
bg = "white"
Color for-/background
bty = "o"
o, L, 7, c, u,]
Form/-type of box
Character expansion
cex = 1
cex.axis
cex.lab
cex.main
cex.sub
Scaling
family="sans"
family="HersheySans"
Font family:
"serif", "sans", "mono", "symbol" od. Hershey vector-fonts
font = 1
(1,2,3,4,5 Symb.)
font.axis
font.lab
font.main
font.sub
Fonts
tck=NA
tcl=-0.5
Tick length
tcl-Ticks outer/inner
xlog=TRUE
ylog=TRUE
Logarithmic on/off
panel.first=
grid()
Draw e.g. grid() at first?
panel.last=
grid()
Draw e.g. grid() at last?
asp = 0.5
y/x aspect ratio
col = "black"
col.axis
col.lab
col.main
col.sub
Colors
lines
abline
polygon
Text and marginal text
text
mtext
legend
xpd=TRUE
Expand drawing beyond margins?
fig=c(0,1,0,1)
c(x_li,x_re,y_u,y_o)
Figure region: where to?
type="p"
p, l, b, c, o, h, s, S, n
Type of plot
points
plotrix:
color.legend
srt=0
Text
String rotation e.g. for text()
axes=TRUE
Draw axes?
...
Arguments pass to par(...)
arrows
segments
Line segments
fin=c(w,h)
(figure)
pin=c(w,h)
(plot)
Dimensions of figure region (w/h in inch)
axis
plotrix:
color.gradient
pch=1
Point-character
ann=TRUE
Annotation to axes?
grid
rug
mfrow=c(1,1)
mfcol=c(1,1)
c(nrow,ncol)
Number of cols/rows?
log="x"
"y" or "xy"
x/y logarithmic?
y = Data
x = Data
y~x
rect
plotrix:
axis.break
omi=c(0,0,0,0)
c(u,li,o,re)
(inch)
Graphic: outer margin
box
plotrix:
thigmophobe.labels
Labels without overlapping
lend=0 (0...3)
0-"rounded"
1-"butt"
2-"square"
Line end
xlim=c(2,20)
ylim=c(2,20)
Limits of x/y
main="Title"
title
symbols
Symbols, circles
oma=c(0,0,0,0)
c(u,li,o,re)
(Text lines)
Graphic: outer margin
xlab="x-Axis"
ylab="y-Axis"
sub=
"Subtitel"
par(..)
only readable
c.. = character
image
contour
xaxt="s"
yaxt="s"
Axes on/off
"s"/"n"
ljoin=0 (0...3)
0-"round"
1-"bevel"
2-"mitre"
Line join
mai=c(u,li,o,re)
in inch
Margins (inch)
mgp=c(3,1,0)
c(Title,
Label,
Axis
)*mex
Margin in "mex"units
mex=1
Scaling of margin
mar=
c(5,4,4,2)+0.1
c(b,l,t,r)
Margin (lineunits)
din
c(w, h)
Size of graphic device (inch)
cxy
c(w, h)
...size ("usr"-coordinates)
cra
c(w, h)
...default size (pixels)
csi
h
...default height (inch)
cin
c(w, h)
...default size (inch)
xaxp=c(x1,x2,n)
yaxp=c(y1,y2,n)
Number of ticks?
tick_min,
tick_max,
n-number
xaxs="r"
yaxs="r"
Axis interval calculation:
"r" - regular (xlim ± 4%),
"i" - intern (as xlim, ylim)
lwd=1 (Linienbreite)
lty=0 (0...6)
"dotted", ...
manuell: "4951"
Line type