

AIDA Notes

User Guide

[AIDA Users Guide](#)

Style Parameters

source: freehep-jaida/src/main/java/hep/aida/ref/plotter/PlotterRegion.java

Parameter	Description	Parameter Location	Affects	Values
xAxisLowerLimit		PlotterStyle	x axis	
lowerLimit	axis lower limit	PlotterStyle.xAxisStyle or yAxisStyle	axis	
xAxisUpperLimit		PlotterStyle	x axis	
upperLimit	axis upper limit	PlotterStyle.xAxisStyle or yAxisStyle	axis	
yAxisLowerLimit		PlotterStyle	y axis	
yAxisUpperLimit		PlotterStyle	y axis	
xAxisLabel		PlotterStyle	x axis	
yAxisLabel		PlotterStyle	y axis	
errorBarDecorati on		PlotterStyle.errorBarStyle()	error bars	float
allowZeroSuppre ssion		PlotterStyle.xAxisStyle() or Plotter. yAxisStyle()	x axis	boolean
showAsScatterPl ot		PlotterStyle	Histogram2D	
showZeroHeight Bins		PlotterStyle.dataStyle().fillStyle()	Histogram2D	
hist2DStyle		PlotterStyle	Histogram2D	box ellipse colorMap
colorMapScheme		PlotterStyle.dataStyle().fillStyle()	Histogram2D (when displayed as color map)	warm or 0 cool or 1 thermal or 2 rainbow or 3 grayscale or 4 userdefined or 5
lineType		lineStyle()		solid or 0 dotted or 1 dashed or 2 dotdash or 3

markerShape		markerStyle()		dot or 0 box or 1 triangle or 2 star or 4 verticalLine or 5 horizontalLine or 6 cross or 7 circle or 8 square or 9
markerShape (scatter)		markerStyle()		box or 1 triangle or 2 star or 4 verticalLine or 5 horizontalLine or 6 cross or 7 square or 9
globalIndex	style global index	PlotterStyle		
customOverlay				
timeZone	time zone for date plots	PlotterStyle.dataStyle()		valid time zone string
profileErrors	display error on the mean or spread		IProfile	errorOnMean or 1 spread or 0
normalization		PlotterStyle.dataStyle()		none entries maxbin area
dataAreaBorderType		PlotterStyle.dataBoxStyle().borderStyle().borderType()		bevelIn or 0 bevelOut or 1 etched or 2 line or 3 shadow or 4
labelVertical	make X axis label vertical instead of horizontal	PlotterStyle.xAxisStyle() or Plotter.yAxisStyle()		boolean
log	log scaling (apparently parameter only has to start with "log")	PlotterStyle.xAxisStyle() or Plotter.yAxisStyle()		
yAxis	puts yAxis on right (default is left)			Y1

Plot and Fitting Options

options format:

a=b;c=d

a="some string option value"

someBooleanOption <= means set option to true

Parameter	Description	Affects	Values
autoconvert	whether to autoconvert from cloud to histogram	Cloud	boolean
range	range for function fit	fitting	examples (,-9) (-1.,0.) (2.,3.) (5,)
noClone	whether function is cloned ???)	fitting	boolean
annotation	see hep.aida.ref.histogram.AbstractBaseHistogram	BaseHistogram	
margin	???	Cloud	
type	basic type of histogram	Histogram1D	default efficiency
useOutflowsInStatistics	???	Histogram1D Histogram2D Histogram3D	boolean
OverlayIndex			int
mode	overlay mode		replace overlay add stack
length		TupleColumn	int
maxlength		TupleColumn	int
calculatestatistics		TupleColumn	int
compress		file writing	zip yes true
binary		file writing	boolean
skip	???	file writing	boolean

Notes

"By default the histogram's fill color, the contour of the histogram bar and the line between the points are taken from the line color. If the fill color is set and the histogram's bars are filled, the different color is used. Same for the line between the points."