PyGrace Cheatsheet

This sheet is intended to be used to quickly look up attribute and method names. For a complete reference, including descriptions of methods, see the *PyGrace Reference Manual.*

Global
`PyGrace.base.py`

(Shared by all objects)

Attributes

root	Grace

Methods

- add_color
- children
- configure
- configure_group
- copy_format
- scale_suffix
- set_colors
- set_data_linewidths
- set_fonts
- set_linewidths
- set_suffix
- write_cheatsheet

AnnotatedValue
`PyGrace.dataset.py`

Attributes

append	str
char_size	float
color	int
font	int
format	str
offset	tuple
onoff	str
parent	DataSet
prec	int
prepend	str
rot	int
type	int

Axis
`PyGrace.axis.py`

Attributes

alt	str
bar	AxisBar
invert	str
label	AxisLabel
offset	tuple
onoff	str
orientation	str
parent	Graph
scale	str
tick	Tick
ticklabel	TickLabel
type_zero	str

Methods

- auto_precision
- set_format
- set_lin
- set_log
- set_scale

AxisBar
`PyGrace.axis.py`

Attributes

color	int
linestyle	int
linewidth	int
onoff	str
parent	Axis

AxisLabel
`PyGrace.axis.py`

Attributes

char_size	float
color	int
font	int
layout	str
parent	Axis
place	str
place_loc	str
place_tup	tuple
text	str

Baseline
`PyGrace.dataset.py`

Attributes

onoff	str
parent	DataSet
type	int

DataSet
`PyGrace.dataset.py`

Attributes

avalue	AnnotatedValue
baseline	Baseline
comment	str
data	list
dropline	str
errorbar	ErrorBar
fill	Fill
hidden	str
index	int
legend	str
line	Line
parent	Graph
symbol	Symbol
type	str

Methods

- data_bounds
- limits
- smallest_positive

DrawBox
`PyGrace.drawing_objects.py`

Attributes

color	int
fill_color	int
fill_pattern	int
linestyle	int
linewidth	float
loctype	str
lowleft	tuple
onoff	str
parent	Graph
upright	tuple

Methods

- limits
- smallest_positive

DrawEllipse
`PyGrace.drawing_objects.py`

Attributes

color	int
fill_color	int
fill_pattern	int
linestyle	int
linewidth	float
loctype	str
lowleft	tuple
onoff	str
parent	Graph
upright	tuple

Methods

- limits
- smallest_positive

DrawLine
`PyGrace.drawing_objects.py`

Attributes

arrow	int
arrow_layout	tuple
arrow_length	int
arrow_type	int
color	int
end	tuple
linestyle	int
linewidth	float
loctype	str
onoff	str
parent	Graph
start	tuple

Methods

- limits
- smallest_positive

DrawText
`PyGrace.drawing_objects.py`

Attributes

char_size	float
color	int
font	int
just	int
loctype	str
onoff	str
parent	Graph
rot	int
text	str
x	int
y	int

Methods

- limits
- smallest_positive

ErrorBar
`PyGrace.dataset.py`

Attributes

color	int
linestyle	int
linewidth	float
onoff	str
parent	DataSet
pattern	int
place	str
riser_clip	str
riser_clip_length	float
riser_linestyle	int
riser_linewidth	float
size	float

Fill
`PyGrace.dataset.py`

Attributes

color	int
parent	DataSet
pattern	int
rule	int
type	int

Frame
`PyGrace.graph.py`

Attributes

background_color	int
background_pattern	int
color	int
linestyle	int
linewidth	float
parent	Graph
pattern	int
type	int

Grace
`PyGrace.grace.py`

Attributes

background_color	int
background_fill	str
colors	DefaultColorScheme
drawing_objects	list
fonts	FontSet
graphs	list
height	int
max_canvas_height	float
max_canvas_width	float
parent	NoneType
timestamp	Timestamp
verbose	bool
version	str
width	int

Methods

- add_drawing_object
- add_graph
- autoformat
- autoscale
- autoscale_same
- autoscalex_same
- autoscaley_same
- autotick
- clone_graph
- get_canvas_dimensions
- get_eps_frame_coords
- get_graph
- set_landscape
- set_portrait
- set_world_same
- write_agr
- write_file

Graph
`PyGrace.graph.py`

Attributes

altxaxis	Axis
altyaxis	Axis
bar_hgap	float
datasets	list
drawing_objects	list
frame	Frame
hidden	str

index	int
legend	Legend
onoff	str
parent	Grace
stacked	str
subtitle	Subtitle
title	Title
type	str
view	View
world	World
xaxis	Axis
yaxis	Axis

Methods

add_dataset
add_drawing_object
alldata
autoformat
autoscale
autoscale_old
autoscalex
autoscaley
autotick
autotickx
autoticky
calculate_sizes
calculate_ticks
data_limits
data_smallest_positive
drawing_object_limits
drawing_object_smallest_positive
format_for_print
get_dataset
get_view
get_world
half_open
limits
linx
linxy
liny
logx
logxy
logy
move_dataset_backward
move_dataset_forward
move_dataset_to_back
move_dataset_to_front
remove_extraworld_drawing_objects
set_dataset_order
set_different_colors
set_different_linestyles
set_different_linewidths
set_different_symbols
set_labels

set_view
set_world
set_world_to_limits
smallest_positive

Legend `PyGrace.graph.py`

Attributes

box_color	int
box_fill_color	int
box_fill_pattern	int
box_linestyle	int
box_linewidth	float
box_pattern	int
char_size	float
color	int
font	int
hgap	int
invert	str
length	int
loc	tuple
loctype	str
onoff	str
parent	Graph
vgap	int

Line `PyGrace.dataset.py`

Attributes

color	int
linestyle	int
linewidth	float
parent	DataSet
pattern	int
type	int

Subtitle `PyGrace.graph.py`

Attributes

color	int
font	int
parent	Graph
size	float
text	str

Symbol `PyGrace.dataset.py`

Attributes

char	int
char_font	int
color	int
fill_color	int

fill_pattern	int
linestyle	int
linewidth	float
parent	DataSet
pattern	int
shape	int
size	float
skip	int

Tick `PyGrace.axis.py`

Attributes

default	int
inout	str
major	float
major_color	int
major_grid	str
major_linestyle	int
major_linewidth	float
major_size	float
minor_color	int
minor_grid	str
minor_linestyle	int
minor_linewidth	float
minor_size	float
minor_ticks	int
onoff	str
parent	Axis
place	str
place_rounded	str
spec_labeldefault	str
spec_ticklabels	tuple
spec_ticks	tuple
spec_ticktypes	tuple
spec_type	str
spec_typedefault	str

Methods

set_spec_ticks

TickLabel `PyGrace.axis.py`

Attributes

angle	int
append	str
char_size	float
color	int
font	int
format	str
formula	str
offset_loc	str
offset_tup	tuple
onoff	str

parent	Axis
place	str
prec	int
prepend	str
skip	int
stagger	int
start	float
start_type	str
stop	float
stop_type	str

Timestamp `PyGrace.grace.py`

Attributes

char_size	float
color	int
font	int
onoff	str
parent	Grace
rot	int
x	float
y	float

Title `PyGrace.graph.py`

Attributes

color	int
font	int
parent	Graph
size	float
text	str

View `PyGrace.graph.py`

Attributes

parent	Graph
xmax	float
xmin	float
ymax	float
ymin	float

World `PyGrace.graph.py`

Attributes

parent	Graph
stack_world	tuple
xmax	int
xmin	int
ymax	int
ymin	int
znorm	int