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

(Shared by all objects)

Attributes

    defaultAttributes (dict)
    root (Grace)

Methods

    add_color
    children
    configure
    configure_group
    copy_format
    scale_suffix
    set_colors
    set_data_linewidths
    set_fonts
    set_linewidths
    set_suffix

AnnotatedValue

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

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

Attributes

    color (int)
    linestyle (int)
    linewidth (int)
    onoff (str)
    parent (Axis)

AxisLabel

Attributes

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

Baseline

Attributes

    onoff (str)
    parent (DataSet)
    type (int)

DataSet

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

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

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

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

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

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

Attributes

    color (int)
    parent (DataSet)
    pattern (int)
    rule (int)
    type (int)

Frame

Attributes

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

Grace

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
    clone_graph
    get_canvas_dimensions
    get_eps_frame_coords
    get_graph
    reference_tex
    set_landscape
    set_portrait
    set_world_same
    write_agr
    write_file

Graph

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

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

Attributes

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

Subtitle

Attributes

color (int)
font (int)
parent (Graph)
size (float)
text (str)

Symbol

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

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

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

Attributes

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

Title

Attributes

color (int)
font (int)
parent (Graph)
size (float)
text (str)

View

Attributes

parent (Graph)
xmax (float)
xmin (float)
ymax (float)
ymin (float)

World

Attributes

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