markers

matplotlib.markers

This module contains functions to handle markers. Used by both the marker functionality of `plot` and `scatter`.

All possible markers are defined here:

marker	description
"."	point
","	pixel
"o"	circle
"v"	triangle_down
"^"	triangle_up
"<"	triangle_left
">"	triangle_right
"1"	tri_down
"2"	tri_up
"3"	tri_left
"4"	tri_right
"8"	octagon
"s"	square
"p"	pentagon
"P"	plus (filled)
"*"	star
"h"	hexagon1
"H"	hexagon2
"+"	plus
"x"	x
"X"	x (filled)
"D"	diamond

marker	description
`"d"`	thin_diamond
`"|"`	vline
`"_"`	hline
TICKLEFT	tickleft
TICKRIGHT	tickright
TICKUP	tickup
TICKDOWN	tickdown
CARETLEFT	caretleft (centered at tip)
CARETRIGHT	caretright (centered at tip)
CARETUP	caretup (centered at tip)
CARETDOWN	caretdown (centered at tip)
CARETLEFTBASE	caretleft (centered at base)
CARETRIGHTBASE	caretright (centered at base)
CARETUPBASE	caretup (centered at base)
`"None"`, `" "` or `""`	nothing
`'$...$'`	render the string using mathtext.
`verts`	a list of (x, y) pairs used for Path vertices. The center of the marker is located at (0,0) and the size is normalized.
path	a `Path` instance.

marker	description
(`numsides`, `style`, `angle`)	The marker can also be a tuple (`numsides`, `style`, `angle`), which will create a custom, regular symbol. `numsides`: the number of sides `style`: the style of the regular symbol: 0 a regular polygon 1 a star-like symbol 2 an asterisk 3 a circle (`numsides` and `angle` is ignored) `angle`: the angle of rotation of the symbol

For backward compatibility, the form (`verts`, 0) is also accepted, but it is equivalent to just `verts` for giving a raw set of vertices that define the shape.

`None` is the default which means 'nothing', however this table is referred to from other docs for the valid inputs from marker inputs and in those cases `None` still means 'default'.

class `matplotlib.markers.`MarkerStyle(*marker=None*, *fillstyle=None*)

Bases: `object`

Parameters:

marker : string or array_like, optional, default: None

See the descriptions of possible markers in the module docstring.

fillstyle : string, optional, default: 'full'

	'full', 'left", 'right', 'bottom', 'top', 'none'

Attributes

markers	(list of known markes)
fillstyles	(list of known fillstyles)
filled_markers	(list of known filled markers.)

```
filled_markers = ('o', 'v', '^', '<', '>', '8', 's', 'p', '*', 'h', 'H', 'D', 'd', 'P', 'X')
```

```
fillstyles = ('full', 'left', 'right', 'bottom', 'top', 'none')
```

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get_alt_path()

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get_alt_transform()

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get_capstyle()

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get_fillstyle()

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get_joinstyle()

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get_marker()

---

get_path()

---

get_snap_threshold()

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get_transform()

is_filled()

markers = {'.': 'point', ',': 'pixel', 'o': 'circle', 'v': 'triangle_down', '^': 'triangle_up', '<': 'triangle_left', '>': 'triangle_right', '1': 'tri_down', '2': 'tri_up', '3': 'tri_left', '4': 'tri_right', '8': 'octagon', 's': 'square', 'p': 'pentagon', '*': 'star', 'h': 'hexagon1', 'H': 'hexagon2', '+': 'plus', 'x': 'x', 'D': 'diamond', 'd': 'thin_diamond', '|': 'vline', '_': 'hline', 'P': 'plus_filled', 'X': 'x_filled', 0: 'tickleft', 1: 'tickright', 2: 'tickup', 3: 'tickdown', 4: 'caretleft', 5: 'caretright', 6: 'caretup', 7: 'caretdown', 8: 'caretleftbase', 9: 'caretrightbase', 10: 'caretupbase', 11: 'caretdownbase', 'None': 'nothing', None: 'nothing', ' ': 'nothing', '': 'nothing'}

set_fillstyle(*fillstyle*)

Sets fillstyle

Parameters: **fillstyle** : string amongst known fillstyles

set_marker(*marker*)