Syntax

The following affects how a line appears:

<table>
<thead>
<tr>
<th>Option</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>linestyle</td>
<td>overall style</td>
</tr>
<tr>
<td>linepatternstyle</td>
<td>whether solid, dashed, etc.</td>
</tr>
<tr>
<td>linewidthstyle</td>
<td>its thickness</td>
</tr>
<tr>
<td>colorstyle</td>
<td>its color</td>
</tr>
</tbody>
</table>


Description

Lines occur in many contexts—in borders, axes, the ticks on axes, the outline around symbols, the connecting of points in a plot, and more. linestyle, linepatternstyle, linewidthstyle, and colorstyle define the look of the line.

Remarks and examples

Remarks are presented under the following headings:

- linestyle
- linepatternstyle
- linewidthstyle
- colorstyle

linestyle, linepatternstyle, linewidthstyle, and colorstyle are specified inside options that control how the line is to appear. Regardless of the object, these options usually have the same names:

- lstyle(linestyle)
- lpattern(linepatternstyle)
- lwidth(linepatternstyle)
- lcolor(colorstyle)

Though for a few objects, such as markers, the form of the names is

- (object)lstyle(linestyle)
- (object)lpattern(linepatternstyle)
- (object)lwidth(linepatternstyle)
- (object)lcolor(linecolorstyle)
For instance,

- The options to specify how the lines connecting points in a plot are to appear are specified by the options `lstyle()`, `lpattern()`, `lwidth()`, and `lcolor()`; see [G-3] `connect_options`.
- The suboptions to specify how the border around a textbox, such as a title, are to appear are named `lstyle()`, `lpattern()`, `lwidth()`, and `lcolor()`; see [G-3] `textbox_options`.
- The options to specify how the outline around markers is to appear are specified by the options `mlstyle()`, `mlpattern()`, `mlwidth()`, and `mlcolor()`; see [G-3] `marker_options`.

Wherever these options arise, they always come in a group of four, and the four pieces have the same meaning.

**linestyle**

`linestyle` is specified inside the `lstyle()` option or sometimes inside the `(object)` `lstyle()` option. `linestyle` specifies the overall style of the line: its pattern (solid, dashed, etc.), thickness, and color.

You need not specify the `lstyle()` option just because there is something you want to change about the look of the line and, in fact, most of the time you do not. You specify `lstyle()` when another style exists that is exactly what you desire or when another style would allow you to specify fewer changes to obtain what you want.

See [G-4] `linestyle` for the list of what may be specified inside the `lstyle()` option.

**linepatternstyle**

`linepatternstyle` is specified inside the `lpattern()` or `(object)` `lpattern()` option. `linepatternstyle` specifies whether the line is solid, dashed, etc.

See [G-4] `linepatternstyle` for the list of what may be specified inside the `lpattern()` option.

**linewidthstyle**

`linewidthstyle` is specified inside the `lwidth()` or `(object)` `lwidth()` option. `linewidthstyle` specifies the thickness of the line.

See [G-4] `linewidthstyle` for the list of what may be specified inside the `lwidth()` option.

**colorstyle**

`colorstyle` is specified inside the `lcolor()` or `(object)` `lcolor()` option. `colorstyle` specifies the color of the line.

See [G-4] `colorstyle` for the list of what may be specified inside the `lcolor()` option.
Also see

[G-3] `connect_options` — Options for connecting points with lines

[G-4] `colorstyle` — Choices for color

[G-4] `linepatternstyle` — Choices for whether lines are solid, dashed, etc.

[G-4] `linestyle` — Choices for overall look of lines

[G-4] `linewidthstyle` — Choices for thickness of lines