

*line\_options* — Options for determining the look of lines

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## Description

The *line\_options* determine the look of a line in some contexts.

## Syntax

<i>line_options</i>	Description
<code>lpattern(<i>linepatternstyle</i>)</code>	whether line solid, dashed, etc.
<code>lwidth(<i>linewidthstyle</i>)</code>	thickness of line
<code>lcolor(<i>colorstyle</i>)</code>	color and opacity of line
<code>lalign(<i>linealignmentstyle</i>)</code>	line alignment (inside, outside, center)
<code>lstyle(<i>linestyle</i>)</code>	overall style of line
<code>pstyle(<i>pstyle</i>)</code>	overall plot style, including linestyle

All options are *rightmost*; see [G-4] **Concept: repeated options**.

## Options

`lpattern(linepatternstyle)` specifies whether the line is solid, dashed, etc. See [G-4] *linepatternstyle* for a list of available patterns. `lpattern()` is not allowed with `graph pie`; see [G-2] `graph pie`. When `lpattern()` is specified, the line alignment is always `center`; thus, `lalign()` is ignored.

`lwidth(linewidthstyle)` specifies the thickness of the line. See [G-4] *linewidthstyle* for a list of available thicknesses.

`lcolor(colorstyle)` specifies the color and opacity of the line. See [G-4] *colorstyle* for a list of available colors.

`lalign(linealignmentstyle)` specifies whether the line is drawn inside, is drawn outside, or is centered on the outline of markers, fill areas, bars, and boxes. See [G-4] *linealignmentstyle* for a list of alignment choices.

`lstyle(linestyle)` specifies the overall style of the line: its pattern, thickness, color, and alignment.

You need not specify `lstyle()` just because there is something you want to change about the look of the line. The other *line\_options* will allow you to make changes. You specify `lstyle()` when another style exists that is exactly what you desire or when another style would allow you to specify fewer changes.

See [G-4] *linestyle* for a list of available line styles.

`pstyle(pstyle)` specifies the overall style of the plot, including not only the *linestyle*, but also all other settings for the look of the plot. Only the *linestyle* affects the look of lines. See [G-4] *pstyle* for a list of available plot styles.

## Remarks and examples

Lines occur in many contexts and, in some of those contexts, the above options are used to determine the look of the line. For instance, the `lcolor()` option in

```
. graph line y x, lcolor(red)
```

causes the line through the  $(y, x)$  point to be drawn in red.

The same option in the following

```
. graph line y x, title("My line", box lcolor(red))
```

causes the outline drawn around the title's box to be drawn in red. In the second command, the option `lcolor(red)` was a suboption to the `title()` option.

## Also see

[G-4] **Concept: lines** — Using lines

[G-2] **graph dot** — Dot charts (summary statistics)