line_options — Options for determining the look of lines	

Description

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

Syntax

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

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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)