

graph twoway pci — Twoway paired-coordinate plot with immediate arguments

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Syntax

```
twoway pci immediate_values [, options]
```

where *immediate_values* is one or more of

```
#y1 #x1 #y2 #x2 [ (#clockposstyle) ] [ "text for label" ]
```

See [G-4] [clockposstyle](#) for a description of #*clockposstyle*.

Menu

Graphics > Twoway graph (scatter, line, etc.)

Description

pci is an immediate version of twoway pcspike; see [U] [19 Immediate commands](#) and [G-2] [graph twoway pcspike](#). pci is intended for programmer use but can be useful interactively.

Options

options are as defined in [G-2] [graph twoway pcspike](#), with the following modifications:

If "*text for label*" is specified among any of the immediate arguments, option `mlabel()` is assumed.

If (#*clockposstyle*) is specified among any of the immediate arguments, option `mlabvposition()` is assumed.

Also see the *marker_options* defined in [G-2] [graph twoway pccapsym](#) if the `recast()` option is used to change the spikes into a paired-coordinate plot that plots markers.

Remarks and examples

[stata.com](#)

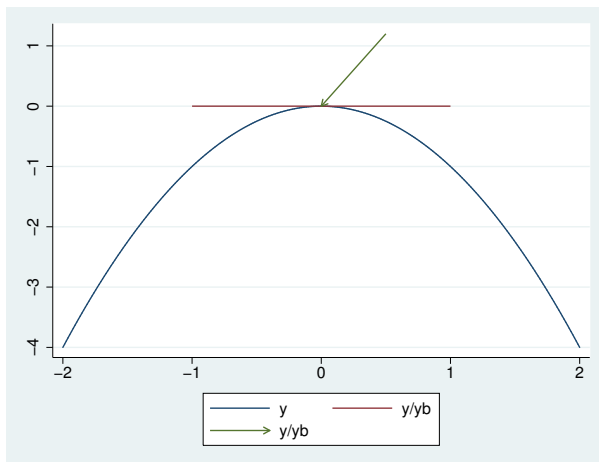
Immediate commands are commands that obtain data from numbers typed as arguments.

twoway pci does not modify the data in memory.

pci is intended for programmer use but can be used interactively. We can combine a pci plot with other twoway plots to produce a quick diagram.

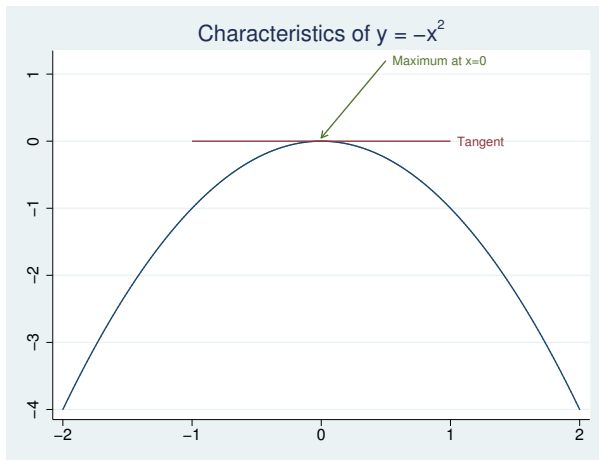
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```
. twoway function y = -x^2, range(-2 2)          ||  
    pci 0 1 0 -1                                ||  
    pcarrowi 1.2 .5 0 0
```



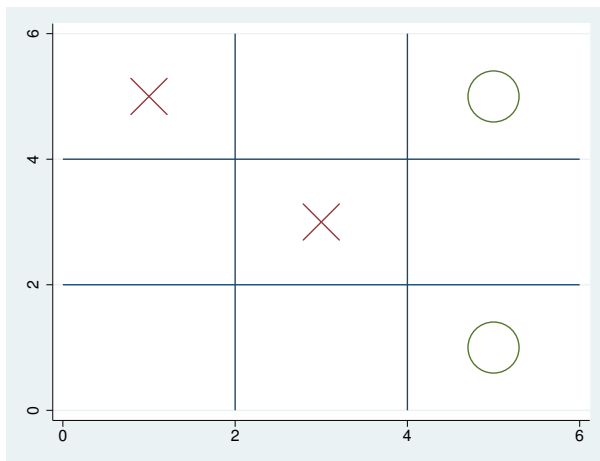
We can improve the annotation with

```
. twoway function y = -x^2, range(-2 2)          ||  
    pci 0 1 0 -1 "Tangent", recast(pccapsym) msymbol(i) ||  
    pcarrowi 1.2 .5 0.05 0 "Maximum at x=0",  
    legend(off) title("Characteristics of y = -x2")
```



A slightly more whimsical example is

```
. twoway pci 2 0 2 6 4 0 4 6 0 2 6 2 0 4 6 4 ||
  scatteri 5 1 3 3, msize(ehuge) ms(X) ||
  scatteri 5 5 1 5, msize(ehuge) ms(Oh) legend(off)
```



□ Technical note

Programmers: Note carefully `twoway`'s *advanced_option recast()*; see [G-3] *advanced_options*. It can be used to good effect, such as using `pci` to add marker labels.

□

Also see

[G-2] [graph twoway](#) — Twoway graphs

[G-2] [graph twoway pcarrow](#) — Paired-coordinate plot with arrows

[G-2] [graph twoway scatteri](#) — Scatter with immediate arguments

[U] [19 Immediate commands](#)