

Text

Left-aligned text	<code>text</code>	<code>"..." x y fontsize [font] [color] [op] [link]</code>
Centered text	<code>ctext</code>	<code>"..." x y fontsize [font] [color] [op] [link]</code>
End-Aligned text	<code>etext</code>	<code>"..." x y fontsize [font] [color] [op] [link]</code>
Rotated text	<code>rtext</code>	<code>"..." x y angle fontsize [font] [color] [op] [link]</code>
Text on an arc	<code>arctext</code>	<code>"..." cx cy rad a1 a2 fontsize [font] [color] [op] [link]</code>
Block text	<code>textblock</code>	<code>"..." x y width fontsize [font] [color] [op] [link]</code>
Text from a file	<code>textfile</code>	<code>"file" x y fontsize [font] [color] [op] [spacing]</code>
Code listing	<code>textcode</code>	<code>"file" x y width fontsize [color]</code>


hello, world



(x,y)

```
text "... " x y fontsize [font] [color] [op] [link]
```

hello, world



(x,y)

```
ctext "... " x y fontsize [font] [color] [op] [link]
```

hello, world

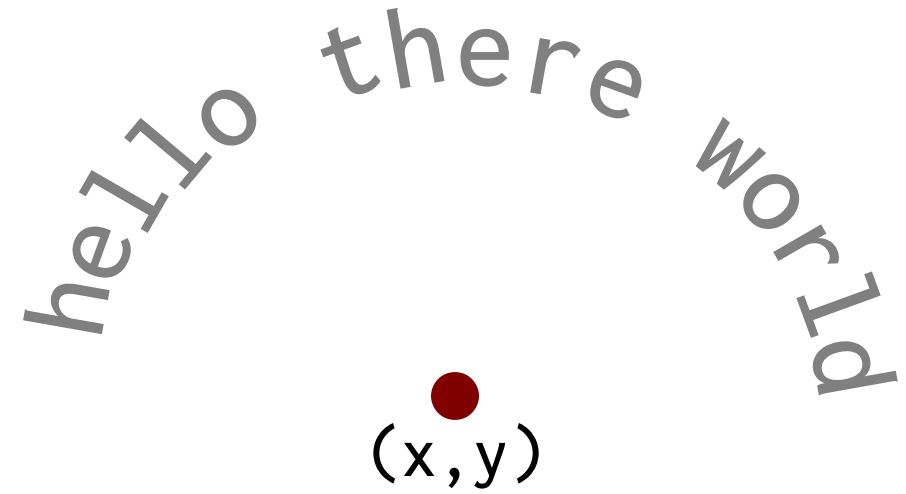


```
etext "... " x y fontsize [font] [color] [op] [link]
```

hello, world

(x,y)

```
rtext "... " x y angle fontsize [font] [color] [op] [link]
```



hello there world

(x,y)

```
arc text "... " x y radius a1 a2 fontsize [font] [color] [op]
```

W

(x,y) ● “Where justice is denied, where poverty is enforced,
where ignorance prevails, and where any one class
is made to feel that society is an organized conspiracy
to oppress, rob and degrade them, neither persons
nor property will be safe.”

textblock "... " x y w fontsize [font] [color] [op]

(x,y) This is the contents
of a file. it contains lines of text.
Reading is fundamental.

```
textfile "filename" x y fontsize [font] [color] [op]
```


(x,y)

W

```
package main
```

```
import "fmt"
```

```
func main() {
```

```
    fmt.Println("hello, world")
```

```
}
```

textcode "filename" x y w fontsize [color]

Lists

Plain list	<code>list</code>	<code>x y size [font] [color] [op] [spacing]</code>
Bullet list	<code>blist</code>	<code>x y size [font] [color] [op] [spacing]</code>
Numbered list	<code>nlist</code>	<code>x y size [font] [color] [op] [spacing]</code>
Centered list	<code>clist</code>	<code>x y size [font] [color] [op] [spacing]</code>

```
list
(x,y) li "first"
      li "second"
      li "third"
elist
```

```
list x y size [font] [color] [op] [spacing]
```

one

two

three

four

one

two

three

four

```
list 20 35 2.5
```

```
list 60 35 4 "serif" kwcolor 100 1.0
```

```
      blist
      (x,y) li "first"
            li "second"
            li "third"
      elist
```

```
blist x y size [font] [color] [op] [spacing]
```

- one
- two
- three
- four

- *one*
- *two*
- *three*
- *four*

```
blist 20 35 2.5
```

```
blist 60 35 4 "serif" kwcolor 100 1.0
```

```
nlist
(x,y) li "first"
      li "second"
      li "third"
elist
```

```
nlist x y size [font] [color] [op] [spacing]
```

1. one

2. two

3. three

4. four

1. one
2. two
3. three
4. four

```
nlist 20 35 2.5
```

```
nlist 60 35 4 "serif" kwcolor 100 1.0
```

```
clist
(x,y) li "first"
      li "second"
      li "third"
elist
```

```
clist x y size [font] [color] [op] [spacing]
```

first one

second

third

four and last

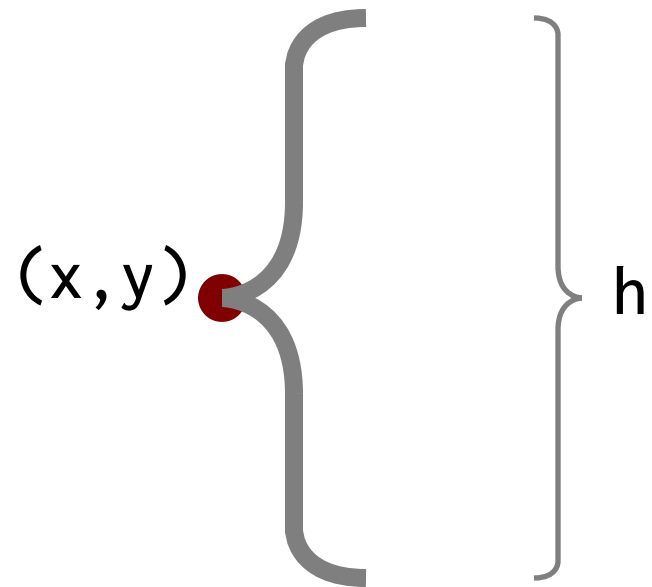
first one
second
third
four and last

```
clist 20 35 2.5
```

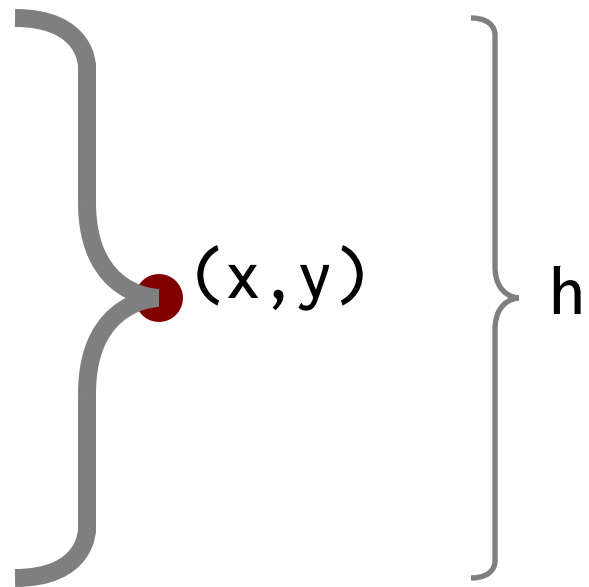
```
clist 60 35 4 "serif" kwcolor 100 1.0
```

Braces

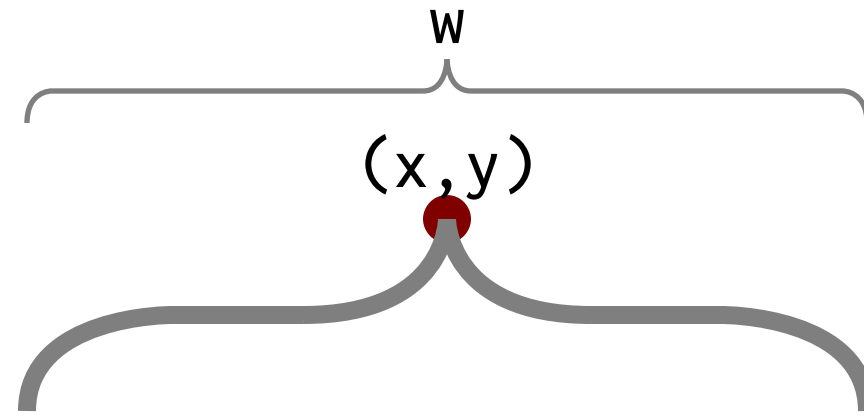
Left brace	lbrace	<code>x y size w h [lw] [color] [op]</code>
Right brace	rbrace	<code>x y size w h [lw] [color] [op]</code>
Up brace	ubrace	<code>x y size w h [lw] [color] [op]</code>
Down brace	dbrace	<code>x y size w h [lw] [color] [op]</code>



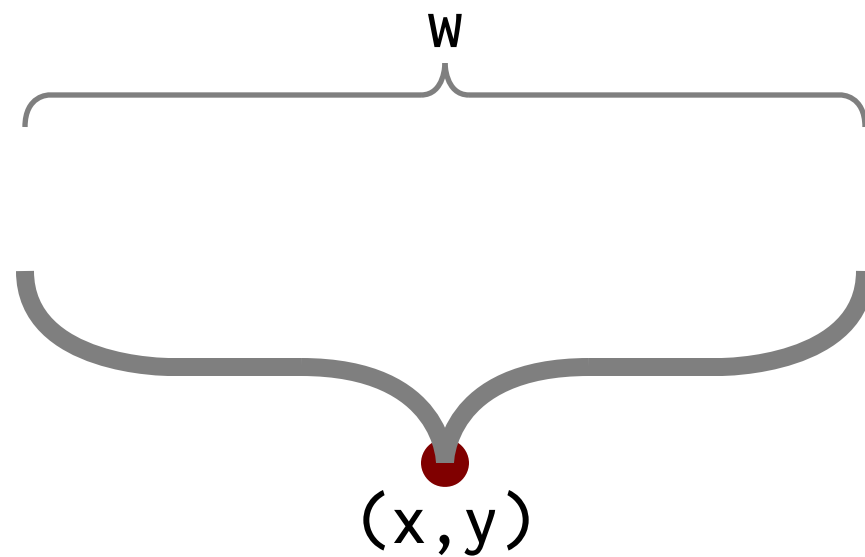
`lbrace x y h bw bh [lw] [color] [op]`



`rbrace x y h bw bh [lw] [color] [op]`



`ubrace x y w bw bh [lw] [color] [op]`



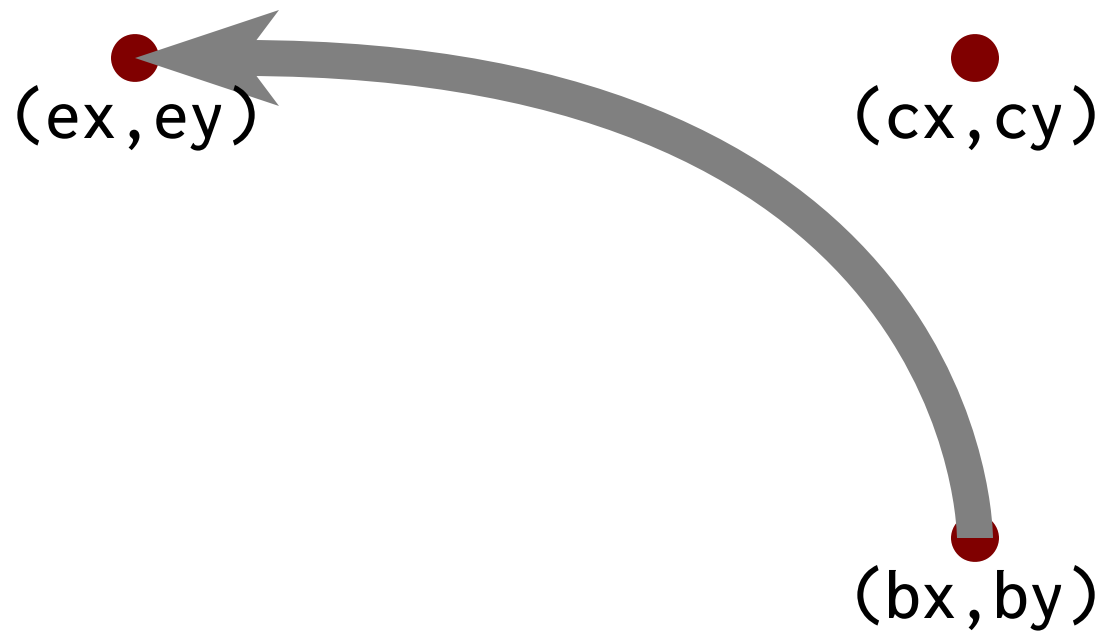
`dbrace x y w bw bh [lw] [color] [op]`

Arrows

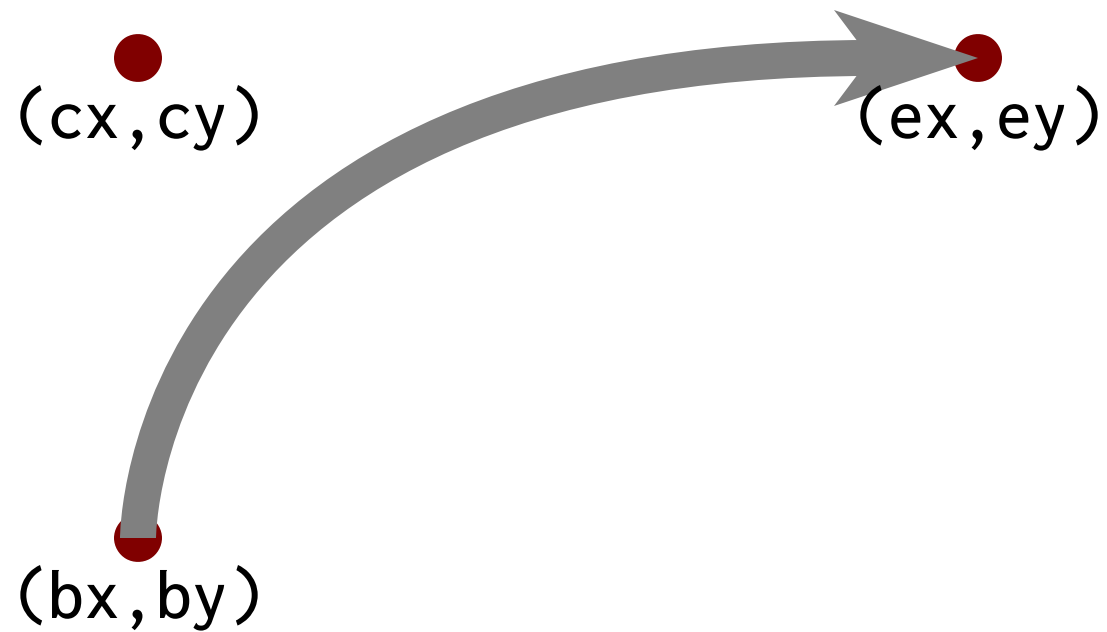
Arrow	<code>arrow</code>	<code>x1 y1 x2 y2 [lw] [width] [height] [color] [op]</code>
Left curved arrow	<code>lcarrow</code>	<code>bx by cx cy ex ey [lw] [width] [height] [color] [op]</code>
Right curved arrow	<code>rcarrow</code>	<code>bx by cx cy ex ey [lw] [width] [height] [color] [op]</code>
Up curved arrow	<code>ucarrow</code>	<code>bx by cx cy ex ey [lw] [width] [height] [color] [op]</code>
Down curved arrow	<code>dcarrow</code>	<code>bx by cx cy ex ey [lw] [width] [height] [color] [op]</code>



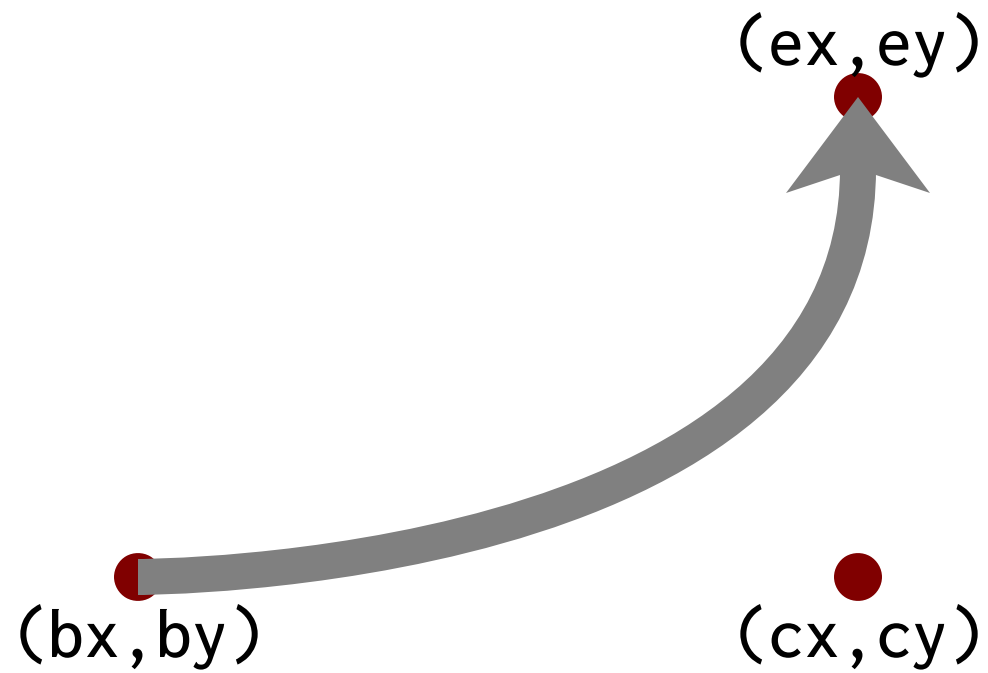
arrow x1 y1 x2 y2 [lw] [aw] [ah] [color] [op]



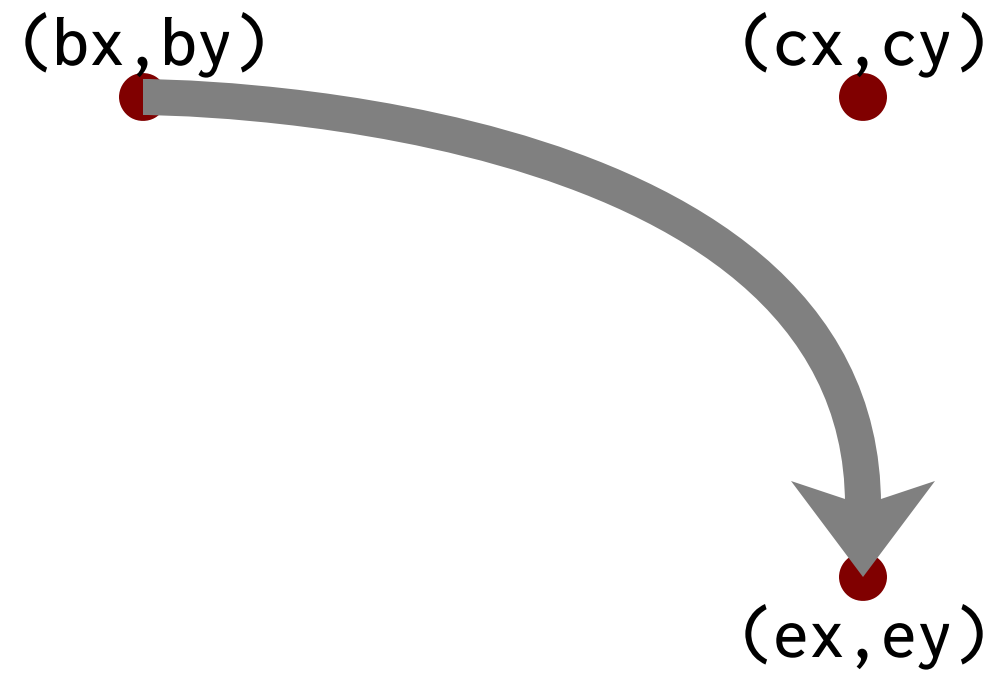
lcarrow bx by cx cy ex ey [lw] [aw] [ah] [color] [op]



`rcarrow bx by cx cy ex ey [lw] [aw] [ah] [color] [op]`



`ucarrow bx by cx cy ex ey [lw] [aw] [ah] [color] [op]`



`dcarrow bx by cx cy ex ey [lw] [aw] [ah] [color] [op]`

Images

Image	<code>image</code>	<code>"file" x y width height [scale] [link]</code>
Captioned image	<code>cimage</code>	<code>"file" "caption" x y width height [scale] [link]</code>

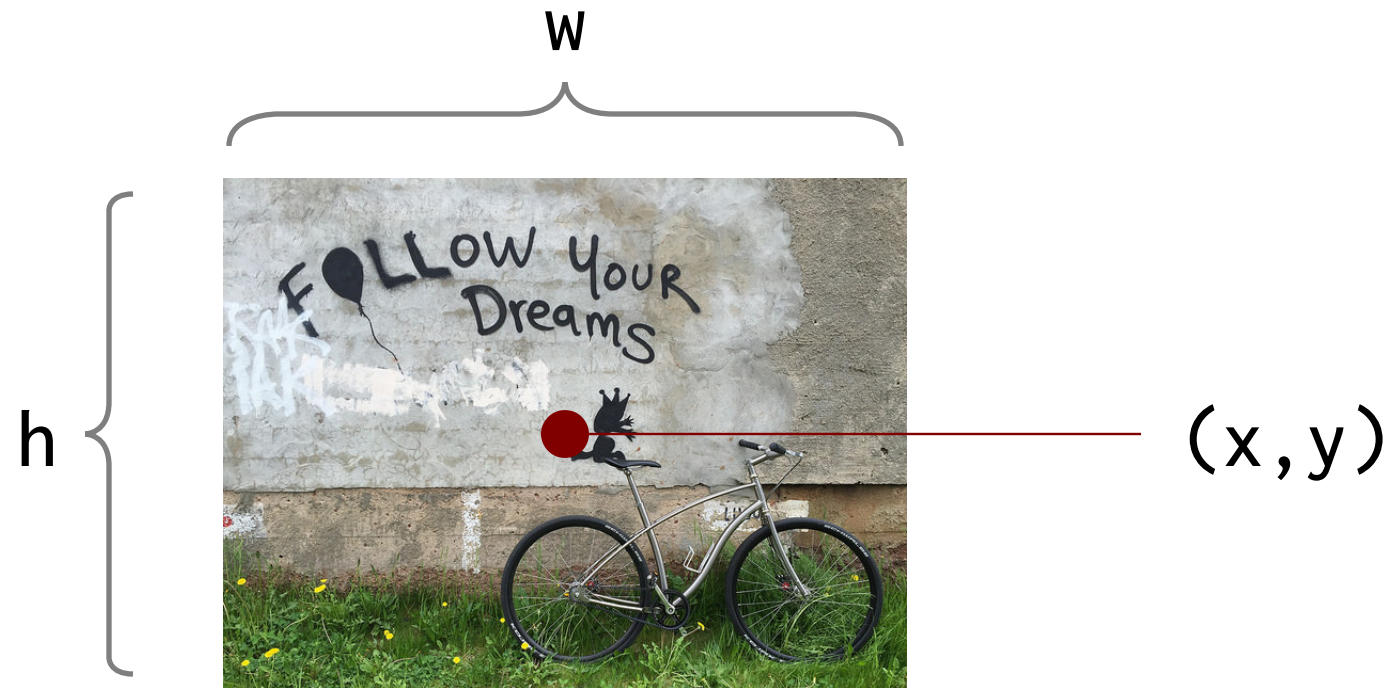


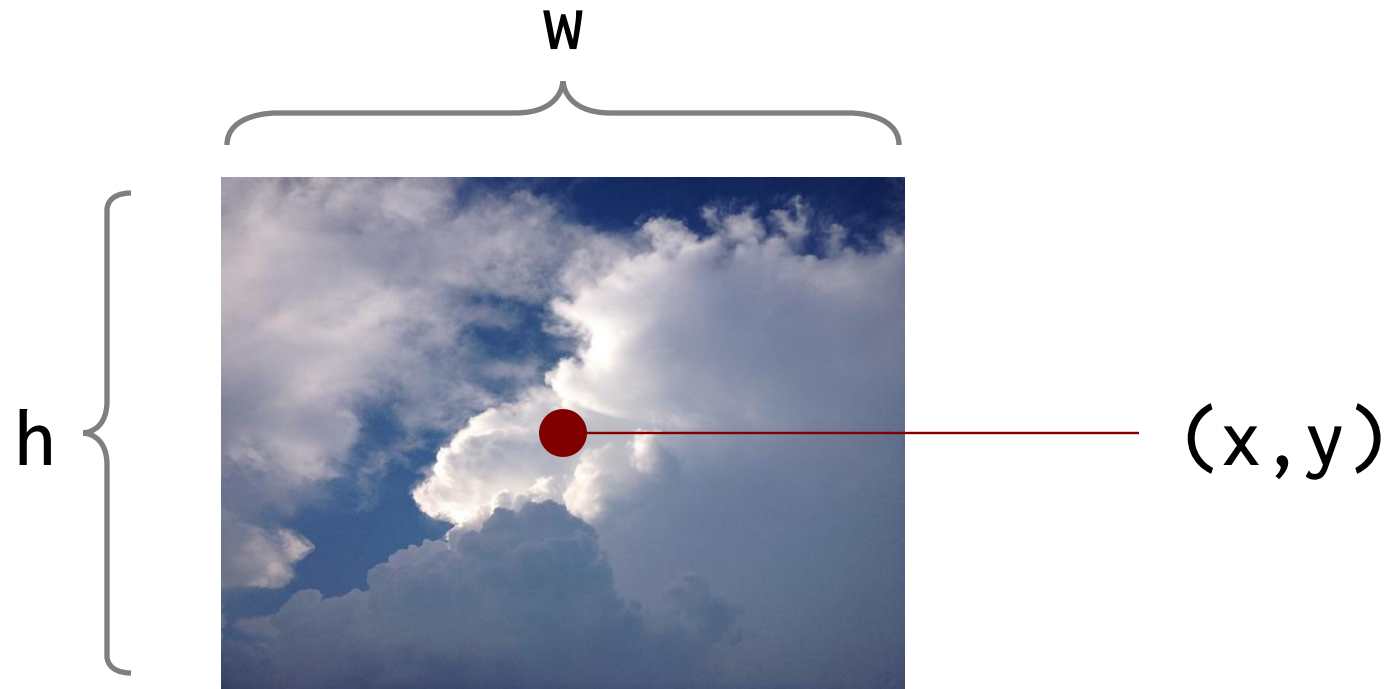
image x y w h [scale] [link]



image "follow.jpg" 22 25 640 480 10

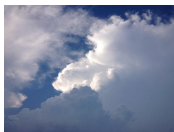


image "follow.jpg" 72 25 640 480 30



cloudy

`cimage "caption" x y w h [scale] [link] [capsize]`



sky



sky

`cimage "cloudy.jpg" "sky" 22 25 640 480 10`

`cimage "cloudy.jpg" "sky" 72 25 640 480 30 "" 1.5`

Graphics

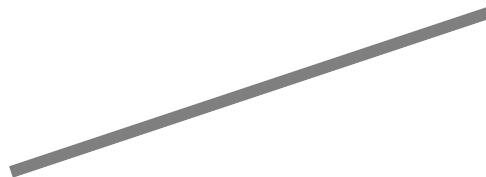
Line	line	x1 y1 x2 y2 lw [color] [op]
Horizontal line	hline	x y length [lw] [color] [op]
Vertical line	vline	x y length [lw] [color] [op]
Circle	circle	x y w [color] [op]
Area circle	acircle	x y area [color] [op]
Square	square	x y w [color] [op]
Rectangle	rect	x y w h [color] [op]
Rounded rectangle	rrect	x y w h [color]
Pill shape	pill	x y w h [color]
Ellipse	ellipse	x y w h [color] [op]
Quadratic Bezier	curve	bx by cx cy ex ey [lw] [color] [op]
Elliptical arc	arc	x y w h a1 a2 [lw] [color] [op]
Polygon	polygon	"x1 x2...xn" "y1 y2...yn" [lw] [color] [op]
N-sided star	star	x y nsides inner outer [color] [op]

lw { 
(x1,y1) (x2,y2)

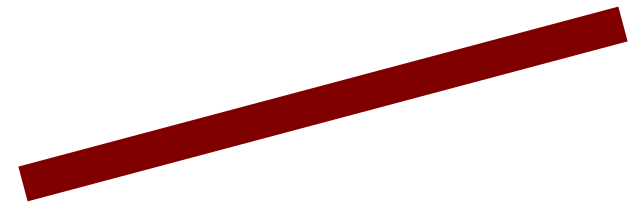
line x1 y1 x2 y2 lw [color] [op]



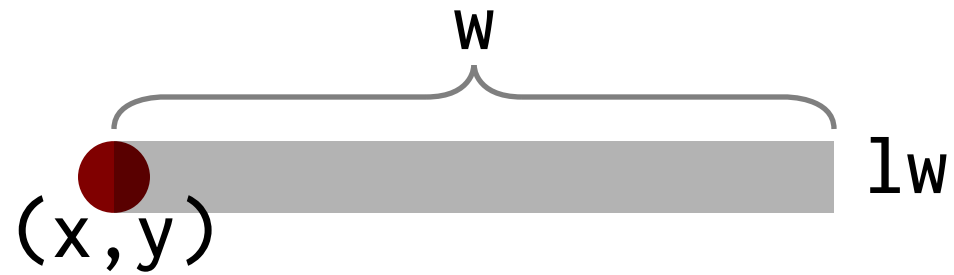
line 10 20 30 20



line 40 20 60 30 0.5



line 70 20 95 30 1.5 "red"



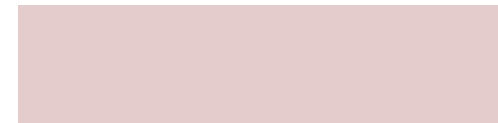
`hline x y w [lw] [color] [op]`



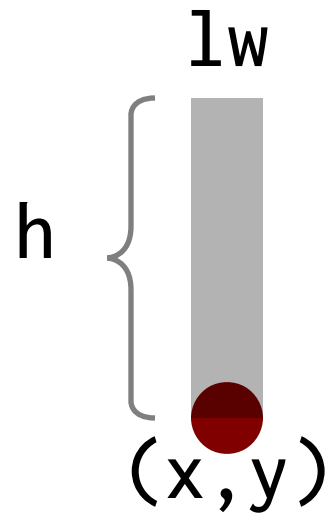
`hline 15 20 10`



`hline 40 20 20 1`



`hline 70 20 20 5 "red" 20`



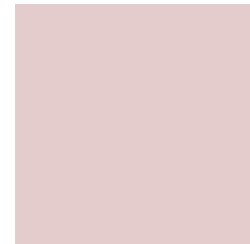
`vline x y h [lw] [color] [op]`



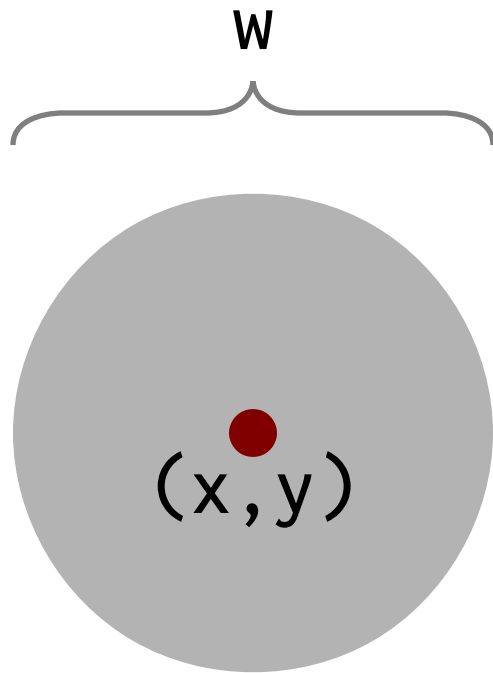
`vline 20 20 15`



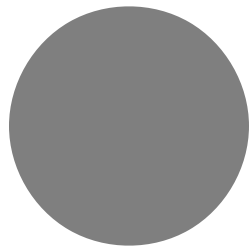
`vline 50 20 15 2`



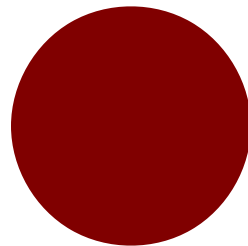
`vline 80 20 15 10 "red" 20`



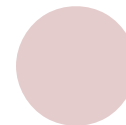
`circle x y w [color] [op]`



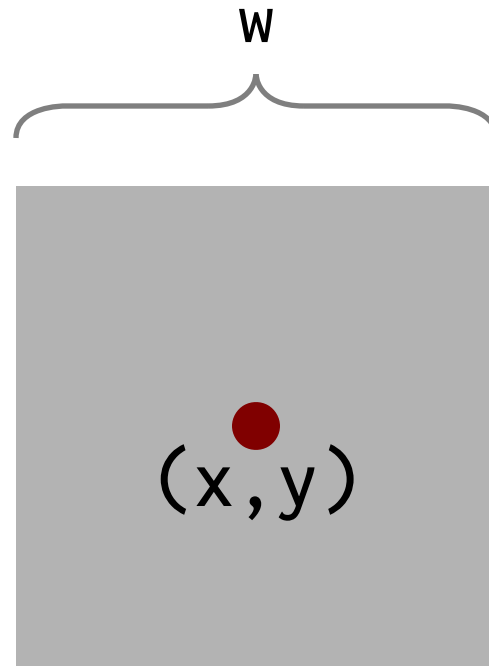
`circle 20 20 10`



`circle 50 20 10 "red"`



`circle 80 20 5 "red" 20`



square x y w [color] [op]



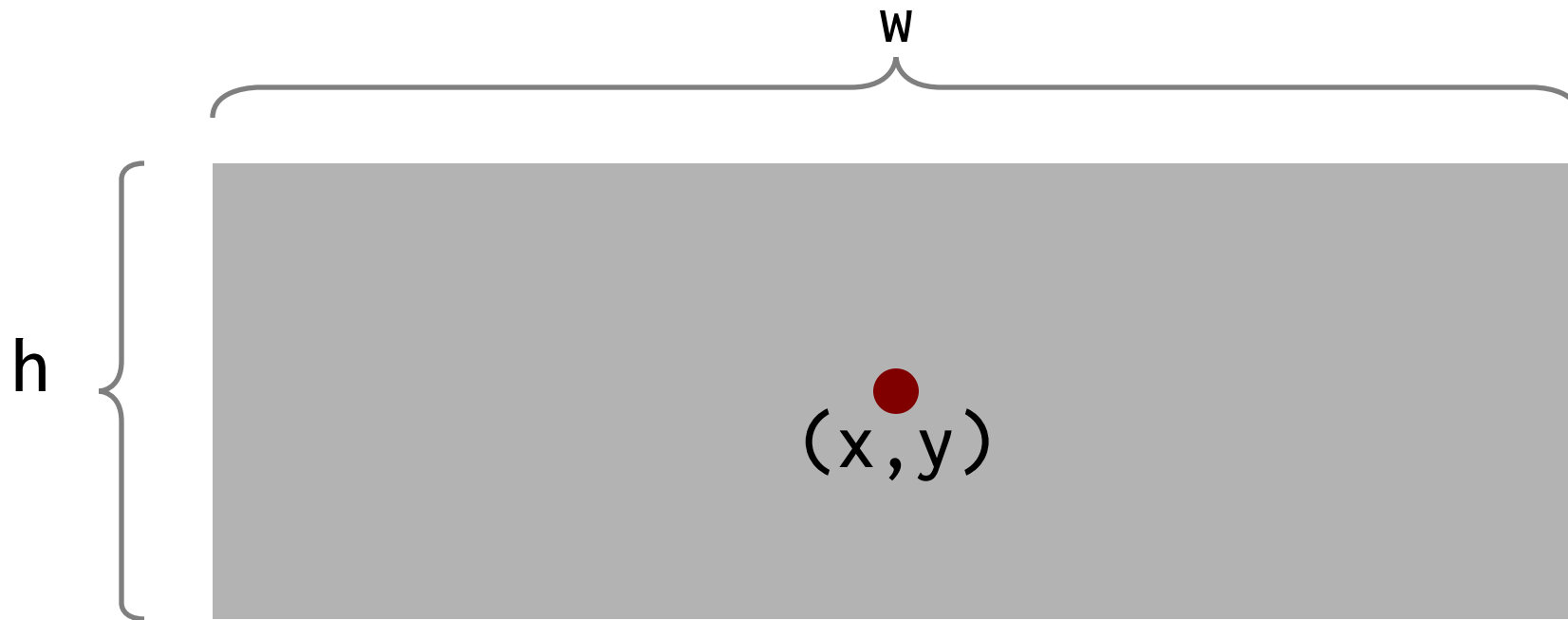
square 20 20 10



square 50 20 10 "red"



square 80 20 5 "red" 20



`rect x y w h [color] [op]`



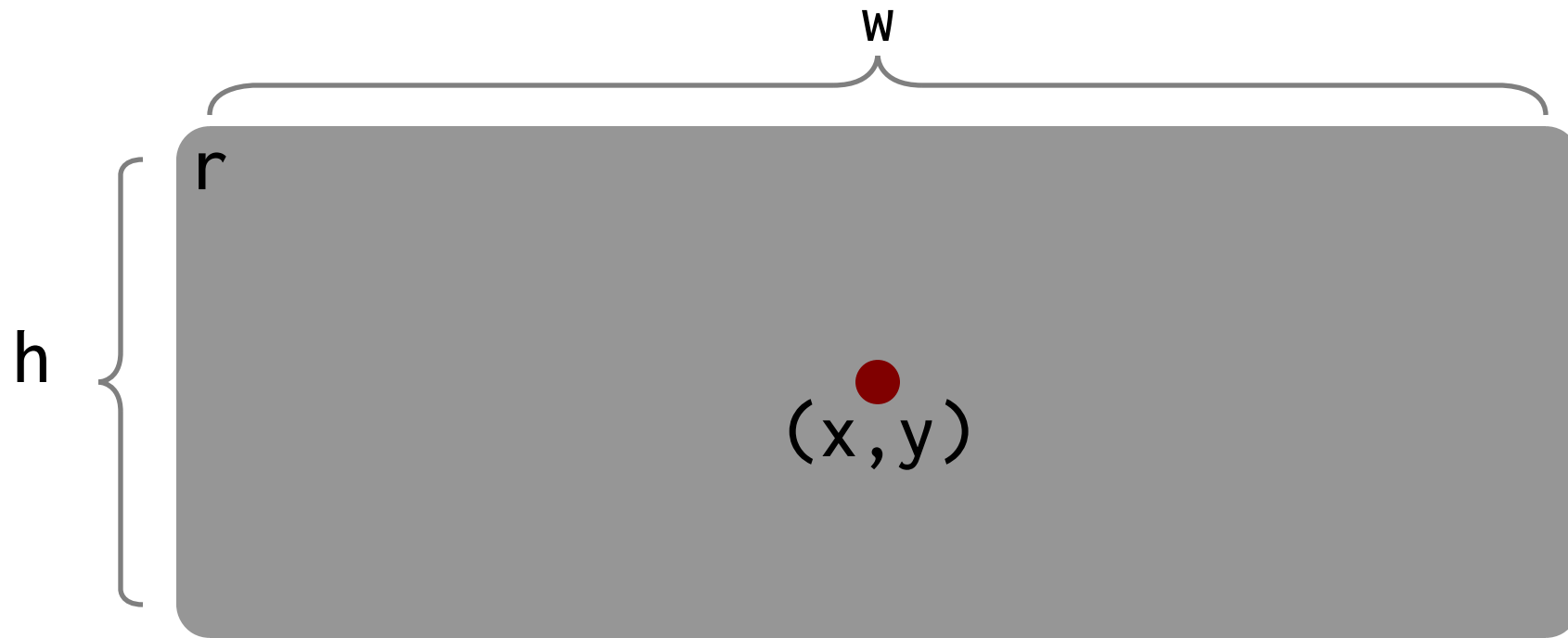
`rect 20 20 10 5`



`rect 50 20 10 5 "red"`



`rect 80 20 5 10 "red" 20`



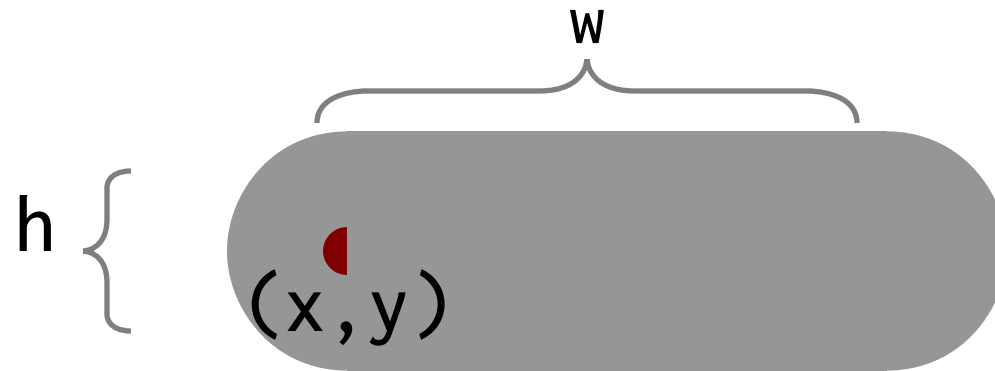
`rrect x y w h r [color] [op]`



`rrect 20 20 10 5 1`



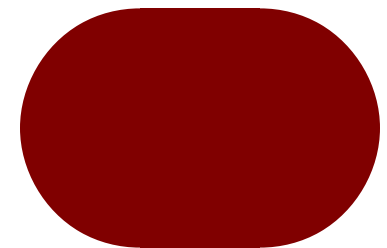
`rrect 80 20 5 10 1 "red"`



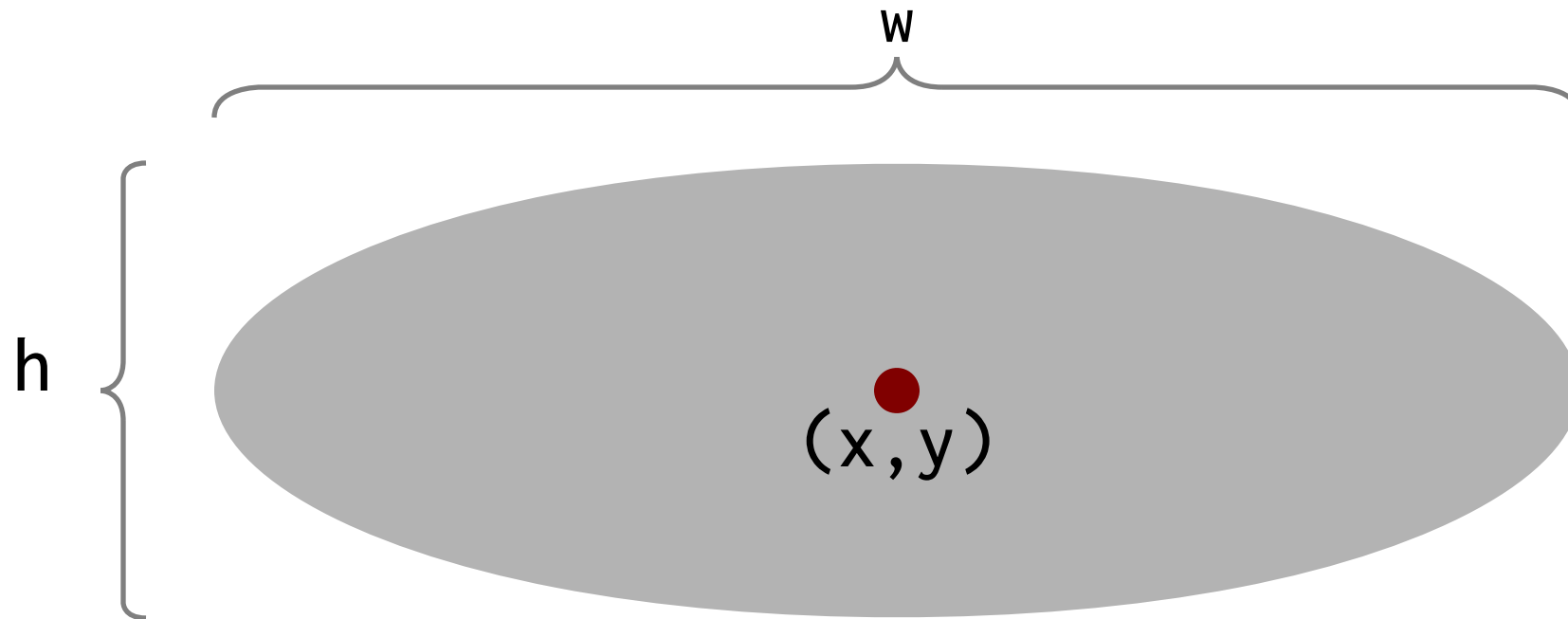
`pill x y w h [color]`



`pill 20 20 10 5`



`pill 80 20 5 10 "red"`



`ellipse x y w h [color] [op]`



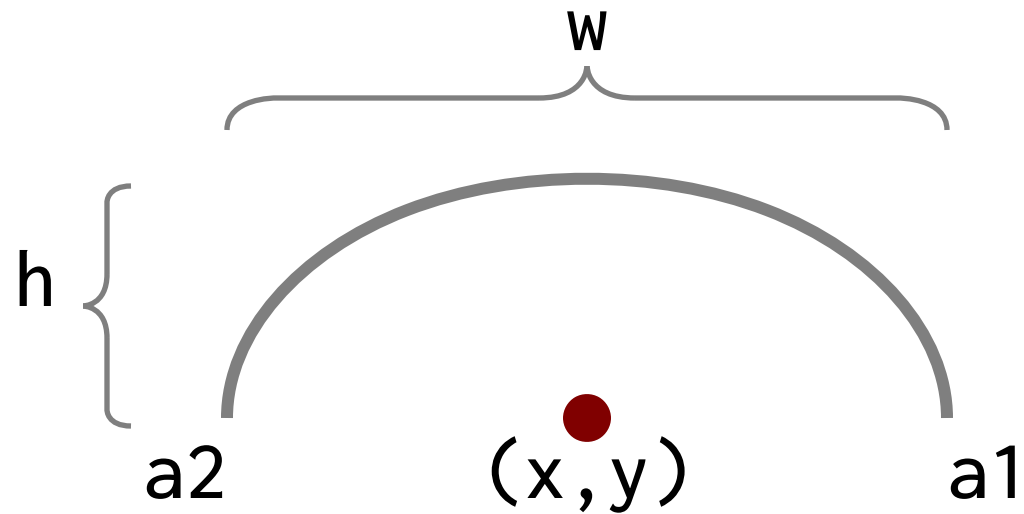
`ellipse 20 20 10 5`



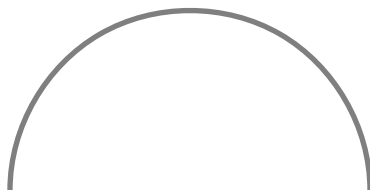
`ellipse 50 20 10 5 "red"`



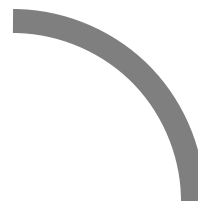
`ellipse 80 20 5 10 "red" 20`



`arc x y w h a1 a2 [lw] [color] [op]`



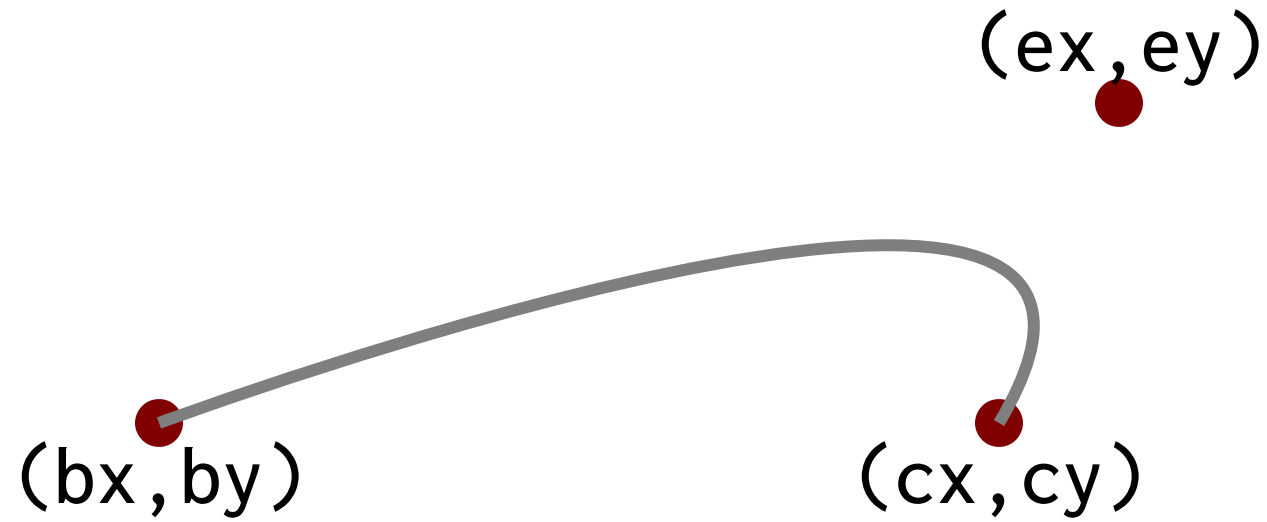
`arc 20 20 15 15 0 180`



`arc 50 20 15 15 0 90 1`



`arc 80 20 5 5 0 180 5 "red"`



curve bx by cx cy ex ey [lw] [color] [op]



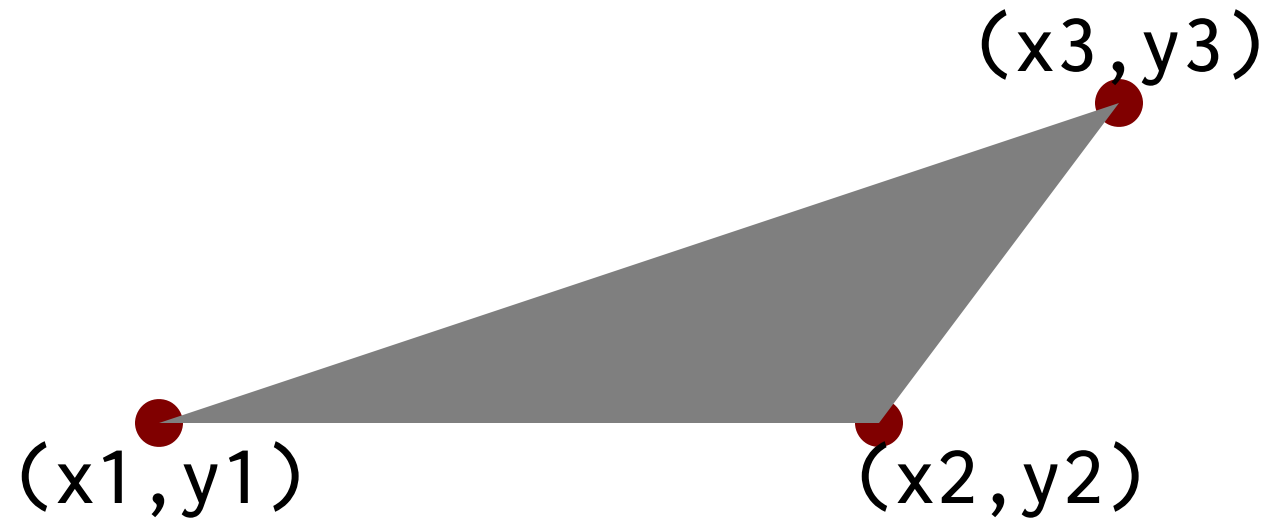
curve 15 20 25 30 30 25



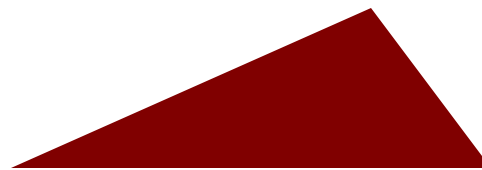
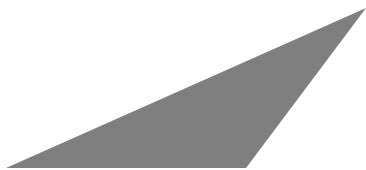
curve 15 20 25 30 30 25



curve 70 20 70 30 90 25 0.5 "red"

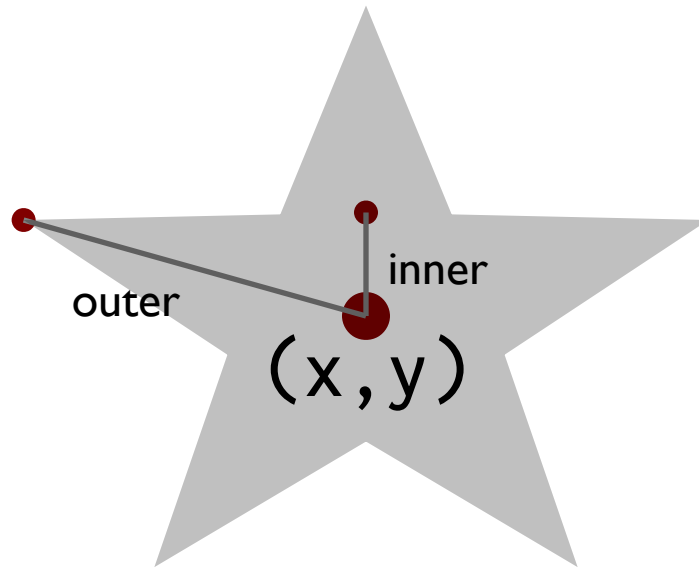


`polygon "x1 x2...xn" "y1 y2...yn" [color] [op]`



`polygon "10 25 20" "20 30 20"`

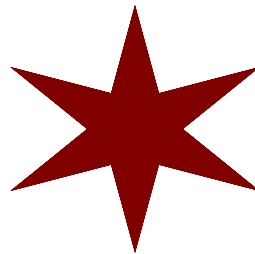
`polygon "40 55 60" "20 30 20" "red"`



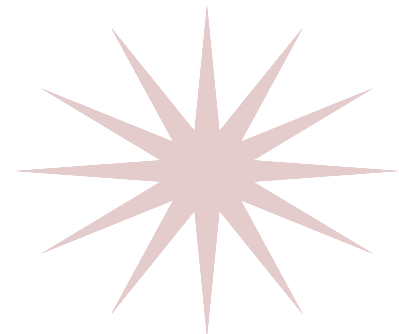
`star x y nsides inner outer [color] [op]`



`star 20 20 5 2 6`



`star 50 20 12 2 5 "red"`



`star 80 ey 24 2 8 "red" 20`