

Keyword	Arguments	Description
Structure	<code>deck</code>	Begin a deck; end with "edeck"
	<code>def</code>	Define a function; end with "edef"
	<code>for</code>	Begin loop; end with "efor"
	<code>if</code>	Conditional; one of: a==b, a!=b, a>b, a<b, a>=b, a<=b, a<>b c
	<code>import</code>	import function found in a file
	<code>include</code>	Include the contents of a file
	<code>slide</code>	Begin a slide; end with "eslide"
	<code>edeck</code>	End the deck
	<code>edef</code>	End the defintion
	<code>efor</code>	End the for loop
Utility	<code>eif</code>	End the conditional
	<code>else</code>	Begin the else clause
	<code>canvas</code>	Define with dimensions of the canvas
	<code>content</code>	Embed content
	<code>dump</code>	Dump variables
Graphics	<code>grid</code>	Define a content grid
	<code>ruler</code>	draw a (x,y) ruler
	<code>acircle</code>	Circle with sized based on area
	<code>arc</code>	Ellipical arc centered at (x,y), dimensions (w,h) between angles a1 and a2
	<code>circle</code>	Circle centered at (x,y), diameter w
Shapes	<code>curve</code>	Quadratic Bezier Curve begin (bx,by), control (cx, cy), end (ex,ey)
	<code>ellipse</code>	Ellipse centered at (x,y), dimension (w,h)
	<code>hline</code>	Horizontal line begin at (x,y), length w
	<code>line</code>	Line between (x1,y1) and (x2,y2)
	<code>pill</code>	Pill shape beginning at (x,y), dimensions (w,h)
	<code>polygon</code>	Polygon with specified x, y coordinates
	<code>polyline</code>	Polyline with specified x, y coordinates
	<code>rect</code>	Rectangle centered at (x,y), dimensions (w,h)
	<code>rrect</code>	Rounded rectangle centered at (x,y), dimensions (w,h), corner radius r
	<code>square</code>	Square centered at (x,y), size w
	<code>star</code>	Star centered at (x,y), with sides, innner and outer sizes
	<code>vline</code>	Vertical line beginning at (x,y), h high
	<code>x</code>	Specify x coordinate
	<code>y</code>	Specify y coordinate
	<code>w</code>	Specify width
	<code>h</code>	Specify height
	<code>a1</code>	Specify start angle
	<code>a2</code>	Specify end angle
	<code>l</code>	Specify line thickness
	<code>c</code>	Specify color
	<code>o</code>	Specify opacity

Keyword	Arguments	Description
Text	"string" x y radius a1 a2 fontsize [font] [color] [opacity] [link]	Text on an arc, at fontsize, center (x,y), radius r, between a1. a2
	"string" x y fontsize [font] [color] [opacity] [link]	Text beginning at (x,y), at fontsize
	"string" x y fontsize [font] [color] [opacity] [link]	Centered text beginning at (x,y), at fontsize
	"string" x y fontsize [font] [color] [opacity] [link]	End-aligned text at (x,y), at fontsize
	"string" x y angle fontsize [font] [color] [opacity] [link]	Rotated text centered at x,y), at angle and fontsize
	"string" x y fontsize [font] [color] [opacity] [link]	Text beginning at (x,y), at fontsize
	"string" x y w fontsize [font] [color] [opacity] [link]	Block of text beginning at (x,y), at fontsize, with width w
	"file" x y w fontsize [font] [color] [opacity] [link]	Block of text read for a file, beginning at (x,y), at fontsize, with width w
	"file" x y w fontsize [font] [color] [opacity]	Lines of code, read from a file, upper right corner at (x,y), margin at w
	"file" x y fontsize [font] [color] [opacity] [spacing]	Contents of a text file pper right corner at (x,y)
Lists	x y fontsize [font] [color] [opacity] [spacing]	Bulleted list starting at (x,y), at fontsize
	x y fontsize [font] [color] [opacity] [spacing]	Centered list starting at (x,y), at fontsize
	x y fontsize [font] [color] [opacity] [spacing]	List starting at (x,y), at fontsize
	x y fontsize [font] [color] [opacity] [spacing]	Numbered list starting at (x,y), at fontsize
	"item" [font] [color] [opacity]	List item
		End the list
Images	"file" "caption" x y w h [scale] [link] capsize	Captioned image; center (x,y), dimensions (w,h) (h=0, w is % of canvas width)
	"file" x y w h [scale] [link]	Image center at (x,y), dimensions (w,h) (h=0, w is % of canvas width)
Braces/ Brackets	x y w bw bh [lw] [color] [opacity]	Downward pointing brace
	x y w h [lw] [color] [opacity]	Downward pointing bracket
	x y h bw bh [lw] [color] [opacity]	Left pointing brace
	x y w h [lw] [color] [opacity]	Left pointing bracket
	x y h bw bh [lw] [color] [opacity]	Right pointing brace
	x y w h [lw] [color] [opacity]	Right pointing bracket
	x y w bw bh [lw] [color] [opacity]	Upward facing brace
	x y w h [lw] [color] [opacity]	Upward facing bracket

	Keyword	Arguments	Description
Arrows	arrow	<code>x1 y1 x2 y2 [lw] [aw] [ah] [color] [opacity]</code>	Arrow starting at (x1,y1), ending at (x2,y2), aw=width, ah=height
	darrow	<code>bx by bx xy ex ey [lw] [aw] [ah] [color] [opacity]</code>	Downward curved arrow; curve specified by (bx,by), (cx,cy), (ex,ey)
	larrow	<code>bx by bx xy ex ey [lw] [aw] [ah] [color] [opacity]</code>	Left curved arrow; curve specified by (bx,by), (cx,cy), (ex,ey)
	rarrow	<code>bx by bx xy ex ey [lw] [aw] [ah] [color] [opacity]</code>	Right curved arrow; curve specified by (bx,by), (cx,cy), (ex,ey)
	uarrow	<code>bx by bx xy ex ey [lw] [aw] [ah] [color] [opacity]</code>	Upward curved arrow; curve specified by (bx,by), (cx,cy), (ex,ey)
Charts	dchart	options...	Chart with specified options
	legend	"string" x y fontsize font color	Chart legend
Built-ins	x=area	expression	Assign an area
	x=format	"fmt" expr... (up to 5)	Assign formatting to expressions
	x=polar	x y radius angle	Assign polar coordinate centered at (x,y) at radius and angle (0-360)
	x=polarx	x y radius angle	Assign X-polar coordinate centered at (x,y) at radius and angle (0-360)
	x=pоляр	x y radius angle	Assign Y-polar coordinate centered at (x,y) at radius and angle (0-360)
	x=random	min max	Assign a random number between two values
	x=substr	"string" begin end	Assign a substring
	x=vmap	data min1 max1 min2 max2	Assign a value mapped to two ranges
Math	x=cosine	expression	Assign the cosine of expression
	x=sine	expression	Assign the sine of expression
	x=sqrt	expression	Assign the square root of expression
	x=tangent	expression	Assign the tangent of expression
Geographic	geoarc	"p1" "p2" [lw] [color] [opacity]	Draw arcs between points
	geoborder	"file" [lw] [color] [opacity]	Reads KML data from the specified file and renders the map borders
	geoimage	"loc" width height	Place an image at a geographical location
	geolabel	"loc" [size] [font] [color] [opacity]	Reads data from the specified file or location and renders the map labels
	geoloc	"loc" [align] [size] [font] [color] [opacity]	Reads data from the specified file or location and a make map point and labels
	geomark	"loc" [size] [color] [opacity]	Reads data from the specified file or location and renders map points
	geopath	"p1" "p2" [lw] [color] [opacity]	Draw line between points
	geopathfile	"file" [lw] [color] [opacity]	Reads data from the specified file and a make lines between points
	georegion	"file" [color] [opacity]	Reads KML data from the specified file and renders the map regions