Graphics Command Queue

g2 Cheat Sheet

Creating g2 object

Constructor call	Returns
g2([Optional] object arguments)	<i>g</i> 2
Optional Properties of arguments	Comment
object zoom: float scl, float x, float y	Initial zoom
object pan: float dx, float dy	Initial pan
object trf: float x, float y, float scl	Initial transform
bool cartesian	Cartesian coordinates

Path commands (@returns g2)

Command	Canvas / Comment
p()	beginPath()
m(float x, float y)	moveTo()
I(float x, float y)	lineTo()
q(float x1, float x2, float x, float y)	quadraticCurveTo()
c(float x1, float y1, float x2, float y2,	bezierCurveTo()
float x, float y)	
z()	closePath()
a(float dw, float x, float y)	Arc command

Rendering commands (@returns g2)

Canvas / Comment
stroke()
fill()
stroke() and fill()
Clear Canvas
Show grid

Managing commands

Returns	Command	Comment
g2	cpy(object g)	Copy command queue
g2	del()	Delete commands
string	dump([Optional] string space)	Show command queue
g2	exe(object ctx, [Optional] object g)	Execute / Render

Style commands (@returns g2)

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style(string	name.	string	l float	l int valu	a [C	:ontinual	hle]

Name	Alternative	T
		Type
fs	fillStyle	string
ls	strokeStyle	string
lw	lineWidth	float
lc	lineCap	string
Values:	,,	
lj	lineJoin	string
Values:	"round", "bevel", "miter"	
ml	miterLimit	float
ld	lineDash	array
lo	lineDashOffset	int
lm	lineMode	string
Values:	"normal"	
shx	shadowOffsetX	float
shy	shadowOffsetY	float
shb	shadowBlur	float
shc	shadowColor	string
thal	textAlign	string
Values:	"start", "end", "left", "right", "center"	
tval	textBaseline	string
Values:	"top", "hanging", "middle",	
	"alphabetic", "ideographic",	
	"bottom"	
fof	fontFamily	string
foz	fontSize	float
foc	fontColor	string
fow	fontWeight	string
fos	fontStyle	string
foznosc	fontSizeNonScalable	bool
lwnosc	lineWidthNonScalable	bool

Element commands (@returns g2)

Command	Canvas / Comment
lin(float x1, float y1, float x2, float y2)	Draw line
rec(float x, float y, float b, float h)	Draw rectangle
cir(float x, float y, float r)	Draw circle
arc(float x, float y, float r,	Draw arc
float w, float dw)	
ply(array parr, [Optional] bool closed)	Draw polygon
txt(string s, float x, float y, float maxWidth)	fillText()
img(string uri, [Optional]	Draw image
float x, float y, float b, float h,	
float xoff , float yoff ,	
float dx , float dy)	

Structuring commands (@returns g2)

Command	Comment
beg([Optional] float x, float y,	Begin subcommands
float w, float scl)	
end()	End subcommands
use(object g, [Optional] float x, float y,	Referencing external g2
float w. float scl)	

Viewport commands

Returns	Command	Comment
g2	cartesian()	Cartesian coordinates
g2	pan(float dx, float dy)	Pan viewport
g2	zoom(float scl,	Zoom viewport
	[Optional] float x, float y)	
g2	trf0(float x, float y, float scl)	Transform viewport
object	pntToUsr(float x, float y, float h)	Point to User {x, y}
object	vecToUsr(float x, float y)	Vector to User {x, y}