PostScript Quick Reference v2.0

Numercal operators

num_1	num_2	add	sum	num_1	+	num_2
num_1	num_2	sub	difference	num_1	-	num_2
num_1	num_2	${\tt mul}$	product	num_1	*	num_2
num_1	num_2	div	quotient	num_1	/	num_2

Stack operators

any	pop -	discard top element
any1 any2	exch any2 any1	exchange top two elements
any	dup any any	duplicate top element

Graphics state operators

_	gsave -	save graphics state
_	grestore -	restore graphics state
num	setlinewidth -	set current line width
num	setlinecap -	set shape of line ends
		(0=butt, 1=round, 2=square)
num	setlinejoin -	set type of corners
		(0=miter, 1=round, 2=bevel)
num	setgray -	set color to gray value
		(0=black to 1=white)

Coordinate system operators

```
tx ty translate - translate user space
sx sy scale - scale user space
angle rotate - rotate user space
```

Path construction operators

```
x y moveto - set current point
dx dy rmoveto - relative moveto
x y lineto - append straight line
dx dy rlineto - relative lineto
x y r ang<sub>1</sub> ang<sub>2</sub> arc - counterclockwise arc
- newpath - initialize path to empty
- closepath - connect subpath to starting point
string bool charpath - append character outline to path
- currentpoint x y return current point coordinate
```

Painting operators

- stroke - draw line along current path - fill - fill path with current color - erasepage - paint current page white

Device setup and output operators

showpage - output and reset current pagecopypage - output current page

Character and font operators

key **findfont** font return font dict
font scale **scalefont** font' scale *font* to produce new *font'*font **setfont** - set font dictionary
string **show** - print characters of string

Control operators

init incr lim proc for - execute proc with values from init by steps of incr to lim repeat - repeat proc int times