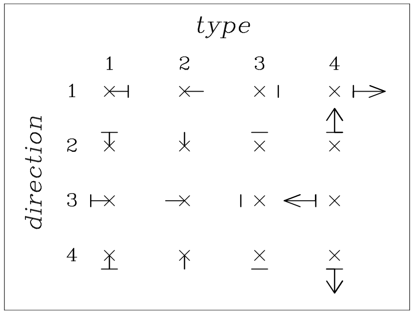
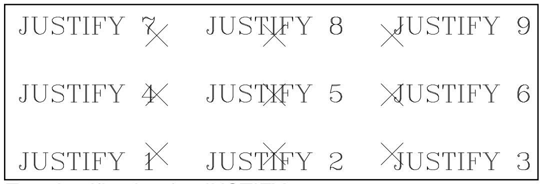
IGI Quick Reference Card

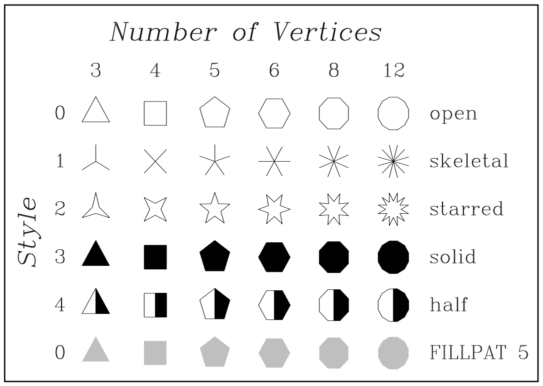


Error Bar Styles for ETYPE

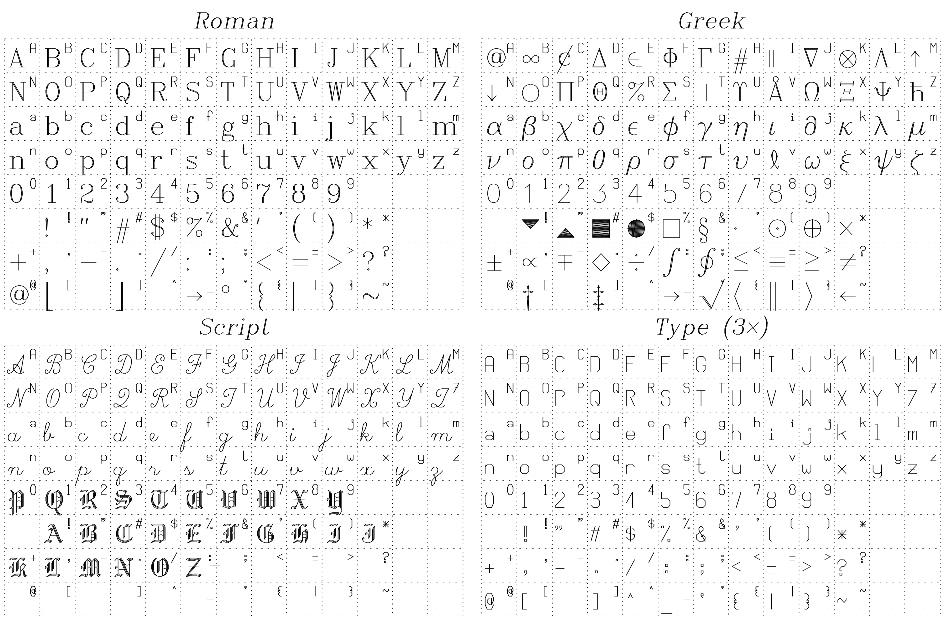


Text Justification for JUSTIFY

Lines & Weights for LWEIGHT and LTYPE



Plotted Symbols for PTYPE



igi Fonts

Execution Commands

Save	*Undo*	Command	Description
		`!`	Escape command to CL
		`?`	Page help summary menu
		`^`	Re-execute previous command
		`APROPOS` *keyword*	List commands associated with keyword
		`BYE`	Terminate igi (alias for `END`)
		`CURSES` *[file]*	Start interactive cursor mode
		`DEFINE` *macro*	Create a macro
		`EDITCMD` *[macro]*	Edit the command buffer or macro text
		`END`	Exit igi, or terminate macro define
		`HELP` *[command]*	Display help
•		`INPUT` *file*	Execute commands from a file
		`LIST` *[macro]*	List the command buffer or macro text
		`MACROS`	List defined macros
		`MENU`	Page the help summary
		`PAGECMD` *[macro]*	Page the command buffer or macro text
		`PLAYBACK`	Execute the commands in the command buffer
		`SHOW`	Page plot limits and attributes
		`UNDO`	Selectively erase the last plot command
		`WRITE` *file*	Write the command buffer to a file

Modifying Plot Attributes

Save	*Undo*	Command	Description
•		`ANGLE` *[angle]*	Set the marker and text rotation angle
•		`ETYPE` *[style]*	Change the error bar style
•		`EXPAND` *[size]*	Set the marker size and text size
•		`FMTICK` *[format]*	Specify the axis tick label format
•		`JUSTIFY` *[format]*	Set text justification
•		`LTYPE` *[style]*	Set the line style (hardware dependent)
•		`LWEIGHT` *[width]*	Set the line width (hardware dependent)
•		`NOTATION` *xlo xhi ylo yhi*	Set the format for axis labels
•		`PTYPE` *[numb style]*	Specify the point marker type
•		`RESET`	Restore plot and data parameters to defaults
•		`TICKSIZE` *[minorx majorx minory majory]*	Set axis tick spacing

Arguments [Optional Arguments]

Command name

Command effects can be reversed?

Command saved in playback buffer?

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IGI Version 3.3
STSDAS Version 1.3

Reading and Modifying Data

Save	Undo	Command	Description
•		`DATA` *file*	Specify the input data file
		`DLIST`	Print data values
•		`ECOLUMN` *column*	Read errors from a column of the data file
•		`EEVALUATE` *expression*	Operate on error values
•		`LCOLUMN` *column*	Read limits data from a column of the data file
•		`LINES` *first last*	Specify the range of input rows to read
•		`PCOLUMN` *column*	Read point specifications from input data file
•		`PEVALUATE` *expression*	Operate on point code values
•		`READ` *file*	Read commands into the command buffer without execution
		`SAOCMAP` *file*	Specify a gray or color map for display
•		`SCOLUMN` *column*	Read scratch data from a column of data file
•		`SECTION` *image*	Read an image section for a plot buffer
•		`XCOLUMN` *column*	Read X coordinates from a column of data file
•		`XEVALUATE` *expression*	Operate on X data values
•		`XLOGARITHM`	Take a common log of X data
•		`XSECTION` *image*	Read X coordinates from an image section
•		`YCOLUMN` *column*	Read Y coordinates from a column of data file
•		`YEVALUATE` *expression*	Operate on Y data values
•		`YLOGARITHM`	Take common log of Y data
•		`YSECTION` *image*	Read Y coordinates from an image section
•		`ZEVALUATE` *expression*	Operate on Z raster data values
		`ZSECTION` *image*	Read Z values from an image section

Scaling a Plot

Save	Undo	Command	Description
•		`FITPIX` *[L R B T]*	Set a viewport to match an image's aspect
•		`IMGWCS`	Toggle using image WCS for X values
•		`LIMITS` *[L R B T]*	Set the plot scale
•		`LOCATION` *[L R B T]*	Set the viewport on the virtual page
•		`MARGIN` *[fraction]*	Add a border between curve and axes
•		`PHYSICAL` *[L R B T]*	Set virtual page in physical device coordinates
•		`VPAGE` *[L R B T]*	Set virtual page in normalized device coord.
•		`WINDOW` *[nx ny pane]*	Divide screen into panes
•		`XFLIP`	Flip X axis
•		`YFLIP`	Flip Y axis

Drawing Graphic Elements & Text

Save	Undo	Command	Description
•	•	`AXIS` *w1 w2 minor major x y len label clock*	Draw and label an arbitrary axis
•	•	`BARGRAPH`	Draw a bar graph plot
•	•	`BOX` *[xlabel ylabel]*	Draw and label the axes
•	•	`CONNECT`	Draw a curve connecting data coordinates
•	•	`DDRAW` *xpos ypos*	Pen down move (draw) in NDC
•		`DMOVE` *xpos ypos*	Pen up move in NDC (alias for `DRELOCATE`)
•	•	`DOT`	Draw a single marker
•	•	`DRAW` *xpos ypos*	Pen down move (draw) in WC
•		`DRELOCATE` *xpos ypos*	Pen up move in NDC
•	•	`ELLIPSE` *eccentricity*	Draw an ellipse
•		`ERASE`	Erase the screen
•	•	`ERRORBAR` *direction*	Draw error bars
•	•	`GRID`	Draw lines between major axis ticks
•	•	`HISTOGRAM`	Draw a histogram plot (bar graph)
•	•	`ID`	Write identification label
•	•	`LABEL` *string*	Draw text at current position
•		`MINMAX`	Print the data range
•		`MOVE` *xpos ypos*	Pen up move (alias for `RELOCATE`)
•	•	`NUMBER`	Draw numerals for coordinate indexes
•		`PIXMAP`	Draw (render) an image (pixmap)
•	•	`POINTS`	Draw a polymarker at input data coordinates
•	•	`PUTLABEL` *just text*	Draw a label with a specified justification
•		`RELOCATE` *xpos ypos*	Pen up move in WC
•	•	`STEP`	Draw a stepped curve
•	•	`TITLE` *text*	Specify the plot title
•	•	`ULLIM`	Draw upper or lower limit symbols
•	•	`VDRAW` *xpos ypos*	Pen down move (draw) in VPC
•		`VMOVE` *xpos ypos*	Pen up move in VPC (alias for `VRELOCATE`)
•		`VRELOCATE` *xpos ypos*	Pen up move in VPC
•	•	`XLABEL` *text*	Specify the X axis label
•	•	`YLABEL` *text*	Specify the Y axis label