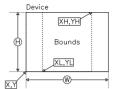
GPLOT V0.87 Command Cheat Sheet

SYSTEM		BASIC DRAV		
DEVICE	NAME [FILE [DIMENSIONS]] - Select output device [W.H[+X+Y]]	BOUNDS	Will be well of the text of th	
DEVICE	NAME TRILE TOIMENSIONS - Select output device [W.H] + X+T	BOUNDS	XL XH YL YH - Set plot bounds (user world coordinate system) XL XH YL YH - Set pane (clipping) area.	
CLEAR FILL OBEY HELP	FILE — Clear drawing / end output file, change output file name. Fill screen with colour (device dependent) NAME FARAMETER - UST — Read commands from file (nestable)	PANE	XL XH YL YH - Set pane (clipping) area.	
FILL	Fill screen with colour (device dependent)		also area in which graph will be plotted.	
OBEY	NAME [PARAMETER-LIST] - Read commands from file (nestable)	CANVAS	XL XH YL YH - Set bounds and pane (to be the same)	
HELP		UNPANE	Stop using any pane	Device
	Display status information	BLANK	XL XH YL YH - Set blank area	501100
MEMTEST	Test dynamic memory. Generate graph plotting test data NAME - Get an indirect permanent file (ignored if not on NOS) NAME - Open a command log file	UNBLANK	Stop using any blank area PANE/BLANK/BOUNDS/DEVICE — Outline an area	A
GET	NAME - Get an indirect permanent file (ignored if not on NOS)	OUTLINE	PANE/BLANK/BOUNDS/DEVICE - Outline on greg	11:
GET LOGFILE	NAME - Open a command log file	MOVE	X Y - Move to position	11:
MAXPOINTS	NUMBER - Set max data points in internal arrays (default 1000) N - Set evaluator stack size (minimum 4, default 8)	DRAW	X Y - Draw to position	1 1 1
NSTACK	N - Set analysis stack size (minimum 4 default 8)	PATH	C/O - Draw a closed / open polyline.	111
WEDELON	[N] - Version information Driet or out in china conintry N	FAIR	acceliates (cose y y prem polyme.	11:
VERSION WAIT	[N] - Version information, Print or put in string register N Wait for user response (enter) on interactive device (eps/svg ignored)	CIRCLE	coordinates from X,Y arrays (see over). X Y R - Draw circle, center X Y, radius R.	1 1 1
DECET	walt for user response (enter) on interactive device (eps/svd ignored)	ARC	X 1 R - Draw circle, center X 1, radius R.	Al i i
RESET	Reset most state to defaults. Not device or read data.	ARC	X Y R A1 A2 - Draw a circular arc, center X Y, radius R	(П) ! :
PREFIX	PATH - Set a prefix to prepend to all filenames, ignored on NOS.		start angle A1, end angle A2.	YI
EXIT	Exit GPLOT	RECT	X Y W H - Draw a rectangle, bottom left at X Y, wd W, ht H. X Y W H - Draw a rectangle, center X Y, width W, height H.	111
		CRECT	X Y W H - Draw a rectangle, center X Y, width W, height H.	111
DEVICES	7	FONT	SET FONTNAME - Font/symbols/markers to use.	11:
GTERM	Python/Qt/OpenGL based colour graphics terminal		SET FONTNAME - Font/symbols/markers to use. SET: 1 2 3 S M for 3 alphabets, symbol, marker.	11:1
TEK4K		LISTFONT	List available fonts	11:1
EPSCOL.	NAME [W.H+X+Y] — Encopsulated PostScript file (W.H.X.Y INCH) default size 5.5+0.5+0.5 inches NAME [W.H] — Scolable Vector Graphics file (W.H PIXEL)	SYMHT	HEIGHT - Text, symbol or marker height in user bounds units	* ×
EPSCOL	NAME W.H.X.+T - Encapsulated PostScript file (W.H.X.T INCH)	SYMANG	ANGLE - Text drawing angle wrt X axis (ccw degrees)	٧
	default size 5,5+0.5+0.5 inches	TEXT	TEXT - Draw text (with format control)	/"
SVG	NAME [W,H] - Scalable Vector Graphics file (W,H PIXEL)	CTEXT	TEXT - Draw text (with format control)	
	default size 800,800 pixels	CIEXI	WIDTH TEXT - Text horizontally centered on current XPOS, YPOS, scaled to WIDTH user units (0 for no scaling, use SYMHT)	X,Y
			scaled to WIDTH user units (0 for no scaling, use SYMHT)	[A, I]
COLOURS AND	CTVIEC	MARKER	NUMBER YES - Draw marker at current position	
CSGROUP AND	A STATE OF THE PROPERTY OF THE			
COCKOUP	ALL/GENERAL/TEXT/ANNOT - Colour/style group to set			
COLOUR	R G B - Set rab colour to use, range 0 to 1 WIDTH - Set line width	HIGHER DRAW	ING - TEXT BOXES	
WIDTH	WIDTH - Set line width	BOXTEXT	TEXT [X Y] - Draw text in a box with centre or bottom left	
STYLE	STYLE SOLID/DASH/DOT/DASHDOT [LEN] - Line style, dash len (all groups)	BOXIEXI	AT X,Y or at the last incremented box position. Box	TEXT STRING MARKUP CODES
			At A.r or at the last incremented box position. Box	•U Go to upo
			Position increments by specified deltas after each draw.	•L \$L Start/end
GRAPH PLOTTI	NG		Text is centered vertically and centered or flush left HORIZONTALLY, Text may have up to 5 lines separated by	•B Backspace
READ	NAME XCOL YCOL [YECOL [XECOL]] - Read a data file using columns.		HORIZONTALLY, Text may have up to 5 lines separated by	•1 •2 •3 Select a f
	NAME XCOL YCOL [YECOL [XECOL]] - Read a data file using columns NAME=HERE, use command input to EOF line		BACKSLASHES.	•1 •2 •3 Select a 1
	XCOL YCOL etc. are column numbers (1) space or comma separated	BOXPSIZE	WIDTH HEIGHT BOTLEFT - Set box size, BOTLEFT YES/NO sets.	•+ \$+ Start/end • \$- Start/end
XYPOINT	Draw xy graph with points		MEANING OF BOXTEXT X.Y NO = centre, YES = bottom left.	• \$- Start/end
YYLINE	Draw xy graph with lines	BOXPHATCH	SPACING IANGLE MODE - Hotch spacing angle (in spacings) mode:	•N Reset sub
XYLINE XYHISTOGRAM	Drow ay diode with mass		WIDTH HEIGHT BÖTLEFT — Set box size. BOTLEFT YES/NO sets. MEANING OF BOXTEX X.Y. NO = centre, YES = bottom left. SPACING IMNGLE MODE — Hatch spacing, angle (in spacings), mode: NONE-YERT/HORZ/BOTH	 O \$0 Sub/super
GRMOVE	Draw xy histogram X Y - Move to graph coords (X,Y)	BOXPTEXT		. NUM \$, DEN \$. Construct
ORMOVE	X 1 - Move to draphi coords (X,1)	DOM: ICA:	WIDTHFRAC: Fraction of box width for text in SCALE mode. NONE/OUTER/INNER/BOTH - Draw the box outline, inner box ground text.	•:nn Output sy
GRDRAW XYAUTO	X Y - Draw to graph coords (X.Y)	BOXPBOX	MONE COURTED CONTROL CONTROL OF THE	• : nn Output mi
XYAUTO	Find both axis ranges automatically	BOXPDELTAS	DX DY - Automatic box position step after every box draw.	•Vnn Output als
XRANGE				•= \$= Start/end
YRANGE	XLO YHI - Set X axis range YLO YHI - Set Y axis range			•= •= Start/end
YRANGE XYSAME	Keep previous X,Y axis ranges	LHICHED DOWN	MAC - DECORATED LINES & LARGES	•= •= Start/end
XYSAME XLINEAR	Keep previous X,Y axis ranges	HIGHER DRAV	MAC - DECORATED LINES & LARGES	•= •= Start/ena
XYSAME XLINEAR YLINEAR	Keep previous X,Y axis ranges Use linear X axis Use linear Y axis	HIGHER DRAV	MAC - DECORATED LINES & LARGES	Start/end
XYSAME XLINEAR YLINEAR	Keep previous X,Y axis ranges Use linear X axis Use linear Y axis	HIGHER DRAV	MAC - DECORATED LINES & LARGES	•= \$= Start\end
XYSAME XLINEAR YLINEAR XLOG	Keep previous X,Y axis ranges Use linear X axis Use linear Y axis	HIGHER DRAV	ING — DECORATED LINES & LABELS UNESPEC — Drow a decorated polyline defined by UNESPEC LINESPEC is a sequence of POINTSPECs separated by) characters POINTSPEC is (typeX/YAI) where x and y are bounds coords.	se s- Start/end
XYSAME XLINEAR YLINEAR XLOG YLOG	Keep previous X,Y axis ranges Use linear X axis Use linear Y axis	HIGHER DRAW	ING — DECORATED LINES & LABELS UNESPEC — Drow a decorated polyline defined by UNESPEC LINESPEC is a sequence of POINTSPECs separated by) characters POINTSPEC is (typeX/YAI) where x and y are bounds coords.	
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ommands)

RG=ANOTE.

GPLOT V0.87 Evaluator Cheat Sheet (A1 A2 -- A1 (A1 A2 -- A1 (A1 A2 -- A1 A1 = MIN(A1,A2) A1 = MAX(A1,A2) A1 = MOD(A1,A2) OR A1 = A1 % A2 A1 = (A1 (0) ? -1 : 1 ARRAY TO A LITERAL CONSTANT. TO X RANGE ARRAY. TO PI. TO E. TO ITERATION NUMBER FROM ITE TO THE ARRAY ELEMENT INDEX. TO 2 PI. TO PI / 2) E.) ITERATION NUMBER FROM ITEVAL. 1 IF IN EVAL) THE ARRAY ELEMENT INDEX.) 2 PI.) PI. / 2 A1 -- A1) A1 A2 -- A1 A2 A3 A1 = 1 WHERE I A3 = (A1) A2) A3 = (A1 (A2) A3 = (A1 (A2) A3 = (A1 = A2) A3 = (A1 = A2) A3 = (A1 = A2) A1 = (A1 = 0) A3 = (A3 = 0) WHERE INT(A1) IS ODD ELSE O LE GE NE NO SEL = A2) = A2) A1 A2 -- A2 A1) SWAP OR EXCHANGE TOP 2 STACK ARRAYS. DUPLICATE TOP OF STACK GET STACK LEVEL AT DEPTH C1 INTO TOP OF STACK POP TOP OF STACK == A2) = A2) == 0) AN .. C1 -- AN FOR TOP OF STACK COERMITE ABOVE, GRAPH X VALUES WITH STACK TOP VALUES; X = A1 OVERWITH, BANGE, GRAPH X VALUES WITH STACK TOP VALUES; Y = A1 OVERWITH, BANGE, GRAPH X VALUES WITH STACK Z = C1...Z, TO C1-1c3 in C 2 TES Z = C1...Z, TO C1-1c3 in C 2 TES Z = LODG(2) C2. C2 = C1 /C2): 10 TO 2 D NIDEX CONVERT, D BASED. C1-MOD(C1 C2.1): C2 = C1 /C2): 11 TO 2 D NIDEX CONVERT, D BASED. C1-MOD(C1 C2.1): C2 = C1 /C2): 11 TO 2 D NIDEX CONVERT, D BASED. THE STACK A1 -- A1 MOVE TO (CLC22) DAWN CREATER CLC2 RABIUS CA. DAWN CREATER CA. DAWN CREATER CLC2 RABIUS CA. DAWN CREATER CREATER CLC2 RABIUS CA. DAWN CREATER CREATER CLC2 RABIUS CA. DAWN CREATER CREATER CREATER CREATER APPABET SET TOT CREATER WITCOCC I FROM CREATER AP (A1 A2 -- A1 (A1 -- A1) C1 C2 C1 C2 C1 C2 C1 C3 C1 ---C1 --A1 A2 A1 A2 A1 A2 C1 C2 A1 = SIN(A1) A1 = COS(A1) SIN COS TAN ASIN ACOS ATAN SINH COSH TANH SORT LOG LG10 LG22 EXP RANC SEED -- A1 A2) C4 -- A1 A2 C4 -- A1 A2 C4 -- A1 A2 A1 -- A1 A1 -- A1 A1 = TAN(A1 A1 -- A1 TRUNCATION A1 = INT(A1) FRACTIONAL PART A1 = FRAC(A1) A1 = FLOOR(A1) A1 = CEILING(A1) A1 -- A1 A1 -- A1 A1 -- A1 A1 -- A1 (A1 -- A1 (C1 --) (C1 C2 -- C1 STORE A1(1) (A.K.A. C.1) IN REGISTER C. RECALL COUST GALE FROM REGISTER MIT(C.1) FRINT TOS ARRAY FIRST MAND REST ELEMENTS FRINT ELEMENTS C.2 TO C.3 OF A1 IN FREE FORMAT FRINT C.1 (TOS A1(1)) IN FREE FORMAT FRINT ALL STACK LEVELS FRIST MAND LAST ELEMENTS CONVERT RADIANS TO DEGREES CONNERT RADIANS TO DEGREES CONNERT DEGREES TO RADIANS STO or = RCL or (HASH) A1 C2 -- A1) C1 -- C1) A1 C2 C3 -- A1) C1 -- C1) --) A1 -- A1 } et by MAXPOINTS NDATA NELEM Set by READ Set by ERANGE/SETX/XLIN/XLOG Scalar value registers 60 (or 32) bit reals Set by NSTACK Usage by evaluator Usage for graph plotting Set by STO, RCL Procedure registers 80 characters 151.15 Y/lower Y error bars Υ Y function values, can SETY Set by PROC, LDPROC, Use by @N NDATA String registers 80 characters X values set by ERANGE/SETX/XLIN/XLOG NELEM Set by STRING Stack of arrays used both for araph point data and by evaluator Registers for specific purposes