

Name	Description	Arguments	Uses
ACEN	Calculates X and Y coordinates of the point at the center of the rectangle that bounds the keypoints attached to the selected areas.	arg1: <i>xcParmName</i> name of the parameter (STR) to which the X coordinate will be assigned arg2: <i>ycParmName</i> name of the parameter (STR) to which the Y coordinate will be assigned	NBACKUP NRESTORE
ARR2PTH	Puts values of an array into the active path under a given label.	arg1: <i>valueArrName</i> name of the 1-D array parameter containing the values arg2: <i>itemName</i> label for these values in the path definition arg3: <i>tableColIndex</i> number of the column at which the values will be placed in the path table	ARR2PTH
CLIMS	Sets scale limits for contour display.	arg1: <i>minContour</i> minimum value for contour scale arg2: <i>maxContour</i> maximum value for contour scale arg3: <i>greyExceeding</i> controls coloring of values outside min/max limits: 0 - Values below min are colored BLUE, above min are colored RED 1 - Values below min or above max are colored GREY	-
COMPARE	Applies a comparison operator to a selected number of arguments and stores the result in the parameter <i>arg1</i> .	arg1: <i>parm</i> parameter name (string) to which the resulting value will be written arg2: <i>oper</i> comparison operator (string) to be applied to the numerical values. Available operators: 'MIN' - returns the smallest value (signed) 'MAX' - returns the largest value (signed) 'MEAN' - returns the mean of all values 'SUM' - returns the sum of all values 'ABSMAX' - returns the largest absolute value 'ABSMIN' - returns the smallest absolute value 'SABSMAX' - use ABS to calculate MAX, but return signed value 'SABSMIN' - use ABS to calculate MIN, but return signed value arg3: <i>argCount</i> number of arguments to be included in the comparison arg4-ar19: <i>num1-num15</i> numerical values to be compared	-

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CPATH	Creates a circular path of a given radius centered about given X and Y coordinates.	arg1: <i>xCenter</i> X coordinate of circular path's center arg2: <i>yCenter</i> Y coordinate of circular path's center arg3: <i>radius</i> path radius	-
DSPNDIST	Calculates the distance between a node's displaced position (in the X-Y plane) and a reference point defined by given X and Y coordinates. Reference point coordinates must be relative to the active CSYS/RSYS.	arg1: <i>parm</i> name of the parameter (STR) to which the distance will be attributed arg2: <i>nodeNum</i> number of the node for which displaced distance will be calculated arg3: <i>xOffset</i> X coordinate of the reference point arg4: <i>yOffset</i> Y coordinate of the reference point	-
ENDPNG	Reverts display to default device, closing PNG file opened by 'GO2PNG' subroutine.	arg1: <i>name</i> name of the image file generated	-
GO2PNG	Redirects output to PNG file. Must be followed by 'ENDPNG' to complete image capture.	arg1: <i>res</i> image resolution (default = 2400) arg2: <i>VectorMode</i> activates (1) or deactivates (0) vector mode for plot capture	-
NBACKUP	Creates a node named selection component to serve as a backup of currently selected nodes. Usually followed by 'NRESTORE' command to restore backed up nodal selection.	-	-
NRESTORE	Selects nodes stored in named node selection component created by 'NBACKUP'.	-	-
PTH2ARR	Transfers values from one of the current PATH'S columns (LABEL) to an ARRAY.	arg1: <i>itemLabel</i> label of path column containing desired result arg2: <i>outputParm</i> name of the output parameter (defaults to 'PTH2ARR ARR output')	-

Name	Description	Arguments	Uses
TAKEPIC	Captures the image currently displayed on the screen. Resolution, file name, vector display and file format can be set using the arguments.	arg1: <i>FileName</i> name of the output file arg2: <i>FileSize</i> image resolution (default = 2400) arg3: <i>VectorMode</i> vector display (wireframe): 0 - No change 1 - Force wireframe 2 - Force raster arg4: <i>graphMode</i> graphical display type (command /graphics): 0 - No change 1 - FULL 2 - PowerGraphics arg5: <i>fileExt</i> image file format 0 - PNG 1 - JPEG	-