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Other *V Functions

- *VABS, KABSR, KABS1, KABS2, KABSS
— Applies the absolute value function to array parameters.
- *VCOL, NCOL 1, NCOL2
— Specifies the number of columns in matrix operations
- *VCUM, KEY
— Allows array parameter results to add to existing results.
- *VEDIT, Par
— Allows numerical array parameters to be graphically edited.
- *VFACT, FACTR, FACT1, FACT2, FACT3
— Applies a scale factor to array parameters.
- *VFILL, ParR, Func, CON1, CON2, CON3, CON4, ..., CON10
— Fills an array parameter.
- *VFUN, ParR, Func, Par1, CON1, CON2, CON3
— Performs a function on a single array parameter.
- *VITRP, ParR, ParT, Par1, ParJ, ParK
— Forms an array parameter by interpolation of a table.
- *VLEN, NROW, NINC
— Specifies the number of rows to be used in array parameter operations.
- *VMASK, Par
— Specifies an array parameter as a masking vector.
- *VOPER, ParR, Par1, Oper, Par2, CON1, CON2
— Operates on two array parameters.
- *VPLOT, ParX, ParY, Y2, Y3, Y4, Y5, Y6, Y7, Y8
— Graphs columns (vectors) of array parameters.
- *VREAD, ParR, FName, Ext, Dir, Label, n1, n2, n3, NSKIP
— Reads data and produces an array parameter vector or matrix.
- *VSCFUN, ParR, Func, Par1
— Determines properties of an array parameter.
- *VSTAT
— Lists the current specifications for the array parameters.
- *VWRITE, Par1, Par2, Par3, Par4, ..., Par10
— Writes data to a file in a formatted sequence.

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*VPUT, Parname, Column1, Column2, Column3 *VGET, Parname, Column1, Column2, Column3

/PREP7		*VGET		*VPUT	
NODE,n	LOC	X,Y,Z	TLAB -- See help files	POST1	POST1
*	ANG	XY,YZ,XZ,THXY,THYZ,THZX	U	X,Y,Z	U
*	NSEL		ROT	X,Y,Z	ROT
ELEM,n	NODE	1,2,-20	TEMP	X,Y,Z,SUM	TEMP
*	CENT	X,Y,Z	PRES	X,Y,Z,SUM	PRES
*	ADJ	1,2,-6	VOLT		VOLT
*	ATTR	MAT,TYPE,REAL,ESYS,ENAM,SECN	MAG		MAG
*	GEOM		V	X,Y,Z	V
*	ESEL	ANGD,ASPE,JACR,MAXA,PARA,WARP	A	X,Y,Z	A
KP,n	LOC	X,Y,Z	CURR	X,Y,Z	CURR
*	ATTR	MAT,TYPE,REAL,ESYS,NODE,ELEM	EMF		EMF
*	DIV		ENKE		ENKE
*	KSEL		ENDS		ENDS
LINE,n	KP	1,2	S	X,Y,Z,XY,Y	S
*	ATTR	MAT,TYPE,REAL,ESYS,NNOD,NELM	EPTOP	X,Y,Z,XY,Y	EPTOP
*	AREA		EPEL	X,Y,Z,XY,Y	EPEL
*	ASEL		EPLL	X,Y,Z,XY,Y	EPLL
*	ASEL		EPCR	X,Y,Z,XY,Y,ETAB,n	EPCR
AREA,n	LOOP	1,2,...	EPTH	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	EPTH
*	LINE	1,2,...	EPSW		EPSW
*	ATTR	MAT,TYPE,REAL,ESYS,NNOD,NELM	NL	SEPL	NL
*	AREA		SRAT	SRAT	SRAT
VOLU,n	SHELL	1,2,...	HPRES	HPRES	HPRES
*	AREA		EPEQ	EPEQ	EPEQ
*	AREA	1,2,...	PSV	PSV	PSV
*	ATTR	MAT,TYPE,REAL,ESYS,NNOD,NELM	PLWK	PLWK	PLWK
*	VOLU		HS	X,Y,Z	TG
*	VSEL		BFE	TEMP	TF
CDSY,cs#	LOC	X,Y,Z	TG	X,Y,Z,SUM	PG
*	ANG	XY,YZ,XZ,THXY,THYZ,THZX	TF	X,Y,Z,SUM	EF
*	ATTR	KCS,KTHET,KPHI,PAR1,PAR2	PG	X,Y,Z,SUM	D
RCON,n	CONST	1,2,...	EF	X,Y,Z,SUM	H

Get Functions

Entity Status	Locations	Locations, cont'd	Nearest Entity, cont'd	Connectivity	Results cont'd	Data base manager	Other, cont'd	File names
NSEL(N)	CENTRX(E)	LSX(L,FRAC)	KNEAR(K)	ENEXT(N,LOC)	ROTZ(N)	VIRTINQR(1)	CHROCT (dp)	(directory, 'filename', extension)
ESEL(E)	CENTRY(E)	LSZ(L,FRAC)	ENEARN(M)	NELEM(E,MPOS)	TEMP(N)	VIRTINQR(4)	CHRHEX(dp)	Path String = JOIN ('directory', 'filename')
KSEL(K)	CENTRZ(E)	Nearest	Areas	Faces	PRES(N)	VIRTINQR(7)	Strings	SPLIT('PathString', 'DIR')
ESEL(L)	NX(N)	NODE(X,Y,Z)	AREAND(N1,N2,N3)	ELADJ(E,FACE)	VX(N)	VIRTINQR(8)	StrOut = STRSUB (Str1, nLoc, nChar)	SPLIT('PathString', 'FILE')
ASEL(A)	NY(N)	KP(X,Y,Z)	AREAKP(K1,K2,K3)	NDFACE(E,FACE,LOC)	VY(N)	VIRTINQR(9)	StrOut = STRCAT (Str1, Str2)	SPLIT('PathString', 'NAME')
VSEL(V)	NZ(N)	Distances	ARNODE(M)	NMFACE(E)	VZ(N)	VIRTINQR(11)	StrOut = STRFILL (Str1, Str2, nLoc)	SPLIT('PathString', 'EXT')
Next Selected	KX(K)	DISTND(N1,N2)	Normals	ARFACE(E)	ENKE(N)	Filtering keywords.	StrOut = STRCOMP (Str1)	
NDNEXT(N)	KY(K)	DISTKP(K1,K2)	NORMNX(N1,N2,N3)	Results	ENDS(N)	KWGET(KEYWORD)	StrOut = STRLEFT (Str1)	
ELNEXT(E)	KZ(K)	DISTEN(E,N)	NORMNY(N1,N2,N3)	UX(N)	VOLT(N)	Other	nLoc = STRPOS (Str1, Str2)	
KPNEXT(K)	LX(L,FRAC)	ANGLE(N1,N2,N3)	NORMNZ(N1,N2,N3)	UY(N)	MAG(N)	VALCHR(a8)	nLoc = STRLENG (Str1)	
LSNEXT(L)	LY(L,FRAC)	ANGLEK(K1,K2,K3)	NORMKX(K1,K2,K3)	UZ(N)	AX(M)	VALOCT (a8)	StrOut = UPCASE (Str1)	
ARNEXT(A)	LZ(L,FRAC)	Nearest Entity	NORMKY(K1,K2,K3)	ROTX(N)	VALHEX(a8)		StrOut = LWCASE (Str1)	
VLNEXT(V)	LSX(L,FRAC)	NNEAR(N)	NORMKZ(K1,K2,K3)	ROTY(N)	CHRVAL (dp)			

