

For Training and Services call
1-800-293-PADT
www.padtinc.com

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.

ANSYS Training Classes

- Taught by Experienced Engineers
- Intro, Intermediate and Advanced
- Hard to Find Classes like Multiphysics, Customization and EMAG
- Onsite and Custom Classes

Tempe, AZ - Irvine, CA - Onsite

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

*VGET		*VPUT	
/PREP7 NODE,n	/POST1 TLAB -- See help files NODE,n U	/POST1 NODE,n U	/POST1 NODE,n B
LOC	X,Y,Z	X,Y,Z	X,Y,Z
* ANG	XY,YZ,XZ,THXY,THYZ,THZX	X,Y,Z	X,Y,Z
* NSEL	ROT	X,Y,Z	X,Y,Z
ELEM,n	1,2,-20	X,Y,Z,SUM	X,Y,Z,SUM
* CENT	X,Y,Z	X,Y,Z,SUM	X,Y,Z,SUM
* ADJ	1,2,-6	X,Y,Z,SUM	X,Y,Z,SUM
* ATTR	MAT,TYPE,REAL,ESYS,ENAM,SECN	X,Y,Z	X,Y,Z
* GEOM	V	X,Y,Z	X,Y,Z
* ESEL	ANGD,ASPE,JACR,MAXA,PARA,WARP	X,Y,Z	X,Y,Z
* LOC	X,Y,Z	X,Y,Z	X,Y,Z
* KP,n	MAT,TYPE,REAL,ESYS,NODE,ELEM	X,Y,Z	X,Y,Z
* DIV	SHPAR	X,Y,Z	X,Y,Z
* KSEL	LOC	X,Y,Z	X,Y,Z
* KP	DIV	X,Y,Z	X,Y,Z
* LINE,n	1,2	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* ATTR	MAT,TYPE,REAL,ESYS,NNOD,NELM	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* AREA	AREA	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* ASEL	ASEL	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* LOOP	LOOP	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* LINE	LINE	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* ATTR	MAT,TYPE,REAL,ESYS,NNOD,NELM	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* AREA	AREA	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* SHELL	SHELL	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* AREA	AREA	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* ATTR	MAT,TYPE,REAL,ESYS,NNOD,NELM	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* VOLU	VOLU	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* VSEL	VSEL	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* LOC	LOC	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* ANG	ANG	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* ATTR	KCS,KTHET,KPHI,PAR1,PAR2	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y
* CONST	CONST	X,Y,Z,XY,YZ,XZ,1,2,3,INT,EQV	X,Y,Z,XY,Y

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(M)	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')
LSEL(L)	NX(N)	NODE(X,Y,Z)	AREAND(M1,M2,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(M1,M2)	Normals	ARFACE(E)	ENKE(N)	Filtering keywords.	StrOut = STRCOMP (Str1)	
NDNEXT(N)	KY(K)	DISTKP(K1,K2)	NORMNX(M1,M2,N3)	Results	ENDS(N)	KWGET(KEYWORD)	StrOut = STRLEFT (Str1)	
ELNEXT(E)	KZ(K)	DISTEN(E,N)	NORMNY(M1,M2,N3)	UX(N)	VOLT(N)	Other	nLoc = STRPOS (Str1, Str2)	
KPNEXT(K)	LX(L,FRAC)	ANGLEN(M1,M2,N3)	NORMNZ(M1,M2,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)	AY(M)	VALHEX(a8)	StrOut = LWCASE (Str1)	
VLNEXT(V)	LSX(L,FRAC)	NNEAR(N)	NORMKZ(K1,K2,K3)	ROTY(N)	AZ(N)	CHRVAL (dp)		

