

VECTOR ARROW**PURPOSE**

Specifies the following two attributes for the arrow heads on vector plots:

1. Whether the base of the triangle that forms the arrow head is drawn or not;
2. Whether the arrow heads are drawn at a fixed size or proportional to the largest vector.

SYNTAX 1

VECTOR ARROW <FIXED/VARIABLE>

where FIXED specifies that all the arrow heads are drawn the same size and VARIABLE specifies that the arrow heads are drawn proportional to the longest vector.

For VARIABLE, the arrow head corresponding to the largest vector length is drawn at the size given by the CHARACTER SIZE (or CHARACTER HW) command. All other vectors multiply the character size by the ratio

vector length / maximum vector length

SYNTAX 2

VECTOR ARROW <OPEN/CLOSED>

where CLOSED specifies that the base of the arrow head is drawn while OPEN specifies that it is not.

EXAMPLES

```
VECTOR ARROW OPEN
VECTOR ARROW CLOSED
VECTOR ARROW FIXED
VECTOR ARROW VARIABLE
```

DEFAULT

Vectors are drawn with a fixed size and with the base.

SYNONYMS

None

RELATED COMMANDS

VECTOR PLOT	=	Generates a vector plot.
VECTOR FORMAT	=	Specifies the data format for vector plots.

APPLICATIONS

Vector plots

IMPLEMENTATION DATE

92/8

PROGRAM

```
READ Y1 X1 Y2 X2
0.1000000E+02 -0.1524000E+02 0.1051449E+02 -0.1734317E+02
0.1000000E+02 -0.1397000E+02 0.1094621E+02 -0.1644858E+02
0.1000000E+02 -0.1143000E+02 0.1378484E+02 -0.1588376E+02
0.1000000E+02 -0.1016000E+02 0.1672586E+02 -0.1649936E+02
0.1000000E+02 -0.8890000E+01 0.1808503E+02 -0.1553822E+02
0.1000000E+02 -0.7620000E+01 0.1995356E+02 -0.1463254E+02
0.1000000E+02 -0.6350000E+01 0.2206867E+02 -0.1353830E+02
0.1000000E+02 -0.5080000E+01 0.2215228E+02 -0.1128796E+02
0.1000000E+02 -0.3810000E+01 0.1978718E+02 -0.8024862E+01
0.1000000E+02 -0.2540000E+01 0.1635728E+02 -0.4799302E+01
0.1000000E+02 -0.1270000E+01 0.1361335E+02 -0.2298972E+01
0.1000000E+02 0.0000000E+00 0.1239326E+02 -0.5136330E+00
0.1000000E+02 0.1270000E+01 0.1173628E+02 0.1501220E+01
0.1000000E+02 0.2540000E+01 0.1153493E+02 0.2589486E+01
```

```

0.1000000E+02  0.3810000E+01  0.1203320E+02  0.3974670E+01
0.1000000E+02  0.5080000E+01  0.1404934E+02  0.5650798E+01
0.1000000E+02  0.6350000E+01  0.1606889E+02  0.7883220E+01
0.1000000E+02  0.7620000E+01  0.1955596E+02  0.1140826E+02
0.1000000E+02  0.8890000E+01  0.2272479E+02  0.1506554E+02
0.1000000E+02  0.1016000E+02  0.2338944E+02  0.1776808E+02
0.1000000E+02  0.1143000E+02  0.2053801E+02  0.1859783E+02
0.1000000E+02  0.1270000E+02  0.1738284E+02  0.1887298E+02
0.1000000E+02  0.1397000E+02  0.1535987E+02  0.1946041E+02
0.1000000E+02  0.1524000E+02  0.1346489E+02  0.1979359E+02
END OF DATA
CHARACTER VECTOR ALL; CHARACTER HW 3.0 6.0 ALL
VECTOR FORMAT POINT
MULTIPLY 2 2; MULTIPLY CORNER COORDINATES 0 0 100 100
VECTOR ARROW OPEN
VECTOR ARROW FIXED
TITLE VECTOR ARROW OPEN, FIXED
VECTOR PLOT Y1 X1 Y2 X2
VECTOR ARROW CLOSED
VECTOR ARROW FIXED
TITLE VECTOR ARROW CLOSED, FIXED
VECTOR PLOT Y1 X1 Y2 X2
VECTOR ARROW CLOSED
VECTOR ARROW VARIABLE
TITLE VECTOR ARROW CLOSED, VARIABLE
VECTOR PLOT Y1 X1 Y2 X2
VECTOR ARROW OPEN; VECTOR ARROW VARIABLE
TITLE VECTOR ARROW OPEN, VARIABLE
VECTOR PLOT Y1 X1 Y2 X2
END OF MULTIPLY
    
```

