

VECTOR FORMAT

PURPOSE

Specifies the format of the data for the VECTOR PLOT command.

DESCRIPTION

Vectors can be defined in three ways:

1. As a pair of points;
2. As a starting point and the change in the vertical and horizontal directions;
3. As a starting point and an angle and a vector length.

SYNTAX

VECTOR FORMAT <POINT/DELTA/ANGLE>

where POINT specifies a pair of points, DELTA specifies a starting point and horizontal and vertical changes, and ANGLE specifies a starting point and an angle and a vector length.

EXAMPLES

VECTOR FORMAT POINT
VECTOR FORMAT DELTA
VECTOR FORMAT ANGLE

DEFAULT

Vectors are specified as pairs of points.

SYNONYMS

None

RELATED COMMANDS

VECTOR PLOT = Generates a vector plot.

APPLICATIONS

Vector plots

IMPLEMENTATION DATE

92/8

PROGRAM

```
READ Y1 X1 Y2 X2
```

```

0.100000E+02  -0.152400E+02  0.1051449E+02  -0.1734317E+02
0.100000E+02  -0.139700E+02  0.1094621E+02  -0.1644858E+02
0.100000E+02  -0.114300E+02  0.1378484E+02  -0.1588376E+02
0.100000E+02  -0.101600E+02  0.1672586E+02  -0.1649936E+02
0.100000E+02  -0.889000E+01  0.1808503E+02  -0.1553822E+02
0.100000E+02  -0.762000E+01  0.1995356E+02  -0.1463254E+02
0.100000E+02  -0.635000E+01  0.2206867E+02  -0.1353830E+02
0.100000E+02  -0.508000E+01  0.2215228E+02  -0.1128796E+02
0.100000E+02  -0.381000E+01  0.1978718E+02  -0.8024862E+01
0.100000E+02  -0.254000E+01  0.1635728E+02  -0.4799302E+01
0.100000E+02  -0.127000E+01  0.1361335E+02  -0.2298972E+01
0.100000E+02  0.000000E+00  0.1239326E+02  -0.5136330E+00
0.100000E+02  0.127000E+01  0.1173628E+02  0.1501220E+01
0.100000E+02  0.254000E+01  0.1153493E+02  0.2589486E+01
0.100000E+02  0.381000E+01  0.1203320E+02  0.3974670E+01
0.100000E+02  0.508000E+01  0.1404934E+02  0.5650798E+01
0.100000E+02  0.635000E+01  0.1606889E+02  0.7883220E+01
0.100000E+02  0.762000E+01  0.1955596E+02  0.1140826E+02
0.100000E+02  0.889000E+01  0.2272479E+02  0.1506554E+02
0.100000E+02  0.101600E+02  0.2338944E+02  0.1776808E+02
0.100000E+02  0.114300E+02  0.2053801E+02  0.1859783E+02
0.100000E+02  0.127000E+02  0.1738284E+02  0.1887298E+02
0.100000E+02  0.139700E+02  0.1535987E+02  0.1946041E+02
0.100000E+02  0.152400E+02  0.1346489E+02  0.1979359E+02

```

```
END OF DATA
```

```
CHARACTER VECTOR ALL; CHARACTER HW 0.3 0.6 ALL
```

```
VECTOR ARROW OPEN; VECTOR FORMAT POINT; TITLE AUTOMATIC
```

```
VECTOR PLOT Y1 X1 Y2 X2
```

