GROUND

**PURPOSE**

Draws a ground (a component used in electronic circuit diagrams).

**DESCRIPTION**

The 2 pairs of coordinates define the (x,y) values for the entry point and the tip (respectively) of the ground.

**SYNTAX**

GROUND \(<x1>\) \(<y1>\) \(<x2>\) \(<y2>\)

where \(<x1>\) is a number or parameter in the decimal range 0 to 100 that specifies the x coordinate for the entry point of the ground;

\(<y1>\) is a number or parameter in the decimal range 0 to 100 that specifies the y coordinate for the entry point of the ground;

\(<x2>\) is a number or parameter in the decimal range 0 to 100 that specifies the x coordinate for the tip of the ground;

and \(<y2>\) is a number or parameter in the decimal range 0 to 100 that specifies the y coordinate for the tip of the ground.

**EXAMPLES**

GROUND 50 50 50 30
GROUND 30 30 30 25
GROUND 40 80 40 85
GROUND \(X1\) \(Y1\) \(X2\) \(Y2\)

**NOTE**

The line style (i.e., solid, dash), color, and thickness of the ground are controlled by the LINE, LINE COLOR, and LINE THICKNESS commands.

**DEFAULT**

None

**SYNONYMS**

None

**RELATED COMMANDS**

<table>
<thead>
<tr>
<th>COMMAND</th>
<th>DESCRIPTION</th>
</tr>
</thead>
<tbody>
<tr>
<td>AMPLIFIER</td>
<td>Draws an amplifier.</td>
</tr>
<tr>
<td>CAPACITOR</td>
<td>Draws a capacitor.</td>
</tr>
<tr>
<td>INDUCTOR</td>
<td>Draws an inductor.</td>
</tr>
<tr>
<td>RESISTOR</td>
<td>Draws a resistor.</td>
</tr>
<tr>
<td>DRAW</td>
<td>Draws a line.</td>
</tr>
<tr>
<td>MOVE</td>
<td>Moves to a point.</td>
</tr>
<tr>
<td>LINE</td>
<td>Sets the line type for figures and plot lines.</td>
</tr>
<tr>
<td>LINE THICKNESS</td>
<td>Sets the line thickness for figures and plot lines.</td>
</tr>
<tr>
<td>LINE COLOR</td>
<td>Sets the line colors for figures and plot lines.</td>
</tr>
<tr>
<td>CROSS-HAIR</td>
<td>Activates and reads the cross-hair.</td>
</tr>
<tr>
<td>TEXT</td>
<td>Writes a text string.</td>
</tr>
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</table>

**APPLICATIONS**

Electronic circuit diagrams

**IMPLEMENTATION DATE**

Pre-1987
PROGRAM
  LINE SOLID
  LINE COLOR BLACK
  LINE THICKNESS 0.2
  GROUND 20 70 50 70
  MOVE 20 90
  TEXT GROUND COORDINATES (20,70), (50,70)