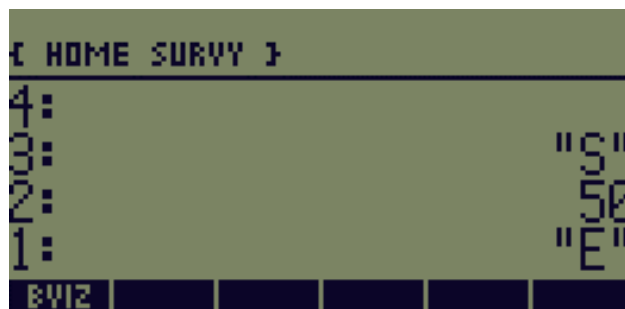


Bearing Visualizer Instructions

Warning! Bearing Visualizer will alter the plot parameters and erase the stored plot equation for the directory in which it is loaded. Therefore, it is recommended that you load it in its own directory (see *HP 48G Series User's Guide* for more information).

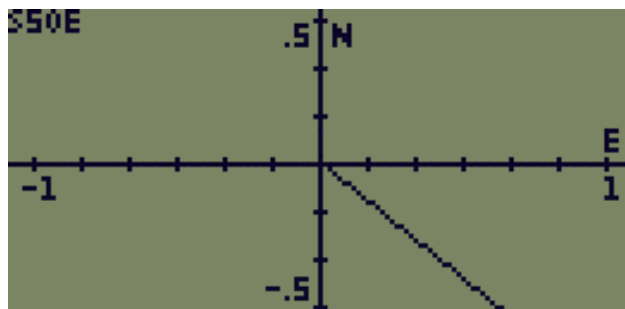
For the beginning surveying student, it is often difficult to visualize bearings written in a deed description. Such calls as, "Thence North 72° West 690 varas," can bring about confusion. Bearing Visualizer lets students see bearings plotted on their HP-48G or GX calculators, thus allowing them to gain confidence in their abilities.

For example, to plot the bearing South 50° East, enter data on the stack as shown below:



Level 3 is always the reference direction ("N" or "S"), Level 2 is the offset angle in degrees (between 0 and 90), and Level 1 is always "E" or "W." There is no need to worry about minutes and seconds for the offset angle, just round it off to the nearest whole number.

After the bearing is entered on the stack, press the BVIZ softkey (or the softkey for whatever name you have given the program). The resulting plot is shown below:



The surveyor begins at the origin, and walks along the plotted line (away from the origin) to follow his bearing. The plotted bearing is usually accurate to within a few degrees. Hit any numeric key to exit the plot display and return to the stack. Note: if the clock display is on, it may interfere with the plot.