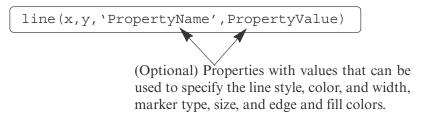
properties and formatting (see Section 5.4) if any was done. Additional graphs can be added with plot commands that are typed next. Each plot command creates a graph that is added to that figure. The hold off command stops this process. It returns MATLAB to the default mode, in which the plot command erases the previous plot and resets the axis properties.

As an example, a solution of Sample Problem 5-1 using the hold on and hold off commands is shown in the following script file:

5.3.3 Using the line Command

With the line command additional graphs (lines) can be added to a plot that already exists. The form of the line command is:



The format of the line command is almost the same as the plot command (see Section 5.1). The line command does not have the line specifiers, but the line style, color, and marker can be specified with the Property Name and property value features. The properties are optional, and if none are entered MATLAB uses default properties and values. For example, the command:

```
line(x,y, 'linestyle', '--', 'color', 'r', 'marker', 'o')
```

will add a dashed red line with circular markers to a plot that already exists.

The major difference between the plot and line commands is that the plot command starts a new plot every time it is executed, while the line command adds lines to a plot that already exists. To make a plot that has several graphs, a plot command is typed first and then line commands are typed for additional graphs. (If a line command is entered before a plot command, an error message is displayed.)