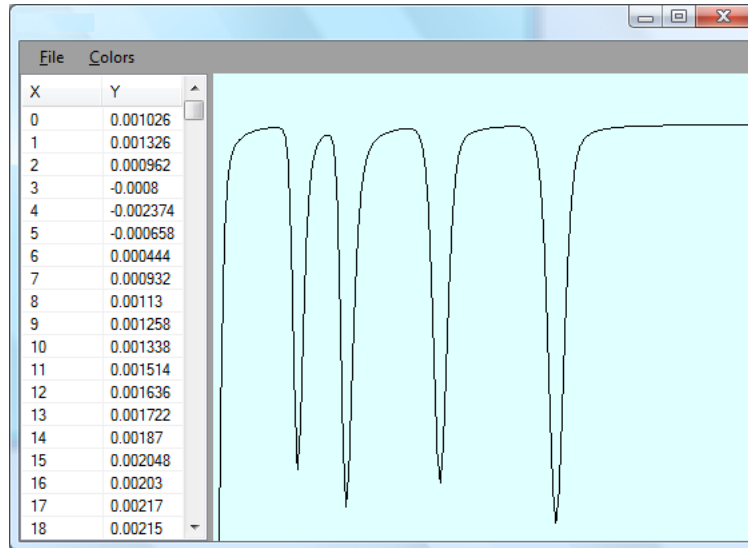**Lab 4**

Purpose: To use the graphics objects and methods to draw a Cartesian coordinate XY plot from a data file of points. Here is a sample screen-shot of plotting a graph:

Note: The data is scaled to fit the screen and translated into Cartesian coordinates from the Windows coordinate system. The View of the data on the left side of the screen can be either a List-View, Table, or any control that handles multi-column lists. Here is a sample excerpt from the data-file that produced the above graph:

```
0.001026
0.001326
0.000962
-0.0008
-0.002374
-0.000658
0.000444
0.000932
0.00113
0.001258
```

The data has one entry for each Y coordinate in the graph. The X coordinates for the Y coordinates are equally spaced time intervals. Be able to plot any of the data sets in the lab materials folder.

Note: In class I mentioned that Java supports the same imaging 2D graphics capabilities that C# does. It appears that while it does, it's not as easy to use. Consequently, scale, rotate and transform the lines with any Java drawing techniques.