Copying and Pasting Data:

DataExplorer is capable of parsing a wide variety of ASCII formated data. If you copy ASCII text to the Pasteboard. It is likely that you can paste it into a *DataExplorer* document. Let's first note how the selection works. You may select multiple Columns by shift clicking the title bars or you may select data in an individual Column - not both. You also may not select a few data items in one Column and then a few in another. (After working with selection for a bit you'll relize we did this to keep you sane.) If you paste ASCII data with Columns selected *DataExplorer* will attempt to paste over them. The only type of data you may paste into the cells in a Column is data copied from the cells in

a Column. Pasting in cells will paste over any selected cells in the Active Column. (In fact if you have a broken range of Columns or cells selected *DataExplorer* will paste the data in the Pasteboard over each of the selected ranges.)

Bring up a new document (or use the default document) to try some of the following examples.

Select any of the sets of data below and paste it into your document. Try doing it with various items in the document selected. (These are only a few examples of the format your data may be in).

Example 1

```
1.1     -2.4
3       4
5       6.002
```

Example 2

```
1.1,    -2.4,   34.3
3,      4,      .4
5,      6.002,  4.
```

Example 3 (*Mathematica* data)

```
{{1.1, -2.4, 34.3},
{3, 4, .4},
{5, 6.002, 4.}}
```

Example 4 (plot data)

If you have the application *PlotEditor* installed on your system the file below will appear with a plot icon. If it appears with an *Edit* icon do not try to open it. This is the same kind of plot that can be loaded and saved with *DataExplorer*. Note that by selecting the marker for a data set in the legend you may copy the data set from the plot by selecting the *Copy* menu item. This data set can be pasted into other plots (including the plots in *DataExplorer*) and also into a *DataExplorer* document where it appears as two Columns of data. Try it out.

/Users/class94/holschdm/C/OOPS/TestPlot.plot¬
For the benefit of those without *PlotEditor* here is a *PostScript™* version of the plot.

EPS0.eps ¬
Example 5 (a plot)

You may also paste in entire plots. Simply bring up a new plot by selecting the *NewPlot* menu item and paste over the plot with the one you have in the Pasteboard. Several Rose-Hulman applications, *PeriodicTable*, *PlotEditor*, *Inclination*, *PhysicsWorld*, *DataExplorer*, will let you copy a plot from them by clicking on the plot and then selecting *Copy* from the menu.

Example 6

The following shows a document with   a broken selection of cells in the Active Column A. Selecting *Copy* puts the cells onto the Pasteboard in two forms - ASCII and a type known to *DataExplorer*. The ASCII type lets you paste the ASCII data into any accepting application.   The *DataExplorer* type lets you paste into *DataExplorer*. Selecting *Cut* will attempt to delete the cells after copying them. The Columns work in the same manner.

Let's say we had just cut a 2.0 from the end of Column B and then made the selection that you see here:

TIFF2.tiff ¬

If we paste the 2.0 we'll get the following:

TIFF3.tiff ¬

Try using *Copy, Cut, Paste,* and *Delete* with various selections in the document to get a feel for how it works.