# 6 AVS/Express examples

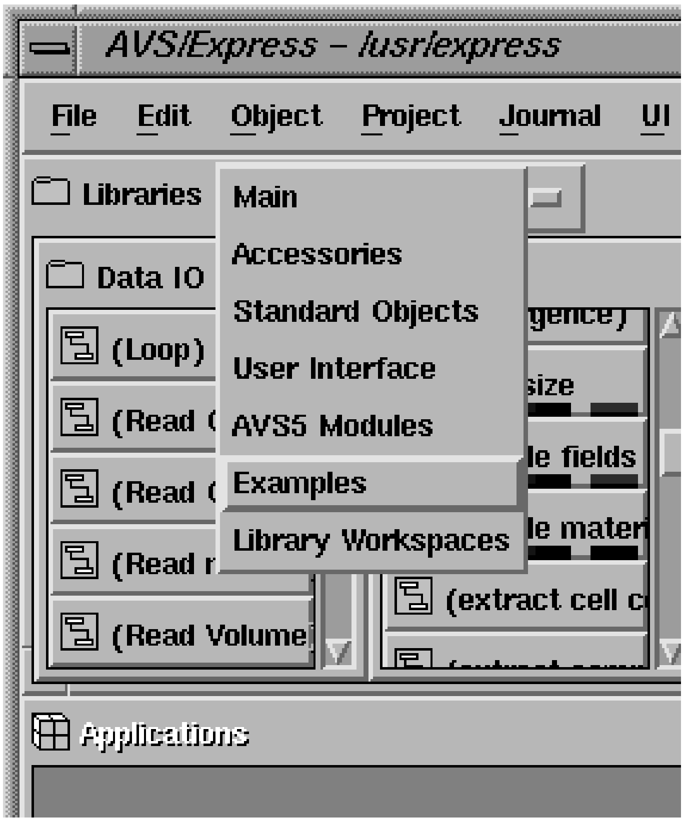
## 6.1 Aims of the chapter

There are numerous on-line examples which are included with AVS/Express to illustrate the operation and applications of most of the AVS/Express modules. In this chapter you will investigate several of these example networks.

## 6.2 Exercise 1

This exercise will illustrate the use of these on-line examples using the `Advector` module as a demonstration. The `Advector` releases a sample of massless particles into a field. The particles move through the field according to the magnitude and direction of the vectors at the nodes. The `Advector` module is used to demonstrate fluid flow.

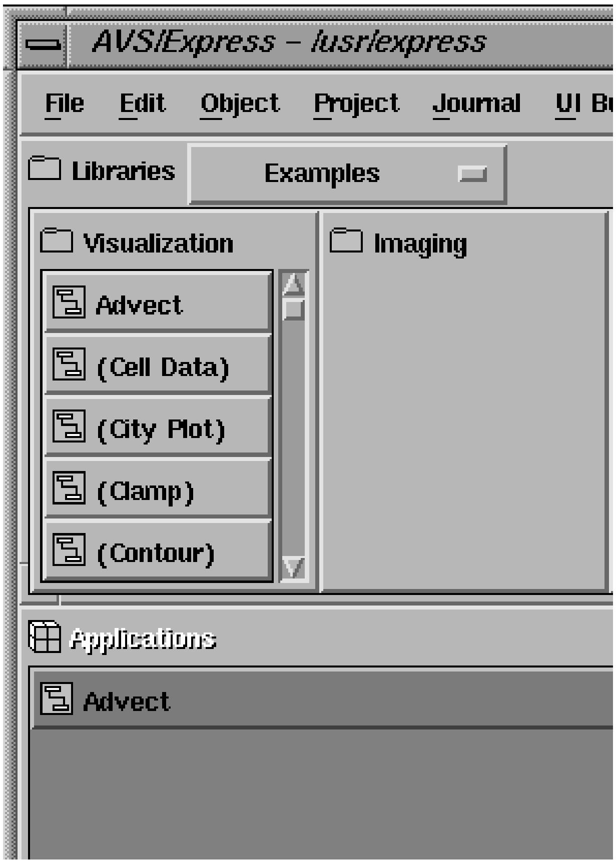
### 6.2.1 Entering the AVS/Express examples library




To access to the AVS/Express on-line examples

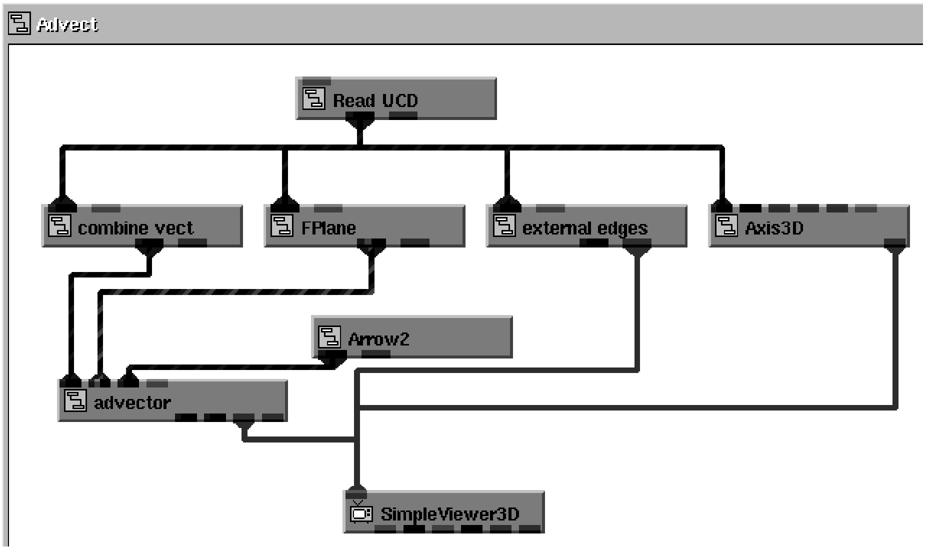
- Select the **Examples** library page from the **Library page** selector on the top of the **Network Editor window.**

## 6.2.2 Starting the `Advect` demo



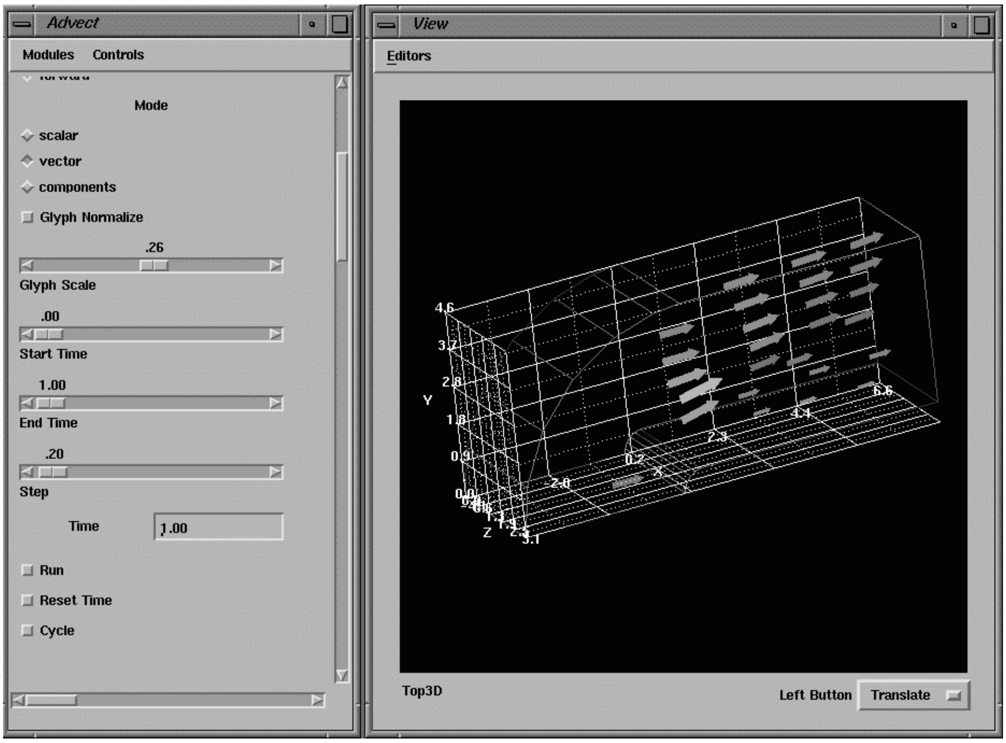

- Double click the **Visualization** sub-library to open it. (It may already be open).
- Instance the `Advect` demo module to the workspace.
- The screen should appear as shown below.

### 6.2.3 The `Advector` demo




- Double click the `Advect` in the workspace to maximize it. By doing so, the complete `Advect` network is shown in the workspace.
- Refer to each module's help documentation to understand the way the network operates, especially the `Advector` module.
- Rearrange the network so it appears similar to the layout shown above. You will need to select the **main** library page in order to select new modules.

## 6.2.4 Changing the parameters yourself




- Select the `Advector` module from the Modules menu.

The following steps will run the `Advector` demonstration.

- Before releasing the advectors select the **Reset Time** button.
- To release the advectors click the **Run** button.
- You can also use the **Cycle** mode. To stop the cycle mode click the **Run** button to turn it off.

You may also wish to,

- Alter the size of glyph by changing the **Glyph scale** value.
- Try altering some of the other parameters in the `Advector` module's control panel to see the effect on the demonstration.

## 6.3 Other exercises

Try out some of the other examples in the Examples library. Use the module documentation to help you understand their functions.