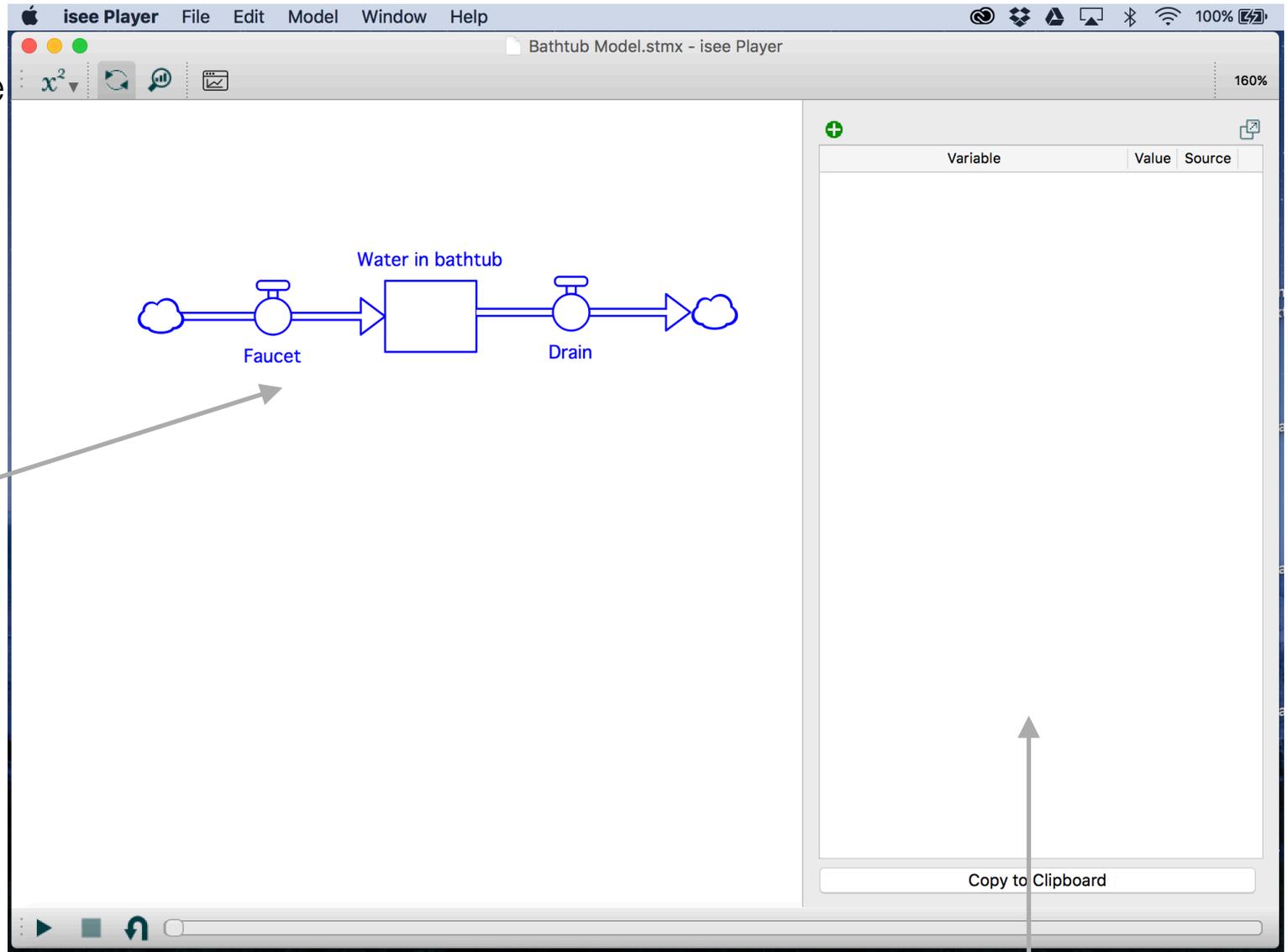


Systems Thinking: Systems modeling quick start

Bathtub Model quick start instructions

- Once you have installed Player (or STELLA) software, download the Bathtub Model
- Open the file in Player (or STELLA)

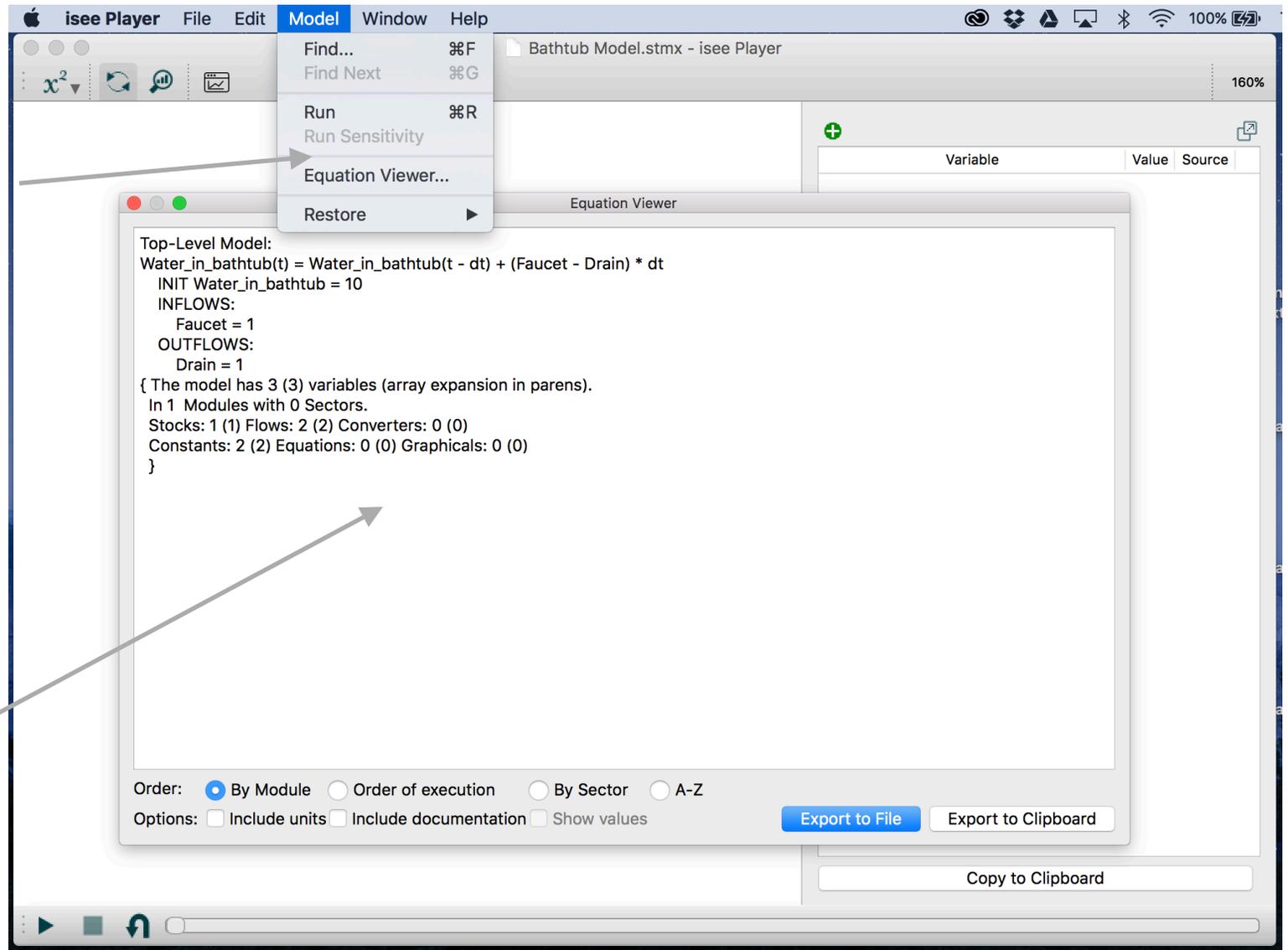
This is what you should see when the model opens in Player.



Graphical depiction of the model

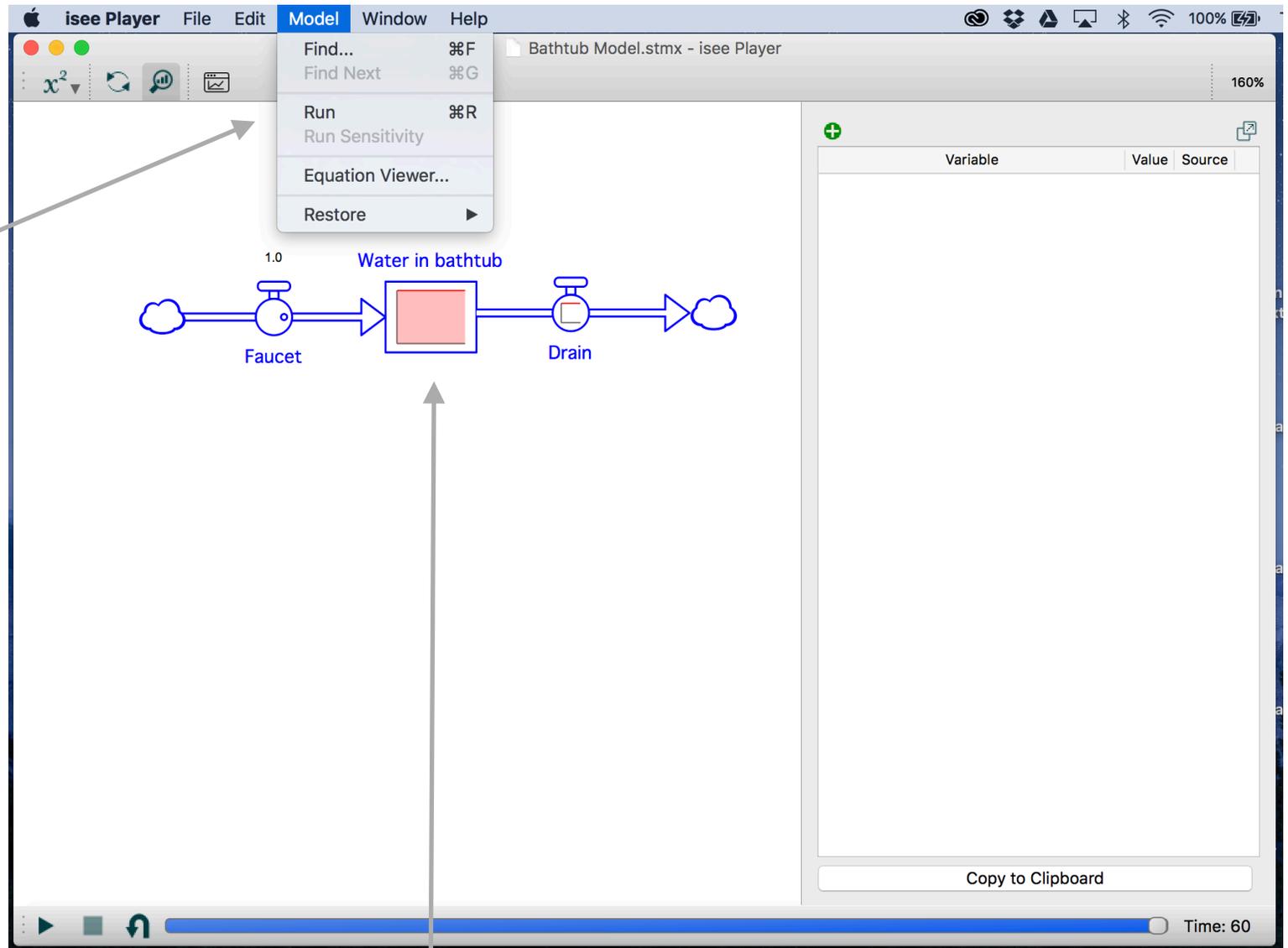
Parameter control panel

You can view the equations that form the model by selecting Equation Viewer in the Model menu



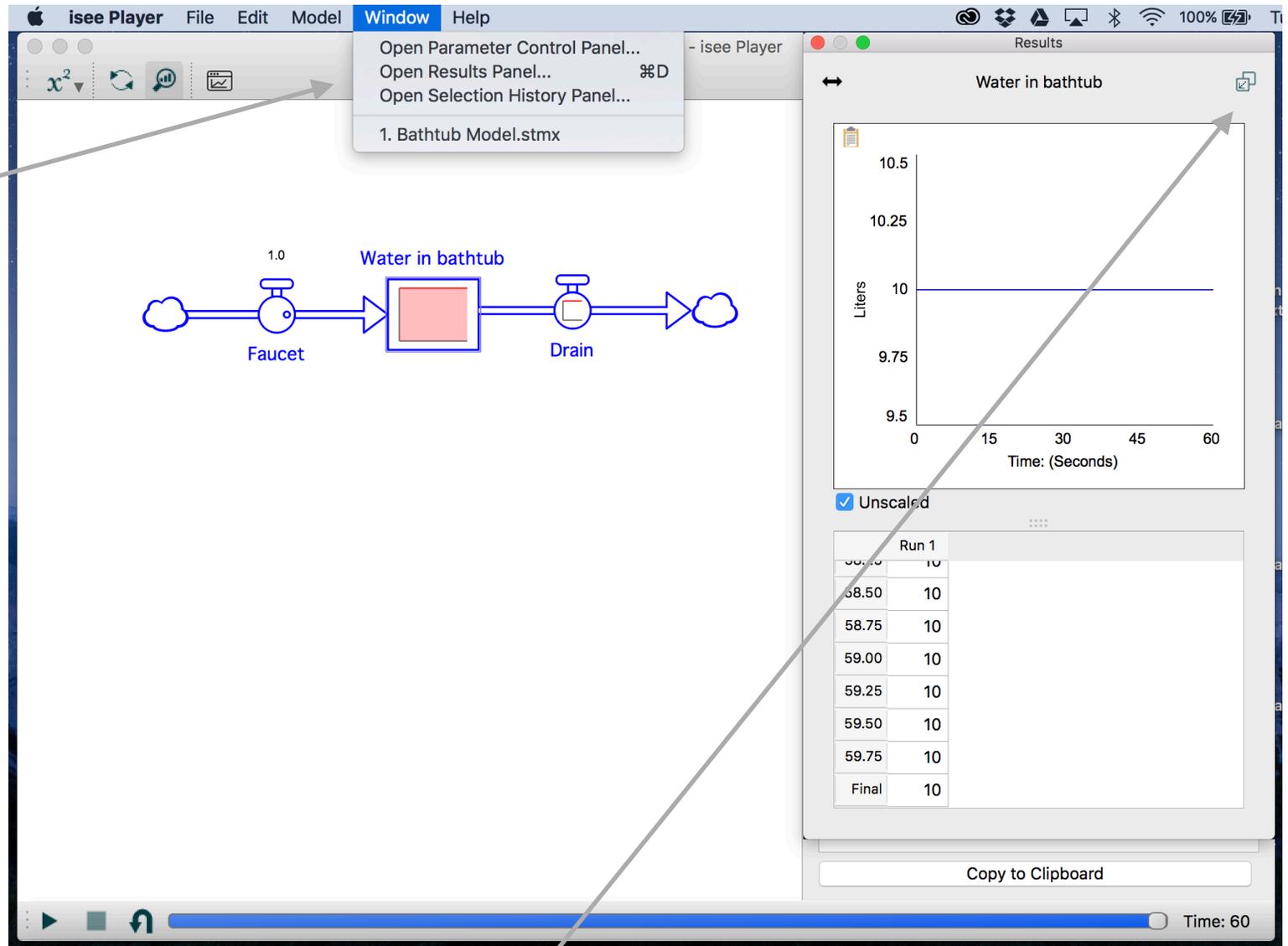
Equation Viewer

To run the model, either click the play button or select Run from the Model menu



As the model runs, you will see the reservoir (Water in Bathtub) change graphically

To view the results, open the Results panel from the Window menu



Results panel - Click on the combine icon to merge with the Parameter Control panel

The screenshot displays the iSee Player interface for a 'Bathtub Model.stmx'. The main workspace shows a flow diagram with a 'Faucet' (flow rate 1.0) feeding into a 'Water in bathtub' reservoir, which then feeds into a 'Drain'. A graph on the right, titled 'Water in bathtub', plots 'Liters' (y-axis, 9.5 to 10.5) against 'Time: (Seconds)' (x-axis, 0 to 60). The graph shows a constant horizontal line at 10 Liters. Below the graph, there is a 'Run 1' section with a 'Copy to Clipboard' button. A dialog box titled 'Click to select a variable' is open, showing a list of variables: 'Water in bathtub', 'Drain', and 'Faucet'. The 'Water in bathtub' variable is selected. The dialog also has 'Show' and 'Order' options.

Variable	Value	Source
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To make the model variables interactive (i.e., you can change them), click the green plus in the Parameter Control panel

Then select the variables you want to change

The variables can be changed by typing in the value column

When you run the model again, the new output will be displayed on the graph as a new run

The inputs, output, and entire model can be restored under the Model menu; you can also restore the entire model by clicking here

The screenshot shows the iSee Player interface for a model named "Bathtub Model.stmx". The main window displays a diagram of a bathtub model with a "Faucet" input (value 1.0) and a "Drain" output. The "Water in bathtub" component is highlighted with a red box. To the right, a graph titled "Water in bathtub" shows the water level in liters over time (0 to 60 seconds). The graph displays two runs: Run 1 (blue line) and Run 2 (red line). Both runs show a constant water level of 10 liters. Below the graph, there is a table with columns "Run 1" and "Run 2", and a "Final" row showing "IU" for both runs. At the bottom right, there is a table with columns "Variable", "Value", and "Source".

Variable	Value	Source
1 Faucet	1	Interactive
2 Drain	1	Interactive

At the bottom of the interface, there is a "Copy to Clipboard" button and a "Time: 60" indicator.