## Tree Controls for User Interfaces

This package provides the capability to easily create tree controls for an application or user interface using a simple MATLAB® object-oriented interface. This package includes and wraps the Java® code necessary to implement a tree, enabling you to create the tree using only MATLAB® code, for a set of included features.

```
t = TreeControl('Parent',f);
Nodel = TreeNode('Name','Node_1','Parent',t);
Nodel_1 = TreeNode('Name','Node_1','Parent',Nodel,
Nodel_2 = TreeNode('Name','Node_1_2','Parent',Nodel,
Node2 = TreeNode('Name','Node_2','Parent',t);
Root

Node_1

Node_1

Node_1

Node_1

Node_2

Node_1_2
```

A rich set of features and capabilities are included:

- Full Drag and Drop support (within the tree and also between trees)
  - Supports callback that tells the tree whether a node is a valid drop target
  - o Supports keyboard modifiers for drop action (COPY,MOVE,LINK)
- Checkbox Tree support (Both hierarchical/DigIn style and individual node style)
- Node editing support
- Customize each node with it's own:
  - o Icon
  - o Tooltip
  - Context menu
  - Checkbox visibility & enable
  - UserData and Value
- Settable callbacks for your user interface for each event, including mouse events

Some useful enhancements are also possible, but these may require improvements to the underlying Java®:

Allow dropping from other controls onto the tree