

MiscTree

Inherits From: Object
Declared In: misckit/MiscTree.h

Class Description

The MiscTree implements a tree data structure. Each MiscTree contains a List object which points to the branch objects, which should be other MiscTree objects. You can create a new node for the tree using **±alloc** and **±init** and you can assign a label to the node when you initialize it with the **±initLabel:** and **±initLabelString:** methods. To add a branch object, simply use the **±addbranch:** method. If you need to manipulate the branches in some way, you can obtain the List object containing the branches via the **±branches** method. The **±depth** and **±width** methods return the depth and width of the tree below the messaged node.

Each node in the tree can have a label and a value, both of which are arbitrary character strings. You can set and retrieve the character strings with the **±label**, **±value**, **±setLabel:**, and **±setValue:** methods.

The tree may be dumped to an NXStream, with all its branches, by using the **±dumpTree:level:indent** method. You can avoid having the branches below a MiscTree node printed when dumping the tree by collapsing the node. Use **±collapse** to

collapse the node and **±uncollapse** to uncollapse it. The **±collapsed** method will tell you if a particular node is collapsed. If you wish to exert more specific control over whether or not a node will be dumped, you can override the **±moreData:level:indent:** method to add the required functionality. Overriding this method also allows you to add extra text to a node's line when a node is being dumped.

Note that this documentation is incomplete. It will be finished soon.

Method Types

| | |
|---------------------------|--|
| Initializing the MiscTree | ± init ± initLabel: ± initLabelString: |
| Dealing with branches | ± addBranch: ± branches ± depth ± width |
| Labels and node values | ± label ± setLabel: ± setValue: ± value |
| Printing | ± collapse ± collapsed ± dumpTree:level:indent: ± moreData:level:indent: ± uncollapse |

Instance Methods

x

- **x:(x)**x

x. Returns *self*.

See also: **-x:**

x

- **x:(x)**x

x. Returns *self*.

See also: **-x:**