API Documentation

API Documentation

May 13, 2018

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1 Module GUI.ModelTree

1.1 Variables

| Name | Description |
|---------|--------------|
| package | Value: 'GUI' |

1.2 Class ModelTree



1.2.1 Methods

| init(self, config_file='mctdh.config', sys_file='CH3g1.txt') |
|--|
| xinit() initializes x; see help(type(x)) for signature |
| Overrides: objectinit extit(inherited documentation) |

| $\mathbf{getBottomlayer}(\mathit{self})$ | |
|--|--|
| Get the bottom nodes | |

| ${\bf getPhysCoord}(\mathit{self})$ | |
|-------------------------------------|-------------|
| get the Modes of the pys. (| Coordinates |

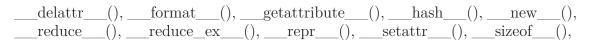
| $\mathbf{nlayer}(\mathit{self},\ i)$ | |
|---|--|
| Recursion function that goes from the i-th node up to the top layer of the tree | |

```
Takes all bottom nodes and returns for each a list of the path to the top node
```

| ${\bf modeToGetLayer}(self)$ | |
|------------------------------------|--|
| Combines layer_matr with mode_list | |

| $\mathbf{get_SPFs}(\mathit{self})$ | |
|-------------------------------------|--|
| get the SPFs of each Node | |

Inherited from object



 $__str__(), __subclasshook__()$

1.2.2 Properties

| Name | Description |
|-----------------------|-------------|
| Inherited from object | |
| class | |

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 $\begin{array}{c} \text{GUI } \textit{(package)} \\ \text{GUI.ModelTree } \textit{(module)}, \text{ 2--3} \\ \text{GUI.ModelTree.ModelTree } \textit{(class)}, \text{ 2--3} \end{array}$