

app-core.js

appStateService

isAuthorized : bool

isModalShown : bool

treeDataService

getSelectedNode()
getTree()
initTree()
unshiftNode(parentNode, element)
getChildrenArray(parentNode)
searchNode(parentNode, argLocalId)
selectNode(node, parentNode)

elementSelectionService

init()
getElements()
getSubGroups(groupId, ownerId)

databaseService

initProperties(element)

AddElementCtrl

isShownAsList
typeTrigger = { value }
elementData
elementOwner
elementGroup
elementSubGroups
elementSubGroup
elementName
elementPosition

addNode (parentNode, newId, isModule)
updateSubGroups ()
initHandler ()

\$on('applinitialized' -> initHandler())

TreeCtrl

\$scope.searchName
\$scope.searchPosition
\$scope.filterSettings = { displayName,
displayPosition, displayClass, displayType,
displayReliability }

initFiltering ()
initSearch ()
search ()
expandModule (\$event, module)

RootCtrl

\$scope.treeModel
\$scope.treeAsList
\$scope.selectedNode
\$scope.authorization = { success,
username, password }
\$scope.modal = { type, visible }

login ()
selectNode (\$event, node) ->
\$broadcast('selectedNodeUpdated')

\$on('selectedNodeUpdated',
\$scope.selectedNode = args)

app-header.js

HeaderCtrl

addElement ()
addModule ()
later ()
testCharts ()
logout ()
stopBubbling (\$event)

app-math.js

mathService

calculate (expression, data)
- checkBrackets (expression)
- checkSafety (expression)
- replaceCommas (expression)
- replaceVariables (expression, data)
- replaceOperations (expression)
- replaceLn (expression)
- replacePower (expression)
- replaceExp (expression)
- removeOpenBracket (expression)
- removeCloseBracket (expression)
- initCalculation (expression, data)

app-editor.js

EditorCtrl

\$scope.coefficients

calculateReliability ()
calculateElementReliability ()
removeNode (nodeToDel)
- initKeys ()
- calculateCoefficients (keysArray)
- calculateModel (varObj)