Kepler - Bug #6000

parameter copy-paste exception on console.

06/07/2013 04:58 PM - jianwu jianwu

Status:	Closed	**Start date:**	06/07/2013
Priority:	Normal	**Due date:**	
Assignee:	Christopher Brooks	**% Done:**	100%
Category:	general	**Estimated time:**	0.00 hour
Target version:		**Spent time:**	30.30 hours
Bugzilla-Id:			

Description

This workflow (see attachment) has two parameters. The first one, called datadir, is Parameter type and the second one, called outputdir, is StringParameter type. The second one use the first one's as part of its value: $datadir/output. When I copy and paste parameter outputdir on the canvas, no error dialog pop up. But the console has an exception messages.

```
ptolemy.kernel.util.IllegalActionException: Warning:, there was a problem propagating "outputdir".
[run]   in .auto.outputdir
[run] Because:
[run] Error evaluating expression: $datadir/output
[run]   in .auto.outputdir
[run] Because:
[run] The ID datadir is undefined.
[run]     at ptolemy.data.expr.Variable._propagate(Variable.java:1789)
[run]     at ptolemy.data.expr.Variable.validate(Variable.java:1460)
[run]     at ptolemy.moml.MoMLParser.endDocument(MoMLParser.java:802)
[run]     at com.microstar.xml.XmlParser.doParse(XmlParser.java:162)
[run]     at com.microstar.xml.XmlParser.parse(XmlParser.java:132)
[run]     at ptolemy.moml.MoMLParser.parse(MoMLParser.java:1556)
[run]     at ptolemy.moml.MoMLParser.parse(MoMLParser.java:1512)
[run]     at ptolemy.moml.MoMLParser.parse(MoMLParser.java:1655)
[run]     at ptolemy.moml.MoMLVariableChecker.checkCopy(MoMLVariableChecker.java:112)
[run]     at ptolemy.moml.MoMLVariableChecker.checkCopy(MoMLVariableChecker.java:81)
[run]     at ptolemy.vergil.basic.BasicGraphFrame.copy(BasicGraphFrame.java:341)
[run]     at ptolemy.vergil.basic.BasicGraphFrame$CopyAction.actionPerformed(BasicGraphFrame.java:3477)
[run]     at javax.swing.JComponent$ActionStandin.actionPerformed(JComponent.java:3376)
[run]     at javax.swing.SwingUtilities.notifyAction(SwingUtilities.java:1645)
[run]     at javax.swing.JComponent.processKeyBinding(JComponent.java:2859)
[run]     at javax.swing.KeyboardManager.fireBinding(KeyboardManager.java:267)
[run]     at javax.swing.KeyboardManager.fireKeyboardAction(KeyboardManager.java:216)
[run]     at javax.swing.JComponent.processKeyBindingsForAllComponents(JComponent.java:2936)
[run]     at javax.swing.JComponent.processKeyBindings(JComponent.java:2928)
[run]     at javax.swing.JComponent.processKeyEvent(JComponent.java:2822)
[run]     at java.awt.Component.processEvent(Component.java:6159)
[run]     at java.awt.Container.processEvent(Container.java:2083)
[run]     at java.awt.Component.dispatchEventImpl(Component.java:4744)
[run]     at java.awt.Container.dispatchEventImpl(Container.java:2141)
[run]     at java.awt.Component.dispatchEvent(Component.java:4572)
[run]     at java.awt.KeyboardFocusManager.redispatchEvent(KeyboardFocusManager.java:1856)
[run]     at java.awt.DefaultKeyboardFocusManager.dispatchKeyEvent(DefaultKeyboardFocusManager.java:722)
[run]     at java.awt.DefaultKeyboardFocusManager.preDispatchKeyEvent(DefaultKeyboardFocusManager.java:1000)
[run]     at java.awt.DefaultKeyboardFocusManager.typeAheadAssertions(DefaultKeyboardFocusManager.java:865)
[run]     at java.awt.DefaultKeyboardFocusManager.dispatchEvent(DefaultKeyboardFocusManager.java:686)
[run]     at java.awt.Component.dispatchEventImpl(Component.java:4616)
[run]     at java.awt.Container.dispatchEventImpl(Container.java:2141)
[run]     at java.awt.Window.dispatchEventImpl(Window.java:2489)
[run]     at java.awt.Component.dispatchEvent(Component.java:4572)
[run]     at java.awt.EventQueue.dispatchEventImpl(EventQueue.java:710)
[run]     at java.awt.EventQueue.access$400(EventQueue.java:82)
[run]     at java.awt.EventQueue$2.run(EventQueue.java:669)
[run]     at java.awt.EventQueue$2.run(EventQueue.java:667)
[run]     at java.security.AccessController.doPrivileged(Native Method)
[run]     at java.security.AccessControlContext$1.doIntersectionPrivilege(AccessControlContext.java:87)
```

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[run]     at java.security.AccessControlContext$1.doIntersectionPrivilege(AccessControlContext.java:98)
[run]     at java.awt.EventQueue$3.run(EventQueue.java:683)
[run]     at java.awt.EventQueue$3.run(EventQueue.java:681)
[run]     at java.security.AccessController.doPrivileged(Native Method)
[run]     at java.security.AccessControlContext$1.doIntersectionPrivilege(AccessControlContext.java:87)
[run]     at java.awt.EventQueue.dispatchEvent(EventQueue.java:680)
[run]     at java.awt.EventDispatchThread.pumpOneEventForFilters(EventDispatchThread.java:296)
[run]     at java.awt.EventDispatchThread.pumpEventsForFilter(EventDispatchThread.java:211)
[run]     at java.awt.EventDispatchThread.pumpEventsForHierarchy(EventDispatchThread.java:201)
[run]     at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:196)
[run]     at java.awt.EventDispatchThread.pumpEvents(EventDispatchThread.java:188)
[run]     at java.awt.EventDispatchThread.run(EventDispatchThread.java:122)
[run] Caused by: ptolemy.kernel.util.IllegalActionException: Error evaluating expression: $datadir/output
[run]   in .auto.outputdir
[run] Because:
[run] The ID datadir is undefined.
[run]     at ptolemy.data.expr.Variable._evaluate(Variable.java:1691)
[run]     at ptolemy.data.expr.Variable._propagate(Variable.java:1767)
[run]     ... 51 more
[run] Caused by: ptolemy.data.expr.UndefinedConstantOrIdentifierException: The ID datadir is undefined.
[run]     at ptolemy.data.expr.ParseTreeEvaluator.visitLeafNode(ParseTreeEvaluator.java:723)
[run]     at ptolemy.data.expr.ASTPtLeafNode.visit(ASTPtLeafNode.java:125)
[run]     at ptolemy.data.expr.ParseTreeEvaluator._evaluateChild(ParseTreeEvaluator.java:1360)
[run]     at ptolemy.data.expr.ParseTreeEvaluator._evaluateAllChildren(ParseTreeEvaluator.java:1314)
```

History

#1 - 06/07/2013 05:09 PM - Christopher Brooks

- Assignee changed from Derik Barseghian to Christopher Brooks

- % Done changed from 0 to 10

That's a warning, not an exception.

Take a look at the source.

Line 1789 of ptolemy/data/expr/Variable.java

```
if (!handleModelError(this, ex)) {
      // FIXME: In the short term, warn about errors opening models.
      // There are a bunch of things that need to be fixed, but there are also
      // legitimate models such as ptolemy/actor/parameters/test/auto/ParameterSetTest.xml
      // that refer to parameter not present when the model is parsed.
      new IllegalActionException(this, ex,
             "Warning:, there was a problem propagating \""
             + getName() + "\".")
          .printStackTrace();
```

The above code prints a warning, it is not throwing an exception.

Edward discovered a problem with variables, so we are printing a warning while we figure out what to do.

#2 - 06/09/2013 04:09 PM - jianwu jianwu

Hi Christopher, thanks for your info. I noticed it is a warning and agree it doesn't have high priority.

#3 - 10/31/2013 10:40 AM - Christopher Brooks

Edward fixed an issue with copy and paste, but the problem persists.

I updated the output so that it indicates that it is a warning:

The message below is a Warning, and can be ignored.
See https://projects.ecoinformatics.org/ecoinfo/issues/6000

1. Start of Warning ####
   ptolemy.kernel.util.IllegalActionException: Warning:, there was a problem propagating "probability".
   in .VirtSim.Logic.Logique._Controller.probability
   Because:
   Error evaluating expression: ptolemy.domains.modal.kernel.FSMActor$ProbabilityFunction@3fb1bede
   in .VirtSim.Logic.Logique._Controller.probability

Because:
The ID ptolemy is undefined.
at ptolemy.data.expr.Variable._propagate(Variable.java:1809)
at ptolemy.data.expr.Variable.validate(Variable.java:1469)

#4 - 11/18/2013 02:19 PM - Christopher Brooks

- Status changed from New to Closed

- % Done changed from 10 to 100

Fixed in ptII r67879.

Files

parameter-copy-paste-error.xml	6.16 KB	06/07/2013	jianwu jianwu