

## Kepler - Bug #2870

### Copy/Paste of composite actors

06/07/2007 02:52 PM - Norbert Podhorszki

<b>Status:</b>	Resolved	<b>Start date:</b>	06/07/2007
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Christopher Brooks	<b>% Done:</b>	0%
<b>Category:</b>	interface	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	1.1.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	2870		

#### Description

There is a composite actor A, in which a parameter P is referred to.

A Copy/Paste into another workflow (or some other subparts in the same workflow) where parameter P does not exist (we get an error message) puts

all elements of the composite into the same 0 coordinate.

This is very annoying and makes reuse of workflows/actors much harder than it should be.

I am used to drag the elements back into their place, but I am impatient to do that above 20 elements. Also I used to create parameters (if I am aware of them) before copying, but this is also cumbersome.

Just think about text-code programming and copy-paste of complete loops, and then renaming the variables according to the context.

#### History

##### #1 - 06/07/2007 03:29 PM - Christopher Brooks

This is fixed in the Ptolemy II CVS tree.

Perhaps the Kepler specific copies of the Vergil classes need updates?

The code centers around `ptolemy/moml/MoMLVariableChecker.java`

##### #2 - 08/07/2007 02:50 PM - Dan Higgins

The statement that this has been fixed in Ptolemy II doesn't seem to be quite correct. It turns out that referring to a parameter in the containing object from an expression actor works OK inside a composite. You can cut and paste in both PT and Kepler. However, if there is a parameter inside the composite that references the external parameter, then cut/paste causes an error message and layout positions are lost in both PTII and Kepler.

Dan Higgins - Aug 7, 2007

##### #3 - 03/22/2008 11:10 AM - Christopher Brooks

I think I have this fixed by making changes to `moml/MoMLVariableChecker.java`

I've added a test case:

`ptII/ptolemy/moml/test/ComplexCompositeCopyAndPasteTest.xml`

The Ptolemy test suite now tests this by copying a composite that contains an Expression and a Scale that refer to upscope parameters.

##### #4 - 03/27/2013 02:21 PM - Redmine Admin

Original Bugzilla ID was 2870