

## Kepler - Bug #4004

### error inferring widths in instance of class actor

04/21/2009 09:22 AM - Daniel Crawl

<b>Status:</b>	Resolved	<b>Start date:</b>	04/21/2009
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Bert Rodiers	<b>% Done:</b>	0%
<b>Category:</b>	actors	<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>	2.0.0	<b>Spent time:</b>	0.00 hour
<b>Bugzilla-Id:</b>	4004		

#### Description

I get an exception when creating an instance of a class actor that contains a relation:

1. place composite actor on canvas
2. create a relation between 2 actors inside composite actor
3. make composite actor a class
4. create instance of class

I also get this exception when loading a model with instances of class actors.

The gui reports the exception originates at `ptolemy.moml.MoMLParser.startElement()`, but it is actually:

```
java.lang.NullPointerException
at ptolemy.actor.CompositeActor.inferringWidths(CompositeActor.java:587)
at ptolemy.actor.IORelation._inferringWidths(IORelation.java:901)
at ptolemy.actor.IORelation._setWidth(IORelation.java:1133)
at ptolemy.actor.IORelation.attributeChanged(IORelation.java:173)
at ptolemy.data.expr.Variable._setTokenAndNotify(Variable.java:1992)
at ptolemy.data.expr.Variable._evaluate(Variable.java:1646)
at ptolemy.data.expr.Variable._propagate(Variable.java:1732)
at ptolemy.data.expr.Variable.validate(Variable.java:1430)
at ptolemy.kernel.util.NamedObj._validateSettables(NamedObj.java:2687)
at ptolemy.kernel.util.NamedObj.validateSettables(NamedObj.java:1990)
at ptolemy.kernel.ComponentRelation.setContainer(ComponentRelation.java:459)
at ptolemy.actor.IORelation.setContainer(IORelation.java:632)
at ptolemy.kernel.CompositeEntity.clone(CompositeEntity.java:335)
at ptolemy.actor.CompositeActor.clone(CompositeActor.java:256)
at ptolemy.kernel.InstantiableNamedObj.instantiate(InstantiableNamedObj.java:384)
at ptolemy.kernel.ComponentEntity.instantiate(ComponentEntity.java:180)
at ptolemy.moml.MoMLParser._createEntity(MoMLParser.java:4040)
at ptolemy.moml.MoMLParser.startElement(MoMLParser.java:2461)
at com.microstar.xml.XmlParser.parseElement(XmlParser.java:931)
at com.microstar.xml.XmlParser.parseContent(XmlParser.java:1104)
```

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#### History

##### #1 - 04/21/2009 11:20 AM - Bert Rodiers

The problem was a result of restructuring the code to allow using width inference in model transformation and pTera. Sorry for the inconvenience.

##### #2 - 03/27/2013 02:25 PM - Redmine Admin

Original Bugzilla ID was 4004