

Kepler - Bug #5435

passing string into a parameter for headless execution doesn't work

06/30/2011 04:08 PM - Derik Barseghian

Status:	New	Start date:	06/30/2011
Priority:	Normal	Due date:	
Assignee:	David Welker	% Done:	0%
Category:	general	Estimated time:	0.00 hour
Target version:	Unspecified	Spent time:	0.00 hour
Bugzilla-Id:	5435		
Description If you attempt to pass in a string to a Parameter for a headless execution, the value doesn't get used. An integer works fine. Passing in a sting as the value for a String Parameter also works fine. For example "foo" below isn't used: ./kepler.sh -runwf -nogui -x "foo" /Users/derik/KeplerData/workflows/MyWorkflows/paramx.xml The paramx workflow attached to bug#5426 can be used for testing.			

History

#1 - 06/30/2011 04:36 PM - Daniel Crawl

This also happens when trying to run from Ptolemy:

```
1. $PTII/bin/ptolemy x "xxx" ptparamx.xml
Change failed: <property name="x" value="xxx"/>
ptolemy.kernel.util.IllegalActionException: Error evaluating expression: xxx
in .paramx.x
Because:
The ID xxx is undefined.
----- and -----
Error evaluating expression: x
in .paramx.Constant.value
Because:
Error evaluating expression: xxx
in .paramx.x
Because:
The ID xxx is undefined.
```

Looks like the value is not treated as a string, but the name of another parameter. I could not figure out how to escape it.

I'm attaching ptparamx.xml, which works in Ptolemy.

#3 - 06/30/2011 04:53 PM - Christopher Brooks

Take a look at

<http://ptolemy.eecs.berkeley.edu/ptolemyII/ptIIfaq.htm#invoking%20Ptolemy%20II?>
which gives hints. However, I ended up needing more escaping, I'll update the faq momentarily.

ptparamx.xml worked with

```
$PTII/bin/ptolemy ptparamx.xml -x "&quot;xxx&quot;";
```

What is happening with

```
$PTII/bin/ptolemy ptparamx.xml -x xxx
```

is that the Const actor is looking for a variable named xxx.

Maybe a StringConst would be a better choice if you want to use string values?

I agree that the escaping is a pain. To pass parameters more easily, use ptolemy/actor/parameters/ParameterSet.java

Original Bugzilla ID was 5435

Files

ptparamx.xml	21.4 KB	06/30/2011	Daniel Crawl
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