

Kepler - Bug #6834

kepler data can icon displayed incorrectly

08/25/2015 03:56 PM - Daniel Crawl

Status:	Resolved	Start date:	08/25/2015
Priority:	Normal	Due date:	
Assignee:	Christopher Brooks	% Done:	100%
Category:	interface	Estimated time:	0.00 hour
Target version:	2.5.0	Spent time:	1.60 hour
Bugzilla-Id:			
Description			
The "data can" icon used by DataTurbine and several other Kepler actors is displayed incorrectly. This appears to have been started with Ptolemy r73168 (r73163-73167 do not compile).			

History

#1 - 09/09/2015 04:38 PM - Christopher Brooks

- Assignee changed from Daniel Crawl to Christopher Brooks
- File DataTurbineIncorrect_r71368.png added
- File DataTurbineIconCorrect_2015-08-17.png added
- File DataTurbineIconIncorrect_2015-09-09.png added

To replicate this, build Kepler:

```
mkdir kepler.modules
cd kepler.modules
svn co https://code.kepler-project.org/code/kepler/trunk/modules/build-area
cd build-area
ant change-to -Dsuite=kepler
ant run
```

Then search for DataTurbine and drag the actor in. The icon is incorrect, the top and bottom are offset.

The problem does not occur in pttl r73162. To replicate:

```
cd ../ptolemy/src
svn update -r 73162
cd ../gui/src
svn update -r '{2015-08-17}'
cd ../build
ant clean
ant
```

Then search for the DataTurbine icon and drag it in. The top and bottom are correct.

If I update to r73168, the the bottom of the cylinder is offset incorrectly. The error is different than what is at the head.

```
cd ../ptolemy/src
svn update -r 73168
cd ../build-run
ant clean
ant run
```

Below are the changes between 73162 and 73168

2015-08-17 20:03 cxh

- [r73168] /trunk/ptolemy/vergil/icon/Shapelcon.java: Summary: setRotation() angle arg must be final to avoid Java 1.7: "error: local variable angle is accessed from within inner class; needs to be declared final".

2015-08-17 18:28 eal

- [r73167] /trunk/lib/diva.jar: Updated jar with fix to prevent

double application of rotation

2015-08-17 18:13 eal

- [r73166] /trunk/org/terraswarm/accessor/demo/MotionDetector/MotionDetector.xml: Demo tuning

2015-08-17 18:13 eal

- [r73165] /trunk/diva/canvas/toolbox/BasicFigure.java, /trunk/ptolemy/vergil/icon/Shapelcon.java: Fixed double application of rotation

2015-08-17 14:59 cxh

- [r73164] /trunk/lib/diva.jar: Update diva.jar after r73163: Support rotation of basic figures.

2015-08-17 12:56 eal

- [r73163] /trunk/diva/canvas/toolbox/BasicFigure.java, /trunk/ptolemy/vergil/icon/Shapelcon.java, /trunk/ptolemy/vergil/kernel/attributes/ShapeAttribute.java: Support rotation of basic figures.

2015-08-17 12:56 eal

- [r73162] /trunk/ptolemy/actor/lib/jjs/JavaScript.java: Fixed bug where had been assuming StringParameter, but are now using string mode in an ordinary Parameter

#2 - 09/10/2015 10:54 AM - Christopher Brooks

- % Done changed from 0 to 40

Edward had a look and wrote:

Ok, I finally got it so I could replicate this.
I've cc'd Daniel Crawl, because I'm not sure how many icons need to be fixed.

In DataSourceelcon.java, there are two lines that are incorrect:

```
_bottomEllipse.centered.setToken("false");
```

and

```
_topEllipse.centered.setToken("false");
```

These were resulting in a correct icon because of a bug in diva, which I have fixed.
So now the icons are incorrect. But the above code is incorrect.
If you look at the way the icon is constructed, the above lines should be:

```
_bottomEllipse.centered.setToken("true");
```

and

```
_topEllipse.centered.setToken("true");
```

which now results in a correct icon.

I'm amazed that the bug in diva went unnoticed for so long...

#3 - 09/10/2015 01:19 PM - Daniel Crawl

- % Done changed from 40 to 100

- Status changed from New to Resolved

Thanks, Edward. I updated DataSourceelcon.java and didn't find any other icons with this problem.

Files

DataTurbinelconIncorrect_2015-09-09.png	10.2 KB	09/09/2015	Christopher Brooks
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DataTurbinelconCorrect_2015-08-17.png

10.4 KB

09/09/2015

Christopher Brooks

DataTurbinelncorrect_r71368.png

14.6 KB

09/09/2015

Christopher Brooks