

## Kepler - Bug #3988

### Rectangle shifts position on resize

04/17/2009 12:11 PM - Oliver Soong

<b>Status:</b>	Resolved	<b>Start date:</b>	04/17/2009
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>	Christopher Brooks	<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>	3988		
<b>Description</b>			
If I create a rectangle (components->workflow->workflow documentation) and resize it, the entire rectangle shifts slightly up and left.			

#### History

##### #1 - 04/18/2009 06:28 PM - Christopher Brooks

This bug: "create a rectangle (components->workflow->workflow documentation) and resize it," is also present in Ptolemy, but is not present in the Diva tutorial in ptII/diva/canvas/tutorial.

I suspect that the problem is the snap to grid, but I did not stumble across a way to disable snap to grid and change the behavior of this bug.

##### #2 - 04/25/2009 04:27 PM - Christopher Brooks

I might have this one fixed, Edward may have some comments.

It turns out that RectangleAttribute and ResizablePolygonAttribute had the same bug: creating one of them and then resizing would cause the figure to jump up and to the left. With ResizablePolygonAttribute, this was especially obvious. However, EllipseAttribute did not have the problem. EllipseAttribute was setting the centered Parameter to true. When I made this change to RectangleAttribute and ResizablePolygonAttribute, the problem went away.

I looked at a few demos and icons, and this change did not appear to cause problems. I'm not sure why.

I'm leaving this open pending review to see if the change causes problems.

##### #3 - 04/30/2009 09:15 AM - Christopher Brooks

I'm closing this, my solution was to modify the configuration so that new RectangleAttributes are created with centered set to true, which means that new RectangleAttributes will not have this bug, but old ones will jump around slightly. The alternative would be to change the ctor to set centered to always be true, which breaks existing models. A complete fix would be to fix the old models as well, but I believe this to be very difficult and not worth the engineering time. It is somewhat questionable as to whether this bug should be closed, but my fix solves the test case :-^). A new bug could be opened to fix the jump in existing RectangleAttributes . . .

##### #4 - 03/27/2013 02:25 PM - Redmine Admin

Original Bugzilla ID was 3988