

QGIS Application - Bug report #12601

QgsMapCanvasItem not position properly if map is rotated

2015-04-18 01:34 PM - Uros Bernik

Status:	Closed	
Priority:	Normal	
Assignee:		
Category:		
Affected QGIS version:	2.8.1	Regression?: No
Operating System:		Easy fix?: No
Pull Request or Patch supplied:		Resolution: duplicate
Crashes QGIS or corrupts data:		Copied to github as #: 20723
Description		
Here is the code of my custom QgsMapCanvasItem: <pre>class QgsPositionMarker(QgsMapCanvasItem): Graphic = QPolygon([QPoint(-20, 0), QPoint(20, 15), QPoint(10, 0), QPoint(20, -15)]) def init(self, canvas): QgsMapCanvasItem.__init__(self, canvas) self.x, self.y, self.r = 0, 0, 0 def update_position(self, x, y, r): self.x, self.y, self.r = x, y, r def paint(self, painter, option, widget): painter.setPen(QPen(QColor(0, 0, 0), 2)) painter.setBrush(QColor(255, 0, 0)) painter.setRenderHint(QPainter.Antialiasing) point = self.toCanvasCoordinates(QgsPoint(self.x, self.y)) painter.translate(point.x(), point.y()) painter.rotate(self.r) painter.drawPolygon(QgsPositionMarker.Graphic)</pre> I tested, and the transformed points from toCanvasCoordinates method are calculated correctly (ie. i center the position marker in the middle of map canvas, and i get the same resulting point, regardless whether the map is rotated or not) When i update map canvas like this: <pre>self.map.setRotation(r) self.marker.update_position(x, y, r) self.map.setExtent(myextents) self.map.refresh()</pre> Position of the marker is correct only if map rotation is zero, otherwise not, even though the point returned from toCanvasCoordinates is always correct. Error persists if i reverse the order of setRotation and marker.update_position calls.		
Related issues:		
Duplicates QGIS Application - Bug report # 11910: in case of rotation zoom by...		Closed 2014-12-23

History

#1 - 2015-04-19 04:32 AM - Uros Bernik

After checking out #11910, i believe it could be the same issue!

#2 - 2015-04-19 04:38 AM - Jürgen Fischer

- Resolution set to duplicate
- Status changed from Open to Closed