QGIS Application - Bug report #6170 Heap corruption in PAL

2012-08-08 08:30 AM - Matthias Kuhn

Status:	Closed			
Priority:	Normal			
Assignee:	Matthias Kuhn			
Category:				
Affected QGIS version:master		Regression?:	No	
Operating System:		Easy fix?:	No	
Pull Request or Patch supplied:		Resolution:		
Crashes QGIS or corru ptis data:		Copied to github a	Copied to github as #: 15488	
Description				
My debugger (VS2	2008) was complaining about a heap	corruption. After some investigatio	n I could locate the following:	
costcalculator.h: double dist ^{<u>8</u>;}				
costcalculator.cpp	, line 275 (in void PolygonCostCalcu	lator::updatePoint(PointSet *pset)):	
int i = (int)(beta /	a45);			
[]				
dist[i] = d;				
Guess what happe	ens if i == 8			
Probably nothing u	nless you happen to have something	g important after the dist array.		
Now you might wo	nder, how comes, that i is 8. I've no i	dea why, but I guess that following	pure math it shouldn't.	
Back to line 275				
i = beta / a45				
In my case beta =	6.2831853071795862 and a45 = 0.	78539816339744828		
My windows calc s	hows me as the result 7.999999999	99999999490704182105935 which	should be rounded to 7. But my debugger	
shows me 8.				
l don't whose fault	it is that windows calculator gives ar	nother result than dividing two doub	les does, but there seems to be something	

Associated revisions

Revision 928da6e3 - 2012-08-08 07:04 PM - Jürgen Fischer

fix #6170

History

#1 - 2012-08-08 10:04 AM - Jürgen Fischer

- Status changed from Open to Closed

Fixed in changeset commit:"928da6e3bb435da0112bb373096871597012e212".