## 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 corrupts data: Copied to github as #: 15488

**Description** 

My debugger (VS2008) was complaining about a heap corruption. After some investigation I could locate the following:

costcalculator.h:

double dist8;

costcalculator.cpp, line 275 (in void PolygonCostCalculator::updatePoint( PointSet \*pset )):

int i = (int)(beta / a45);

[...]

dist[i] = d;

Guess what happens if i == 8

Probably nothing unless you happen to have something important after the dist array.

Now you might wonder, how comes, that i is 8. I've no idea 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

I don't whose fault it is that windows calculator gives another result than dividing two doubles does, but there seems to be something wrong.

## **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

2025-04-27 1/2

Fixed in changes et commit: "928 da 6e 3bb 435 da 0112bb 373096871597012e 212".

2025-04-27 2/2