
Subject: Issues with read_png and/or profiler
Posted by [hugh.ramp](#) on Wed, 25 Jul 2012 15:51:54 GMT
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Hi all,

I'm running a fairly straight forward image correlation program, which should run fairly quickly ($\sim O(n^4)$, I believe). However, the complexity seems to be rising much quicker than that, an 962x722 image with a 30x29 kernel takes ~ 16 hours (with profiler on), whereas a 640x480 image with the same kernel takes ~ 1.5 hours.

Using profiler to determine the source for the complexity, I found that the Time self(ms) for read_png() was $\sim 60,000,000$ ms, i.e., 99% of the runtime was loading in the image. However, time+sub(ms) reports taking only ~ 100 ms. I was under the impression that Time+sub should always include time self, no? In any case, I don't think read_png should be taking nearly 16 hours to read a 700,000 pixel image.

I was able to recreate the problem on a separate computer using the same code.

Profiler Snapshot here: <http://i.imgur.com/xJeID.png>

Cheers and thanks,
Hugh
