Subject: Re: Newbie's question
Posted by James Kuyper on Fri, 21 Oct 2005 17:19:27 GMT
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ChiChiRuiz@gmail.com wrote:
> I agreed that it's more a scientific problem, rather than a numerical
> one. It'd just never crossed my mind that it would be this
> complicated. The x, y arrays are values from different images over the
> same pixel location, because of the stats analysis to produce these
> values, they "SHOULD" have a y=x^2 relationship, but due to large
> analytical errors, I know it's not exactly y=x^2. I just want to get a
> general idea for the scatter plot.

I still think that it's likely that you're doing the wrong kind of analysis. However, I can't be sure, and I can't suggest an alternative, unless I know a little bit more about what these numbers actually mean.

When you say "images", I tend to think of something which, at the fundamental level, is incapable of having negative values. Background subtraction can produce negative values, and dealing with that in a fashion that doesn't bias your statistics is a tricky issue. However, I got the impression from your comments that the negative values were pretty common, and of a magnitude similar to that of your positive values.

It also would help if we knew what you were planning to do with this number once you've calculated it. The right number to calculate, and the best way to calculate it, often depends upon how you plan to use that number.