Subject: Re: FOR loops removal
Posted by loebasboy on Mon, 25 Aug 2008 08:31:47 GMT
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On Aug 22, 8:19 pm, Chris <beaum...@ifa.hawaii.edu> wrote:
> Are you looping 139520 times because you have that many images you are
> reading from disk? If so, you probably aren't going to be able to do
> any better. I/O is unavoidably slow. If not, what are you doing that
> requires so my loops? How quickly do you process one image?
>
> As a general guideline, most image processing on a single image (say a
> few megapixels) should be on the order of a few seconds once
> vectorized well. If you have several hundred thousand images, one
> thing to consider is to merge them into larger files (by making data
> cubes). This would reduce the number of hard-disk seeks during IO.

There is only 1 image that is processed. 1 loop works on a part of the image, that is, several columns and all the rows. When 1 loop is done, all columns are moved up one column spot and at the end of the part a new column is added (from the full image). The first column is then removed from the part. And so the the full image is processed. 600 columns means 600 loops minus the width of the part two times. Also in every loop the process is repeated 4 times.