Subject: Re: correlation matrix
Posted by Craig Markwardt on Thu, 12 Jun 2003 01:18:09 GMT
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kevinlausten@hotmail.com (Kevin M. Lausten) writes:
> I have written code to create the correlation matix of a data cube,
> however, it seems to run slower than I would expect. I am I doing
> anything inefficiently?
>
> for r = 0, (nrows-1) do begin
> for c = 0, (ncols-1) do begin
> ;sum = 0
> for bb = 0, (nbands-1) do begin
> ref(bb) = in_cube(bb, c, r)
> ; 'ref' equals 'back_cube' for all values of 'bb' at location
> ; (c, r)
> endfor

Whatever the IN_CUBE() is, it will be the limiting factor in your snippet, since it is in the innermost loop. If you can vectorize IN_CUBE over BB then your routine should be faster.

Good luck,
Craig

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