Subject: Re: coherence test implementation Posted by Craig Markwardt on Thu, 13 May 1999 07:00:00 GMT View Forum Message <> Reply to Message

Mark Rehbein <mrehbein@aims.gov.au> writes:

- > .
- > Hi, >
- > I'm doing some cloud detection on some rather large images using what
- > some people call a coherence test. To do a coherence test on a pixel
- > you take a 3x3 matrix around that pixel and assign that pixel the
- > standard deviation of the 3x3 matrix. I have implemented this the
- > following way:

>

- > for y=1, lines-1 do begin
- > for x=1, pixels-1 do begin
- > ...

As the two posters graciously have demonstrated, they were able to partially vectorize the algorithm. However, because your procedure involves *overlapping* portions of the same array, it will never be possible to fully vectorize it.

Explicit FOR loops are not bad if the work done during one iteration takes longer than the overhead time with the loop. Of course, that rule of thumb is somewhat CPU dependent.

Craig	
	
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