Subject: Re: coherence test implementation
Posted by Dick Jackson on Thu, 13 May 1999 07:00:00 GMT
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(quick, before they wake up in Australia! :-)

Hi again,

Dick Jackson wrote:

>

- > You piqued my curiosity, since you're right, there had to be a more
- > efficient way! My attached coherence.pro should do the trick, and I
- > clock it at about 60 times faster with a 300x300 test.
- > [...]
- > Generalizing coherence.pro to allow variable 'width' [...]
- > wouldn't be hard

I looked at my code again, and realized I was duplicating the function of the IDL CONVOL routine. That sure simplified things! (and in my 300x300 test, cut time in half yet again) Adding the 'width' idea was trivial. I think writing helpful comments was the worst part. :-)

And, as with any Good Thing in IDL, it can be written in one line:

(the attached .pro is much easier to read and understand)

Enjoy.

Cheers,

--

-Dick

Dick Jackson Fanning Software Consulting, Canadian Office djackson@dfanning.com Calgary, Alberta Voice/Fax: (403) 242-7398 Coyote's Guide to IDL Programming: http://www.dfanning.com/

File Attachments

1) coherence.pro, downloaded 136 times