Subject: Re: "Max()" filter?
Posted by Craig Markwardt on Fri, 08 Mar 2002 18:30:01 GMT
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"Dick Jackson" <dick@d-jackson.com> writes:
> "trouble" <the_cacc@hotmail.com> wrote in message
> news:5f9f0a23.0203070323.4c32551b@posting.google.com...
>> You could code this up quicker than it took to write the message...
>
> trouble,
>
> Certainly a brute-force method with loops that go over every array element
> and do a Max operator over the appropriate nxn (or less) kernel is easy, but
> I think that it is somewhat inefficient for the 1024x1024 datasets I have in
> mind where the kernel might be around 30x30. In trying it, it runs in about
> 14 seconds.
>
> Perhaps I should have added the word "efficient" somewhere, where I would
> like performance on the same order as the Smooth function, which takes 0.151
> seconds. I believe Smooth saves huge amounts of time by overlapping
> calculations. I don't see how an efficient local max filter like this would
> be trivial to write in IDL, that's why I was asking.

Hi Dick--

These are the kinds of things that JD Smith, Wayne Landsman (?) and I
have wished for before. I believe it's nontrivial to do in IDL as it
exists today.

Craig

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