Subject: Re: IDL's built-in function DILATE and ERODE doesn't work as described in help

Posted by Karl Schultz on Thu, 12 Oct 2006 14:56:26 GMT

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On Thu, 12 Oct 2006 09:41:29 +0200, Karsten Rodenacker wrote:

> Don't use IDL's dilate and erode without embedding your data into a
> sufficiently large array. Border handling is not coherently implemented.
> That is a large disadvantage, not to say an error, for the application of
> math. morph. operations in sequences. Ask for improvement, possibly ITTVIS
> can be convinced!
> Regards
> Karsten
>
> Am Thu, 12 Oct 2006 04:33:59 +0200 schrieb Gongqin Shen
> <gqshen2008@gmail.com>:
>
>>   For example, if you have the data as a = [0, 1, 1, 0] and kernel as k
>> = [1, 1], according to the help provided by IDL, the result of running
>> the code:
>>   result = DILATE(a, k)
>>   will be [0, 1, 1, 0], however, IDL's output is [1, 1, 1, 0].
>>   ERODE performs in a similar way. Does that mean the help is actually
>> broken?
>>

All I can say is that we know about this problem and fixing it is "on the
list". Karsten has already sent me some more detail. If anyone else
would like to submit additional input, besides what is already in this
thread, email it to kschultz at ittvis dot com. Thanks!

Karl