
Subject: Re: Problem with dist function in IDL

Posted by [Michael Galloy](#) on Tue, 28 Aug 2007 20:10:11 GMT

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On Aug 28, 12:26 pm, David Fanning <n...@dfanning.com> wrote:

> I was just having a look at the BUTTERWORTH filter code in the IDL
> library, and I notice that the ITTVIS programmer who wrote this
> function uses the double FOR loop method to create the distance
> function, rather than DIST.
>
> What do you suppose he knows that we don't!?

Well, the BUTTERWORTH code has to handle 1, 2, or 3-dimensional distance arrays, whereas DIST handles only the 2-dimensional case. So BUTTERWORTH could use DIST for only one of the three cases, so the developer decided not to use it? In any case, DIST is more efficient than BUTTERWORTH for the 2-dimensional case.

Mike

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