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Subject: Re: Problem with dist function in IDL

Posted by [David Fanning](#) on Tue, 28 Aug 2007 18:26:37 GMT

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Paolo\_Grigis writes:

> This program (not optimized) reproduces the functionality of DIST:

```
>
> -----
>
> n=4
> m=5
>
> a=dist(n,m)
> b=fltarr(n,m)
>
> FOR i=0L,n-1 DO BEGIN
>   FOR j=0L,m-1 DO BEGIN
>     i2=min([i,n-i])
>     j2=min([j,m-j])
>     b[i,j]=sqrt(i2^2+j2^2)
>   ENDFOR
> ENDFOR
```

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!?

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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