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Subject: IDL versus MATLAB

Posted by [Mark McGillion](#) on Thu, 08 Apr 1999 07:00:00 GMT

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Hi,

I am currently using IDL v5.2 but I need to perform some extensive speech signal processing in the form of digital filtering (butterworth etc). Now, IDL doesn't contain any in-built functionality for this in the way that MATLAB does.

The possible solutions are:

1. Call the MATLAB signal processing functions from IDL (using the IDL2MAT software at <http://hendrix.ei.dtu.dk/software/atlant/>).
2. Convert to MATLAB (I have the time, but cant afford the costs)
3. Find some existing IDL code that performs these functions already.

I prefer option 2, but 3 would be OK if the code was tested. It would be even better if RS were to incorporate some DSP functionality into the product at their next release.

Has anyone else had the same frustrations and do you have any suggestions?

Regards,

Mark

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Subject: Re: idl versus matlab

Posted by [David Fanning](#) on Thu, 20 Nov 2003 17:00:31 GMT

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Gareth Mottram - RSG writes:

- > I have to admit this is a slightly frivolous post, but here goes.
- > A guy in my office insists that matlab is better for multivariate stats
- > in image analysis than IDL, I doubt whether this is correct but I don't
- > have any examples to prove him wrong, or indeed to prove me wrong.
- >
- > Anyone out there have opinions/comments/examples?

For what it's worth, I'm beginning to like Matlab a lot. :-)

\*Very\* elegant math syntax. Does math things VERY well, including (probably) multivariate stats.

But it's not going to beat IDL for programming  
or graphics display anytime soon, I don't think. :-)

Cheers,

David

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David W. Fanning, Ph.D.

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Phone: 970-221-0438, E-mail: david@dfanning.com

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

Toll-Free IDL Book Orders: 1-888-461-0155

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Subject: Re: idl versus matlab

Posted by [Haje Korth](#) on Thu, 20 Nov 2003 17:46:47 GMT

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David,  
don't even think about deserting us! :-)

Haje

"David Fanning" <david@dfanning.com> wrote in message  
news:MPG.1a26a11fe0f5f6ee98974a@news.frii.com...

> Gareth Mottram - RSG writes:

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> Cheers,

>

> David

> --

> David W. Fanning, Ph.D.

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Subject: Re: idl versus matlab  
Posted by [David Fanning](#) on Thu, 20 Nov 2003 18:20:14 GMT  
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Haje Korth writes:

> don't even think about deserting us! :-)

Heck, I just about have Reimar groomed to take over. :-)

Cheers,

David

--

David W. Fanning, Ph.D.  
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Subject: Re: idl versus matlab  
Posted by [Haje Korth](#) on Fri, 21 Nov 2003 15:38:58 GMT  
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David,  
but what if he is out sick??? :-)

Haje

"David Fanning" <david@dfanning.com> wrote in message  
news:MPG.1a26b3c623993d3f98974e@news.frii.com...

> Haje Korth writes:

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>

> David  
>  
> --  
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