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Subject: Re: Looking for a data analysis package - need advise  
Posted by [R.G. Stockwell](#) on Wed, 15 Jan 2003 22:14:09 GMT  
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IDL can definitely do the development, and would be a nice platform for that. However, it may not be the best choice for the commercial product, due to licensing and distribution issues. The migration to another language may be a problem too, since IDL's strength is in its powerful native functions and routines for data analysis (among other things), which are not always directly portable to another language.

Matlab is fairly similar to IDL (for this project), IMHO I prefer IDL (for instance, it seems to be a "fuller" programming language).

If you are also developing the instrument control software, National Instruments Labview may be a good choice. It integrates a lot of hardware control DAQ etc, and also has a very quick development time (if you know labview).

If you just want an application to do the data analysis on winxp, maybe Visual Basic would be best, or do it in C/C++. This project seems kinda small [ no offence :) ], so I'd just develop it in the language you want to distribute the commercial product in.

(If you really want platform independence, which you seem not to, write it in JAVA).

Cheers,  
bob stockwell

Mitch wrote:

- > We're developing a data analysis tool. A single data set consist of
- > two trends containing about 500 samples each. We'll be building a
- > model from a 100 or so data sets, then use the model to match new data
- > received from an instrument.
- >
- > We're looking at wide ranging options from Origin 7, Pattern
- > Recognition Toolkit, Matlab, and of course IDL (hence this post). OS =
- > Windows XP
- >

> Another consideration is that once we have a working prototype, we'll  
> be migrating the code to a commercial product.  
>  
> Could anyone comment on the applicability of IDL to this brief problem  
> statement. Does anyone have other recommendations? How does IDL  
> compare to Matlab. The descriptions at the website, make them seem  
> quite similar.  
>  
> Thanks,  
>  
> Mitch  
> Avantium Technologies Inc  
>

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