
Subject: Re: Matlab <--> PV-Wave ?

Posted by [Jonathan Rogness](#) on Fri, 13 Jun 1997 07:00:00 GMT

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Paul van Delst wrote:

>

- > Hmm. I *wish* IDL had the extensive numerical toolboxes that Matlab
- > does. You can accuse Matlab of a lot of things, but lacking in
- > numerical routines ain't one of them. IDL still uses Numerical
- > Recipes routines for goodness sake. It is well known that some
- > Numerical Recipes routines that come with the book have bugs in them.

Well, I've never seen any library that doesn't have a few bugs lurking in it. Numerical Recipes does have some bugs in it (see <http://nr.harvard.edu/nr/upgrade/latest-known-bugs.html>), but there seems to be a trend of spurious bug reports associated with it as well. (See <http://nr.harvard.edu/nr/bug-rebutt.html>)

- > Some people here have switched from IDL to Matlab because of the
- > strength of the latter's numerical toolboxes in optimising non-linear
- > inverse problems in atmospheric remote sensing

I can't speak from the Matlab point of view, but I'll agree with those people who aren't satisfied with IDL's non-linear optimising routines. Too slow for me -- I write my own routines in C and link them to the NAG library.

Jon
