
Subject: Re: Talking to Matlab

Posted by [jnettle1](#) on Fri, 01 Oct 2004 18:57:26 GMT

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You're using the COM object model to access Matlab from IDL. The idea behind COM is that it exposes Matlab objects to programmers, regardless of what language they're using. So, for example, you could try to make these same calls to Matlab in VB (maybe even an excel macro, which is VBA), PERL, python, etc. and see if the calls to Matlab work in those languages. The reason I suggest this is b/c I tried to make IDL talk to Excel a while back using COM, and got a weird error that I could never figure out. The same calls worked fine in both PERL and VB, so I concluded that IDL was screwing up when making COM calls. You might try the same thing. Good luck.

Jeff

rcohen@raytheon.com (Rob) wrote in message

news:<ac2cbce6.0409300812.3b62cd9f@posting.google.com>...

```
> I'm trying to get and set variables in Matlab from IDL. Using an older
> newsgroup posting of how to do this, I'm able to put an array created
> in IDL into Matlab and see it in Matlab's workspace, but I'm getting a
> "bad variable type" response from Matlab when I try to get the array
> back into IDL. Anyone see what my problem is in the code below? Or, if
> there's a better way to do
> this that would be valuable information as well. This is with IDL 6
> and
> Matlab 6.5 R13. Many thanks.
>
> IDL> oMatlab6=OBJ_NEW('IDLcomIDispatch$PROGID$Matlab_Application_6')
> IDL> data=DINDGEN(100)
> IDL> PLOT, data
> IDL> oMatlab6->PutFullMatrix,'fromidl','base',data,data
> IDL> oMatlab6->Execute,'plot(fromidl);'
> IDL> fromMat = oMatlab6->GetFullMatrix('fromidl','base',zreal,zimag)
> % IDLCOMIDISPATCH$PROGID$MATLAB_APPLICATION_6::GETFULLMATRIX: Unable
> to
> call method GETFULLMATRIX.
> Bad variable type.
> % Execution halted at: $MAIN$
```
