Subject: Talking to Matlab

Posted by rcohen on Thu, 30 Sep 2004 16:12:51 GMT

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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: $MAIN$
```