
Subject: Re: Can IDL and MATLAB run together??
Posted by [mule_rocks](#) on Wed, 18 Sep 2002 19:25:05 GMT
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Both IDL and MATLAB have a "callable" API that in theory you could use to call one from the other, and vice-versa, but both are designed to allow you to call the internals as a subroutine (at a very low-level) from C, so you'd probably have to write some sort of C wrapper to go-between in both instances.

If you're running on Windows you could use ActiveX technology to get the two programs to communicate, but then again you have to ask yourself would it be easier to just transfer data back and forth via files on disk? Here's an example of pushing data from an IDL session into MATLAB6's ActiveX Automation Server and making a plot in the MATLAB workspace:

```
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);'
```

Note that this is IDL 5.5 or newer and MATLAB6(R12) has to be installed on the computer for this to work.

- AEB
