Subject: Re: interface between IDL and Matlab
Posted by Abraham campbell on Tue, 22 Jan 2008 18:08:54 GMT

ChiChiRuiz@gmail.com wrote:
> Hi,
>
>   I've been using IDL for data processing/analysis, so most of my code
> (data readers/writers, and utility code) are in IDL. However, lately
> I was asked to explore possibility to use Matlab's statistical
> visualization toolbox.   I don't want to re-write my data processing
> code in matlab or write my own statistical visualization in IDL, what
> other options do I have? Is there a way to call Matlab from IDL or
> vice versa? Thanks in advance.
>
> -Angie

If you are on Windows, there might be a way. I believe that Matlab has
an ActiveX control that gives you access to it. So, you could use the
IDL-COM import subsystem to create an instance of the Matlab ActiveX
control, and issue commands to it from IDL...though, marshaling data
back and forth might be tricky. COM data types are fickle; and, the
implementation of a particular COM/ActiveX control might limit the
supported COM data types.

If you are on Unix, you might have to create a custom IDL DLM that
accesses Matlab via entry points in a shared library, or some other
Matlab mechanism for C-callable access.

Abraham