

---

Subject: Re: Uniting IDL and Matlab

Posted by [George N. White III](#) on Tue, 18 Apr 2006 22:24:54 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

On Tue, 18 Apr 2006, Ben Tupper wrote:

> ChristopherFlorio@gmail.com wrote:

>> I'm currently at a point where I have to make an IDL program generate a  
>> Matlab friendly array of data points. I don't know much about Matlab  
>> and the last postings here, on the subject of IDL/Matlab exchange are  
>> out of date. If anyone has any information about how to simplify the  
>> process, let me know.

>>

> Hi,

>

> Long ago Nick Wolfe and I wrote a simple IDL <-> MatLab generic file exchange  
> system. It worked fine for use to share simple arrays and the like. It  
> handles the row vs. column major and big vs. little endian issues. If you  
> send me an email I will post it to you.

>

> You might have better success using the scientific data format approach that  
> Jan suggested. You'll know best when you try it.

People are using data from NASA SeaDAS, an IDL app that generates hdf  
(ver. 4) files, with Matlab and R (the S+ clone). AFAIK, Matlab can read  
hdf(4 and 5) while R has only the hdf5 module so h4toh5 is needed. If you  
have the choice, hdf ver. 5 is recommended for new implementations.

--

George N. White III <aa056@chebucto.ns.ca>

---