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Subject: Re: reading .mat files in IDL  
Posted by [btt](#) on Fri, 06 Oct 2006 13:41:01 GMT  
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Ulan wrote:

> Dear all,  
>  
> Recently I had to transfer some time series plots from Matlab (.mat  
> files) into IDL. I have used IDL's "Binary Import" macro and had a few  
> problems. I thought, the problems were due to the data type  
> miscommunication: when the double data type in Matlab was imported as  
> double into IDL the data range was somewhat different (looked rather  
> stretched like in BYTSCALE command). I have experimented with other data  
> types in Matlab (int8, int16, int32) but then IDL's binary template  
> complaint of improper data sizes. Finally, I had to make 2D array of my  
> time-series in Matlab, copy array cells into Notepad and save it as an  
> ASCII. I guess it is not the proper way of transferring data and most  
> likely I'll face the same problem when transferring larger 2D or 3D  
> data... I searched the forum for the same topics but couldn't find an  
> answer. Also a link on one site of 'reading .mat files into IDL' was  
> broken. So, if anybody had experience ...  
>

Hi,

I don't have a solution for reading MAT files directly into IDL, but a while back (a long while now) Nick Wolf and I cobbled together a set of IDL and MatLab routines to exchange data via file I/O. Send me an email if you would like it.

Cheers,  
Ben

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