Subject: Read ".mat" files
Posted by Alberto Verga on Mon, 12 Apr 1999 07:00:00 GMT
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Does anyone know how to read binary matlab .MAT files?

".MAT" are binary data files created using the save command in MATLAB,
for example
> a = zeros(100) %define array a(100,100)
> save data a   %write array a in file data.mat

Is there any IDL "pro" code to read such files?

Thanks.
A. Verga.

--
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Subject: Re: Read ".mat" files
Posted by Nigel Wade on Tue, 13 Apr 1999 07:00:00 GMT
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Alberto Verga wrote:
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> Thanks.
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> --

I have a .pro which can read simple MATLAB version 4 files.
By simple I mean full and string matrices but not sparse matrices.

Reading MATLAB version 5 files requires you to use the MATLAB library to access
the data file as the format of the files is not in the public domain.

This
would require writing a LINKIMAGE interface or a DLM to load the
contents into
IDL variables.

If your data is saved by vn. 4, or you can save it as vn. 4 then you
could try my
routine to see if it loads your data.

BTW, it won't convert the "endian-ness" of the data. The MATLAB data
files must
be the same as the machine architecture.

If you would like to try it, e-mail me and I will send you a copy.

--

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