
Subject: Re: clever trick for reading .mat

Posted by [Craig Markwardt](#) on Fri, 06 Jul 2001 18:36:27 GMT

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Wendy Ermold <wermold@apl.washington.edu> writes:

> Hello!

>

> I would really love it if someone out there has an idl script for
> reading matlab created .MAT files. I understand that matlab doesn't want
> us to know how to do this, but I bet someone out there has managed it.
> Your help would be greatly appreciated!

I haven't heard of such a thing for IDL. I do have code which reads
IDL SAVE files, but they are not the same thing.

You might be better off asking the Octave mailing list, after first
checking the list archives. Octave is very similar to Matlab.

Also, the first thing I found on Google when searching for "matlab
file format" was a document from Mathworks specifying the format.
Some secret! In a pinch you could write a program to do what you
need, especially if you only need a few data types.

Good luck,
Craig

--

Craig B. Markwardt, Ph.D. EMAIL: craigmnet@cow.physics.wisc.edu
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response

Subject: Re: clever trick for reading .mat

Posted by [Liam E. Gumley](#) on Fri, 06 Jul 2001 18:48:53 GMT

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Wendy Ermold wrote:

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A reader for Matlab Version 4 .mat files is available at

<ftp://ion.le.ac.uk/idl/>

Cheers,

Liam.
Practical IDL Programming
<http://www.gumley.com/>

Subject: Re: clever trick for reading .mat
Posted by [Paul van Delst](#) on Fri, 06 Jul 2001 18:57:39 GMT
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Craig Markwardt wrote:

>
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It does exist. I have an old copy of `loat_mat_data.pro` written by Nigel Wade, Space Plasma Physics Group, Leicester University. He's a regular poster here so he'll see the message once the sun rises in ol' blighty. :o)

paulv

--

Paul van Delst A little learning is a dangerous thing;
CIMSS @ NOAA/NCEP Drink deep, or taste not the Pierian spring;
Ph: (301)763-8000 x7274 There shallow draughts intoxicate the brain,
Fax:(301)763-8545 And drinking largely sobers us again.
 Alexander Pope.

Subject: Re: clever trick for reading .mat
Posted by [Steve Eddins](#) on Fri, 06 Jul 2001 19:27:03 GMT
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Craig Markwardt <craigmnet@cow.physics.wisc.edu> writes:

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> Also, the first thing I found on Google when searching for "matlab
> file format" was a document from Mathworks specifying the format.
> Some secret!

Yup! Here it is:

http://www.mathworks.com/access/helpdesk/help/pdf_doc/matlab/matfile_format.pdf

Both MATLAB 4 and MATLAB 5 MAT-formats are completely documented. Have fun.

--

Steve Eddins
The MathWorks, Inc.
edkins@mathworks.com
<http://www.mathworks.com>

Subject: Re: clever trick for reading .mat
Posted by [Wendy Ermold](#) on Fri, 06 Jul 2001 20:25:42 GMT
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Infinite thanks!! That's great!

-Wendy

"Liam E. Gumley" wrote:

> Wendy Ermold wrote:
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