
Subject: Re: IDL routine to read MATLAB MAT-files
Posted by [Gordon Farquharson](#) on Tue, 22 Mar 2011 23:55:44 GMT
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On Mar 22, 4:09 pm, Gordon Farquharson <gordonfarquhar...@gmail.com> wrote:

> I've written an IDL routine to read MATLAB MAT-files. I thought that
> this routine may be useful to others on this list, so I've made the
> code available at GitHub:

I've just realized that you'll need an a routine I wrote called `add_path_sep.pro`. Here is the code. It should be platform independent, but I've only tested it on a Linux machine. (Is there a better way to do this in IDL?)

```
FUNCTION add_path_sep, dir, DEFAULT=default

  compile_opt IDL2

  sep_char = path_sep()

  IF (n_elements(dir) NE 0) THEN BEGIN
    _dir = dir
    pos = strpos(_dir, sep_char, /REVERSE_SEARCH)
    IF (pos NE (strlen(_dir)-1)) THEN _dir += sep_char
  ENDIF ELSE BEGIN
    IF (keyword_set(default) && (n_elements(default) NE 0) && $
        (size(default, /TYPE) EQ 7)) THEN BEGIN
      _dir = default
    ENDIF ELSE BEGIN
      _dir = ""
    ENDELSE
  ENDELSE

  return, _dir

END
```

Also, the `load_mat` routine only works for MAT-files written on little-endian machines.

Gordon

Subject: Re: IDL routine to read MATLAB MAT-files
Posted by [Gordon Farquharson](#) on Fri, 25 Mar 2011 04:45:01 GMT
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On Mar 22, 4:55 pm, Gordon Farquharson <gordonfarquhar...@gmail.com> wrote:
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> wrote:
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> but I've only tested it on a Linux machine. (Is there a better way to
> do this in IDL?)

Thanks to a suggestion from Jim Pendleton, I've updated the code so that it no longer requires my add_path_sep routine. It now uses the IDL filepath routine..

I'm now working on support for MAT-files written on big endian machines. I have an initial version working, but want to test it a little more before releasing it. As some stage, once I become more comfortable with git, I'll be able to make development releases available through GitHub, I'm still learning git at the moment.

Gordon
