Subject: Re: IDL routine to read MATLAB MAT-files Posted by Gordon Farquharson on Tue, 22 Mar 2011 23:55:44 GMT View Forum Message <> Reply to Message

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 littleendian machines.

Gordon

Subject: Re: IDL routine to read MATLAB MAT-files Posted by Gordon Farguharson on Fri, 25 Mar 2011 04:45:01 GMT View Forum Message <> Reply to Message

On Mar 22, 4:55 pm, Gordon Farguharson < gordonfarguhar...@gmail.com> wrote:

- > On Mar 22, 4:09 pm, Gordon Farguharson < gordonfarguhar...@gmail.com>
- > wrote:

>

- > 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?)

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