
Subject: Re: readcol procedure

Posted by [R.Bauer](#) on Fri, 13 Sep 2002 17:43:27 GMT

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Pavel A. Romashkin wrote:

> Reimar Bauer wrote:

>

>> if you use the eof method you have to read line by line. As you know idl

>> is an array orientated language so reading in an array is much faster.

>> It's really fast. If you have only 10 lines it doesn't matter but

>> sometimes we got datafiles of nearly 100.000 lines. In this case it is

>> very important.

>

>

> I am sorry to disagree.

> I routinely read large (60k-200k rows) ASCII files with unknown number

> of lines. I always use large arrays to read into and never ever use EOF

> with line by line reading.

> All I have to do is to catch I/O error in case my buffer array is too

> big as my reading approaches the end of file, then look up what size it

> should have actually been, resize the buffer, then read the last portion

> of file only. Reading a file with 80k lines using this method takes

> about 0.1 s.

> Take a look:

> http://www.ainaco.com/idl/idl_library/read_ascii_columns.pro

> Cheers,

> Pavel

I don't understand where you are disagree.

I will try a comparison with the usb device and no file cache or

how should comparisons be done?

In principle you are using eof by an on_ioError condition.

This is nearly the same. Or not ?

You are reading portions and if you know the number of rows of the file you can read this in one portions without an error.

Then it is nearly the same to my routine. The difference is only to my routine that's it only need the filename and no column input and header lines could be more or less then one line.

is this right ?

Reimar

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a IDL library at ForschungsZentrum Juelich

http://www.fz-juelich.de/icg/icg-i/idl_icglib/idl_lib_intro.html

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