Subject: Re: Writing a lot of data to ASCII file without a loop? Posted by Carsten Lechte on Tue, 12 Jul 2011 10:45:31 GMT

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On 12/07/11 12:11, Rob wrote:

- > I need to write a large array of values to an ASCII file in two long
- > columns and wondered if there was a quick way of doing it.

Write them as a single array:

```
IDL> s1 = [1,2,3,4]

IDL> s2 = [5,6,4,1]

IDL> writeit = TRANSPOSE([[s1],[s2]])

IDL> print, writeit, format = '(G15.9)'

1.00000000 5.00000000

2.00000000 6.00000000

3.00000000 4.00000000

4.00000000 1.00000000
```

That gets rid of the loop, but still does a lot of binary-to-ascii conversions, so do not expect miracles.

chl

Subject: Re: Writing a lot of data to ASCII file without a loop? Posted by rjp23 on Tue, 12 Jul 2011 11:06:59 GMT

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```
On Jul 12, 11:45 am, Carsten Lechte <c...@toppoint.de> wrote:
> On 12/07/11 12:11, Rob wrote:
>
>> I need to write a large array of values to an ASCII file in two long
>> columns and wondered if there was a guick way of doing it.
>
> Write them as a single array:
>
> IDL > s1 = [1,2,3,4]
> IDL > s2 = [5,6,4,1]
> IDL> writeit = TRANSPOSE([[s1],[s2]])
> IDL> print, writeit, format = '(G15.9)'
      1.00000000
                      5.00000000
>
      2.00000000
                      6.00000000
>
      3.00000000
                      4.00000000
>
      4.00000000
                      1.00000000
>
```

That gets rid of the loop, but still does a lot of binary-to-ascii

conversions, so do not expect miracles.
chl
That doesn't seem to quite work as it prints one below the other rather than in two columns.
e.g. in your example it'd be

Subject: Re: Writing a lot of data to ASCII file without a loop? Posted by rjp23 on Tue, 12 Jul 2011 11:09:12 GMT

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On Jul 12, 12:06 pm, Rob <rj...@le.ac.uk> wrote:

>

- > That doesn't seem to quite work as it prints one below the other
- > rather than in two columns.

format = '(2G15.9)' works

Subject: Re: Writing a lot of data to ASCII file without a loop? Posted by ben.bighair on Tue, 12 Jul 2011 11:34:33 GMT View Forum Message <> Reply to Message

On 7/12/11 7:06 AM, Rob wrote:

- > On Jul 12, 11:45 am, Carsten Lechte<c...@toppoint.de> wrote:
- >> On 12/07/11 12:11, Rob wrote:

>>

- >>> I need to write a large array of values to an ASCII file in two long
- >>> columns and wondered if there was a quick way of doing it.

>>

>> Write them as a single array:

>>

- >> IDL> s1 = [1,2,3,4]
- >> IDL> s2 = [5,6,4,1]
- >> IDL> writeit = TRANSPOSE([[s1],[s2]])

```
>> IDL> print, writeit, format = '(G15.9)'
         1.00000000
                        5.00000000
>>
        2.00000000
                        6.00000000
>>
        3.00000000
                        4.00000000
>>
        4.00000000
                        1.00000000
>>
>>
>> That gets rid of the loop, but still does a lot of binary-to-ascii
>> conversions, so do not expect miracles.
>>
>> chl
> That doesn't seem to quite work as it prints one below the other
  rather than in two columns.
>
 e.g. in your example it'd be
>
> 1
> 5
> 2
> 6
> 4
> 4
> 1
Hi,
I suspect he meant to write...
print, writeit, format = '(2G15.9)'
Note the 2, meaning print output in pairs.
Cheers,
Ben
```

Subject: Re: Writing a lot of data to ASCII file without a loop? Posted by Carsten Lechte on Tue, 12 Jul 2011 11:41:43 GMT View Forum Message <> Reply to Message

On 12/07/11 13:06, Rob wrote:

- > That doesn't seem to guite work as it prints one below the other
- > rather than in two columns.

Yup, little copy-and-paste error.

chl

Subject: Re: Writing a lot of data to ASCII file without a loop? Posted by rjp23 on Tue, 12 Jul 2011 12:55:39 GMT

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On Jul 12, 12:41 pm, Carsten Lechte <c...@toppoint.de> wrote: > On 12/07/11 13:06, Rob wrote: >> That doesn't seem to quite work as it prints one below the other >> rather than in two columns. > Yup, little copy-and-paste error. > chl

Thanks eveyrone. This has significantly sped up my code :-)