
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 quick way of doing it.

>

> Write them as a single array:

>

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

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> 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
3
4
4
1
```

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
> 3
> 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 quite 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 everyone. This has significantly sped up my code :-)
