
Subject: Re: Reading into arrays with order > 2
Posted by [Ivan Zimine](#) on Mon, 08 Nov 1999 08:00:00 GMT
[View Forum Message](#) <> [Reply to Message](#)

Hi Steven,

You are trying to read into a subscripted variable which is passed to readf by value and not by reference so when readf finishes all3MomData is unchanged.

this should work (assuming that all3MomData matches the file format, size+data type)

```
temp=reform(all3MomData[0,*,*])

for i=0, n_elements(names3Mom)-1 do begin
  openr, lun, names3Mom[i], /get_lun
  readf, lun, temp
  all3MomData[i,*,*]=temp
  free_lun, lun
endfor
```

good luck,
Ivan

Steven Riley wrote:

```
>
> Assuming names3Mom is a 1D array of strings (of valid filenames) is there
> any reason why the following code will not read many files into a 3d array?
>
> FOR I=0,1 DO BEGIN
>   close,1 & openr,1,names3Mom(I)
>   readf,1,all3MomData(I,*,*)
> END
>
> I get no error messages, but when I look at my array it contains no data...?
> I'm quite sure the files being read contain data. Is this some inherent
> problem with readf and arrays with order > 2?
>
> Steven
>
> --
>
> Linacre College
> Oxford
> OX1 3JA
>
```

> 01865 - (2)81229 (W)
> 01865 - 209295 (H)
>
> www.linacre.ox.ac.uk/student_pages/steven_riley

--

Ivan Zimine
Dpt. of Radiology (MRI), Geneva University Hospitals
email: ivan.zimine@physics.unige.ch
tel. : (+41 22) 372 70 70
