
Subject: Re: behavior of arrays

Posted by [Craig Markwardt](#) on Wed, 19 May 1999 07:00:00 GMT

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Don't get me started on this again. You can find my recent tirade on this subject under "dropped dimensions" on dejanews.com.

For the case of your structure, I think that b.d is *actually* still a 10x1 array, but any access to it will cause IDL to automatically collapse the degenerate dimension in the expression. Therefore, even HELP thinks that it is a 10-vector, not a 10x1 array.

Practically speaking, you will need to REFORM() your array whenever you need to use it.

Craig

"R.Bauer" <R.Bauer@fz-juelich.de> writes:

```
>
> I have some problems to understand the logic which may be behind the
> handling of an array
> like defined.
>
> Why is the result help, b.d only [10] and not [10,1] ?
>
> This means I will lose the information that's it is / was a 2-dim
> dataset.
...
> d=reform(findgen(10),10,1)
> help,d
> ;D          FLOAT    = Array[10, 1]
>
> b=create_struct('d',d)
> help,b,/str
>
> ;** Structure <1348428>, 1 tags, length=40, refs=1:
> ;  D          FLOAT    Array[10, 1]
>
>
> help,b.d
> ; <Expression>  FLOAT    = Array[10]
```

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Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response
