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Subject: Re: too many elements  
Posted by [R.G. Stockwell](#) on Fri, 12 Jun 2009 20:23:50 GMT  
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"Hu" <jhaohu@gmail.com> wrote in message  
news:f175a445-a040-4598-8d70-9aa93613d151@s1g2000prd.google.roups.com...  
> folks  
>  
> As I have read the themes in this group that refers to 'Array has too  
> many elements'. I do not got the idea about how to solve my following  
> problem.  
>  
> supposing that I have to define a matrix ( like, A) that have  
> 10000\*90000\*10000 elements. how can obtain this without change the 32-  
> b operate system? sentence like  
>  
> A=fltarr(10000,90000,10000)  
>  
> will cause an error 'Array has too many elements.', dose pointer in  
> IDL can help this? if yes, how?  
>  
> Thanks.

Have you tried:

```
IDL>A=fltarr(10000,90000,10000,/use_star_trek_computer)
```

:)

if that doesn't work, I suggest you reformulate your problem into a form that is possible. To perform even a simple operation on each element of that array would take a very long time.

By way of perspective, if you measured a temperature at each latitude, at each longitude, at each kilometer of altitude up to 100km, each hour for 158 years, you'd have a data set about that size.

cheers,  
bob

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