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.googleg 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