Subject: Re: which array dimensions are contiguous?
Posted by David Fanning on Mon, 13 Feb 2006 20:04:43 GMT
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greg michael writes:

> I know somebody wrote this only recently, but I can't find it again. If
> the function below, EvaluateFunctionSection, returns a 2-d array
> (ns,nl), will assignment put it into contiguous memory, or make some
> kind of awful (slow?) mess?
>
> b=fltarr(ns,nl,n_elements(f))
> for i=1,n_elements(f) do begin
>
> b[*,*,i]=self-> EvaluateFunctionSection(f[i],ln,sm,nl,ns,downsample=downsamp le)
> endfor

It will make a (slow) mess. Do this, instead:

```
  b[0,0,I]=self->EvaluateFunctionSection[I], $
    ln,sm,nl,ns,downsample=downsample)
```

See this article:

http://www.dfanning.com/misc_tips/submemory.html

Cheers,

David
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