Subject: Re: simple vectorizing problem
Posted by Spon on Thu, 11 Sep 2008 12:15:11 GMT
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> I thought the trick with an indexing array ('a' in the example above)
> would work because if I say
> b = indgen(101)/(!pi/100)
> print, cos(b)
>
> I get not one number out but an array of cos() evaluated from 0 to pi
>
> I guess I don't understand how the cos() example gives me an array
> back, and
> myFunctThatDoesSomeAnalysis(image(*,*,a)) gives me just one number.

Simply put, the IDL function COS() has been specifically written so it
can take either scalars or arrays as arguments. If you want
myFunctThatDoesSomeAnalysis() to do the same, you have to write it in
such a way that it can also handle arrays.
Whether this can be done without expensive FOR loops depends entirely
on what your function does. If it can be done, it's probably
worthwhile doing it though.

> Thanks,
> David M.

Regards,
Chris