Subject: Re: Loop through arrays with different names
Posted by greg.addr on Thu, 02 Aug 2007 13:27:55 GMT

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On Aug 2, 2:04 am, hazel <hazel.ken...@gmail.com> wrote:
> Hello,
>
> I have a really simple problem that always happens when I starting
> trying to use strings..
>
> I want to loop through a series of arrays, each with a slightly
> different name (det1arr(n,3), det2arr(n,3), det3arr(n,3)..etc..) and
> subject each to the same function:
>
> a quick outline is:
>
> for j=1,8 do begin
>
> for i=0, n-1 do begin
>
> vx=det1arr(i, 0) ; where the 1 is effectively the value of 'j'
> vy=det1arr(i, 1)
> vz=det1arr(i, 2)
>
> result(i,j)=some_function(vx, vy, vz)
>
> endfor
>
> So can I do something like: vx=det+j+arr(i,0)? (Only that clearly
> won't work)? There must be a way? Otherwise I can reload all my
> different arrays into one array I realise and just loop through that.
>
> I'm sure it's something painfully simple and for that I apologise, but
> it is the end of the day (for me anyway),
>
> Thanks,
>
> Hazel

I'd vote for putting them in a single array. I'm pretty sure this will
turn out the cleanest option. You can put them together like this:

detarr=[[[det1arr]],[[det2arr]],...]

although it would likely be better to create them in a detarr(n,3,8)
in the first place. You may find that you can carry out your entire
calculation as an operation on the array, rather than chugging through
all the elements.

regards,
greg