
Subject: Re: Vectorization question

Posted by [Liam E. Gumley](#) on Thu, 14 Sep 2000 07:00:00 GMT

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Liam E. Gumley <Liam.Gumley@ssec.wisc.edu> wrote in message
news:39C1179A.EF9CA04E@ssec.wisc.edu...

```
> c ... This is the routine which does the work.  
> c ... The arguments are defined exactly the same as in the  
> c ... call_external procedure call in IDL.  
>      subroutine vecadd1(a, na, x, nx, b)  
>      integer*4 na, nx  
>      real*4 a(na), b(nx)  
>      integer*4 x(nx), i  
>      do i = 1, nx  
>        a(x(i)) = a(x(i)) + b(i)  
>      end do  
>      end
```

I forgot FORTRAN uses 1-based indices by default. What I *meant* to say was:

```
subroutine vecadd1(a, na, x, nx, b)  
integer*4 na, nx  
real*4 a(0:na-1), b(0:nx-1)  
integer*4 x(0:nx-1), i  
do i = 0, nx - 1  
  a(x(i)) = a(x(i)) + b(i)  
end do  
end
```

Cheers,
Liam.
