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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.

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