
Subject: Re: cumulative function?

Posted by [wonko](#) on Fri, 24 Jul 1998 07:00:00 GMT

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dschmidt@lanl.gov (David M. Schmidt) wrote:

> Anyone know of a fast (e.g. built-in) way to construct a cumulative
> vector from a given input vector?
>
> The slow way is:
>
> Given A(100)
> C=fltarr(100)
> C(0)=A(0)
> For i=1,99 do C(i)=C(i-1)+A(i)

You could use an index array:

```
index = indgen( 99 ) + 1  
C(0) = A(0)  
C(index) = C(index-1) + A(index)
```

Or the shift function:

```
C(99) = 0  
C = shift( C, 1 ) + A ; or was it -1 ?
```

Alex

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PGP Key available