
Subject: Re: Loop question

Posted by [promashkin](#) on Mon, 19 Jun 2000 07:00:00 GMT

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Hello Kyle,

Maybe the following will work for you:

```
samples=256
temp_arr=FLTARR(samples)
data_arr=FLTARR(5000)
ind_arr=LONG(LINDGEN(1000)*0.256)
```

```
key_arr = [0, where(ind_arr - shift(ind_arr, 1) eq 1)]
temp_arr = data_arr[key_arr]
```

This will work with the way of filling of IND_ARR that you provided. In the given example, it also looks to me that temp_arr can never receive any values subsequent to data_arr[999].

Cheers,

Pavel

"R. Kyle Justice" wrote:

```
>
> Can the following FOR loop be vectorized?
>
>  samples=256
>  temp_arr=FLTARR(samples)
>  data_arr=FLTARR(5000)
>  ind_arr=LONG(LINDGEN(1000)*0.256)
>
>  FOR j=0L,samples-1 DO BEGIN
>    temp_ind=WHERE(j EQ ind_arr)
>    temp_arr(j)=data_arr(temp_ind(0))
>  ENDFOR
>
> Kyle J.
```
