
Subject: Was: Index... Now: Vectorize, huh?

Posted by [Pavel A. Romashkin](#) on Thu, 05 Apr 2001 19:24:25 GMT

[View Forum Message](#) <> [Reply to Message](#)

Craig and Med,

I appreciate it! This is exactly what I needed. My problem is the lack of matrix operations knowledge. Craig's generic solution is exactly what I expected to see from Craig :-)

By the way. We all are big on vectorizing things in IDL. But look at this:

```
IDL> a = test(2000)
```

```
1.4968959
```

```
IDL> a = test(2000, /v)
```

```
3.2976190
```

where TEST is below. I don't even mention that /VEC causes extremely high memory usage and gets totally out of hand on my system if S > 5000 or so.

```
.*****  
,  
pro test, s, vec=vec  
start = systime(1)  
x = findgen(s)  
a = fltarr(s, s)  
if keyword_set(vec) then begin  
a = sqrt(transpose(rebin(x, s, s))^2 + rebin(x, s, s)^2)  
endif else begin  
for i = 0, s-1 do begin  
a[0, i] = sqrt(x^2 + i^2.)  
endfor  
endelse  
print, systime(1) - start  
;return, a  
end  
.*****  
,
```