

---

Subject: Re: max, mean, min of array

Posted by [Craig Markwardt](#) on Thu, 24 Jan 2002 15:29:28 GMT

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

---

Alex Schuster <Wonko@planet-interkom.de> writes:

```
> It's possible without, um, with fewer loops:
>
> zdim = (size( array, /dimension ))[2]
> pixmin = ( pixmax = array[*,*,0] )
> for i = 1, zdim-1 do begin
>   pixmax = pixmax > array[*,*,i]
>   pixmin = pixmin < array[*,*,i]
> endfor
> pixmean = total( array, 3 ) / zdim
>
> Hey Craig, I think with this method you can get rid of your ho, hum
> comment in cmaply.pro.
```

Very cool! I think I've been "outvectored" on this one.

Alex, I think \*both\* solutions should be possible. Consider the following scenario: instead of a 400x400x12 array, how about a 2x2x1000000 array? Using your technique we would end up doing 1000000 iterations, but with mine it would only be 4.

Thus, the code should contain both solutions, and pick whichever one takes fewer iterations.

Craig

--

-----  
Craig B. Markwardt, Ph.D.      EMAIL:    craigmnet@cow.physics.wisc.edu  
Astrophysics, IDL, Finance, Derivatives | Remove "net" for better response  
-----

---