
Subject: max, mean, min of array

Posted by [dinhnq](#) on Sun, 06 Jan 2002 14:25:21 GMT

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Dear Lists,

I have an array of 400,400,10 contains 10 month $Ti_{\frac{1}{2}}$ of 400x400 pixel area. I am trying to calculate min, max, mean $Ti_{\frac{1}{2}}$ for each pixel and output is 400x400 image. How to solve this by IDL?

Any help will be appreciate,

Huong Dinh

Subject: Re: max, mean, min of array

Posted by [Wonko\[1\]](#) on Sat, 26 Jan 2002 22:33:00 GMT

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craigmnnet@cow.physics.wisc.edu (Craig Markwardt) wrote:

- > 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.

Yeah, I thought of that, but I had thought about the Send-button first.

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

Right.

While you are at it: Why not allow any generic function to be cmaplied? This would work like MAX() and MIN() as it does now, but with CALL_FUNCTION(). So we would have MEDIAN(), STDEV() and so on.

Alex

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