Subject: Re: percentile with dimension keyword
Posted by ben.bighair on Wed, 20 Jul 2011 14:03:04 GMT
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On 7/20/11 12:53 AM, JP wrote:
> thanks,
>
> What I am after is a function that could be used in an array with 3 dimensions.
> like:
>
> array = Lindgen(1000,1000,100)
> median_array = MEDIAN(array, dimension=3)
>
> the result will be a 2d array of 1000x1000
>
> something like that but for any percentile (the example abobe would give the 50th percentile)
>
> thanks
>
> JP

Hi again,

I think you could use the PERCENTILE function (provided by Kim) or some variant of it with Craig Markwardt's CMAPPLY function. CMAPPLY accepts a user defined function name as the operation and the dimension over which to apply the operation. You can find it here...

http://www.physics.wisc.edu/~craigm/idl/down/cmapply.pro

Something along the lines of (untested) ...

r = CMAPPLY("USER:PERCENTILE", data, 3, functargs = {PERCENT: 95})

Cheers,
Ben