
Subject: How to write a function that can be apply to arbitrary dimension of multiple array!

Posted by [Dave\[4\]](#) on Sun, 20 Oct 2013 03:20:03 GMT

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Hi, guys:

I want to write a function which can be apply to specified dimension of multiple array, like "mean function which has DIMENSION= parameters.

So, any suggestions! Very thanks!

dave
10/20, 2013

Subject: Re: How to write a function that can be apply to arbitrary dimension of multiple array!

Posted by [Russell Ryan](#) on Sun, 20 Oct 2013 21:29:21 GMT

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On Saturday, October 19, 2013 11:20:03 PM UTC-4, Dave wrote:

> Hi, guys:

>

> I want to write a function which can be apply to specified dimension of multiple array, like "mean function which has DIMENSION= parameters.

>

> So, any suggestions! Very thanks!

>

> dave

>

> 10/20, 2013

I guess this depends on what you want the function to do?

Subject: Re: How to write a function that can be apply to arbitrary dimension of multiple array!

Posted by [SonickEnking](#) on Mon, 21 Oct 2013 00:13:48 GMT

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On Sunday, October 20, 2013 2:20:03 PM UTC+11, Dave wrote:

> Hi, guys:

>

> I want to write a function which can be apply to specified dimension of multiple array, like "mean function which has DIMENSION= parameters.

>

> So, any suggestions! Very thanks!

>

> dave

>
>

10/20, 2013

You can have a look at Markwardt's CMAPPLY (Apply generic function to array)
<http://www.physics.wisc.edu/~craigm/idl/down/cmapply.pro>

I also have done something similar but with a different approach. But I never had time (or just too lazy) to clean up the code to a state that it can be published on its own ...

Subject: Re: How to write a function that can be apply to arbitrary dimension of multiple array!

Posted by [Dave\[4\]](#) on Mon, 21 Oct 2013 15:26:45 GMT

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>

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>

> dave

>

> 10/20, 2013

Hi, Carsten:

Your method using "tranpose" is what I am doing now.

And if I want to extrat elements, just use like
array[1,*,*,*,*,*], which can apply to arbitrary
dimension array. Very thanks!

Dave
2013/10/21
