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Subject: Re: extracting subarray (\*,\*,index) gives (1,1,index). WHY ???

Posted by [a2652099](#) on Tue, 20 Aug 1996 07:00:00 GMT

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In article <3219CC9A.53D7@neurologie.uni-duesseldorf.de>  
knorr@neurologie.uni-duesseldorf.de (Uwe Knorr) wrote:

> i want to extract a line from a 3D image by doing  
> line = image(\*,\*,z)

A line? Wouldn't that rather be image(a,b,\*) ?

> i expect line to be a 1d vector with dimension dim(z)  
> or to be more IDLish, i expect the following to hold  
> size(line) == (z)  
> but instead I get  
> size(line) == (1,1,z)  
> I hope you know what I mean.

If I do, I think using the REFORM command would help you, eg.

line = REFORM( image(a,b,\*), z ),  
where z is the 3rd dimension of your array. This converts your (1,1,z)  
array into the (z) array.

Alex

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