Subject: Re: extracting subarray (*,*,index) gives (1,1,index). WHY ???
Posted by peter on Wed, 21 Aug 1996 07:00:00 GMT
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Uwe Knorr (knorr@neurologie.uni-duesseldorf.de) wrote:
: Dear reader,

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

Bit confusing here, line=image(*,*,z) will give you a (nx,ny,1) result.
You probably meant you do line=image(x,y,*), which gives a (1,1,nz)
result. If you want a (nz) result, do line=reform(image(x,y,*)).
Reform, used like this, strips collapses leading dimensions of length 1.

Peter