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Subject: Re: How to scale image in idl?

Posted by [Thomas A. McGlynn](#) on Thu, 16 May 1996 07:00:00 GMT

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David Foster wrote:

>

> peter@hpl.hp.com (Peter Webb) wrote:

>>

>> Watcher (dliu@cs.tufts.edu) wrote:

>> : I've used tv and tvscl to display the image, however it is too honest to

>> : the size of the image itself. Is there a way to scale the image so that

>> : it fits the display window?

>>

>> Use CONGRID to interpolate the image matrix to the window size.

>

> You can also use EXPAND to change the size of an image. It's similar

> to CONGRID and I don't know which one is faster. They have slightly

> different options available.

>

> If the window size is an integer multiple of the image size

> then use the REBIN function as it is significantly faster,

> especially for large images.

>

> Dave Foster

> UCSD Brain Image Analysis Lab

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But if you use REBIN (and maybe CONGRID) read the documentation carefully and see if what happens to the last column/row is acceptable. When data is expanded by an integral factor, the last column/row will be repeated the integral number of times even if the other pixels are being interpolated. I find the behaviour counter-intuitive but it is fully documented.

Tom McGlynn

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