
Subject: Re: Zoom-like procedure

Posted by [Craig Markwardt](#) on Sat, 28 Jul 2001 20:06:01 GMT

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Bob Fugate <rpfugate@mindspring.com> writes:

> I am displaying small parts (e.g. 16x16 pixels) of images and need to zoom
> regions up to a size large enough to see the relative brightness of the
> pixels. The ZOOM procedure does exactly what I want, but in an interactive
> mode. Does anyone know of a function or procedure or other means that would
> allow me to include this feature in my program to automatically zoom a
> preselected subregion of the image? REBIN, and CONGRID resample and that is
> not what I want, I just want the intensity in each original pixel to be
> reproduced everywhere in a synthesized, larger pixel, ideally whose size I
> can choose.

Bob,

Isn't this exactly what REBIN does? It replicates pixels. The value
of this BLOWUP:

```
blowup = rebin(img(0:15,0:15), 16*nscale, 16*nscale)
```

is a new array with NSCALE times as many pixels in each direction as
the original 16x16 subimage. Then of course you have to TV it onto
the screen. :-)

Craig

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