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Subject: Re: rebin with missing data?

Posted by [Stein Vidar Hagfors H](#) on Tue, 28 Oct 1997 08:00:00 GMT

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i001@justwright.com wrote:

>  
> Hello,  
>  
> Does anyone have a routine to resize an array that contains missing data,  
> please? The missing data value us that I use corrupts the real data in the  
> in-built resizing routines.  
>  
> If anybody has one, I'd be very grateful for it.

Hi,

I don't have any existing routine per se, but I've done something similar before with the interpolate routine to do some morphing.

Given e.g., IMAGE=fltarr(100,100), where missing values are flagged with the value MISSING.

Then, do the following (this assumes that at least one pixel in IMAGE is missing - otherwise just skip everything!).

```
mask = make_array(size=size(image))  
ix = where(image eq missing)  
mask(ix) = 1.0
```

```
image = rebin(image,sz1,sz2) ;; Where sz1, sz2 are the final sizes  
mask = rebin(mask,sz1,sz2) ;;
```

```
;; Now, find all pixels influenced by the missing values:
```

```
ix = where(mask)  
image(mask) = missing ;; Flag them as missing
```

That should be it, basically...

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