
Subject: Congrid problem

Posted by [Jonathan Joseph](#) on Fri, 23 Feb 2001 05:23:36 GMT

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I'm running IDL 5.3 on HP-UX and seeing the following problem with congrid. I have a byte image that has large areas of a particular solid color (a background color).

I rescale the image to be larger using congrid with the /interp flag set. My nice solid areas of the background color, which I would still expect to see unspoiled, now have artifacts in them with value background_color - 1. This looks like a bug. What's going on?

Here's an example that show's the problem:

```
IDL> a = bytarr(100,100) + 155b
IDL> b = congrid(a,140,140,/interp)
IDL> print, min(b), max(b)
154 155
IDL> w = where(b eq 154, count)
IDL> print,count
3703
IDL> tvscl, b eq 154 ;shows strange pattern of lines and dots
```

I would expect b in this example to be filled only with value 155. Is this a bug or is there some other reason I am seeing this behavior?

BTW: I see the exact same behavior with INT instead of BYTE.

Thanks.

-Jonathan

Subject: Re: Congrid problem

Posted by [Jeff Kolthammer](#) on Mon, 26 Feb 2001 18:53:21 GMT

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No apparent bug on Alpha...

```
IDL> print, !version
{ alpha OSF unix 5.4 Sep 25 2000    64  64}
IDL> a = bytarr(100,100) + 155b
IDL> b = congrid(a,140,140,/interp)
IDL> print, min(b), max(b)
155 155
IDL> w = where(b eq 154, count)
IDL> print,count
```

0

```
> Here's an example that show's the problem:
>
> IDL> a = bytarr(100,100) + 155b
> IDL> b = congrid(a,140,140,/interp)
> IDL> print, min(b), max(b)
> 154 155
> IDL> w = where(b eq 154, count)
> IDL> print,count
> 3703
> IDL> tvscl, b eq 154 ;shows strange pattern of lines and dots
>
```

Subject: Re: Congrid problem
Posted by [Nigel Wade](#) on Tue, 27 Feb 2001 10:17:32 GMT
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>>> >>>>>>>>>>>>> Original Message <<<<<<<<<<<<<<

On 26/02/01, 18:53:21, "Jeff Kolthammer" <shroom79@hotmail.com> wrote regarding Re: Congrid problem:

```
> No apparent bug on Alpha...

> IDL> print, !version
> { alpha OSF unix 5.4 Sep 25 2000      64  64}
> IDL> a = bytarr(100,100) + 155b
> IDL> b = congrid(a,140,140,/interp)
> IDL> print, min(b), max(b)
> 155 155
> IDL> w = where(b eq 154, count)
> IDL> print,count
>      0
```

The problem also exists in IRIX.

So far it's little-endian 2, big-endian 0. I wonder if that has anything to do with it. Offhand I can't see why it would.

—

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