Subject: Re: I have committed a sin CONGRID
Posted by dmarshall on Thu, 06 Dec 2001 15:35:03 GMT
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Jaco, yes, you are right.
I thought I was wrong but I was wrong about being wrong
hoo boy
Thanks for setting me straight.
This little test will let me sleep now.
The [1,*,*] plane remains 0's.
Dave.

```
pro congridtest

RGBimage=intarr(3,10,10)
RGBimage[0,*,*]=3
RGBimage[2,*,*]=5
RGBimage[1,*,*]=0
print, RGBimage[0,*,*]
print, RGBimage[2,*,*]
print, RGBimage[1,*,*]

RGBimage=CONGRID(RGBimage,3,13,13)

print, RGBimage[0,*,*]
print, RGBimage[2,*,*]
print, RGBimage[1,*,*]
END
```

In article <3C0F7F33.F3766F58@fz-juelich.de>, Jaco van Gorkom
<j.c.van.gorkom@fz-juelich.de> writes:
> dmarshall@ivory.trentu.ca wrote:
>> I was using CONGRID to resize an RGB image array which is [3,x,y] large
>> I just realized CONGRID will not resize the R,G, and B planes separately.
>> I will get a kind of smeared/diluted image, which looks OK, but....
>> I _know_ it's obvious ... now.
>
> Is it obvious? If you resize to CONGRID(image, 3, newx, newy) ?
> From the online help (IDL 5.4):
> [...] when shrinking an array, [...] CONGRID just resamples the array.
> [when expanding an array,] CONGRID automatically uses linear interpolation
> if the input array is 3-dimensional.
> So, as long as you do not resize the first dimension (3), shouldn't you be
> ok?
>
> Jaco