
Subject: Re: changing matrix size using interpolation
Posted by [oxfordenergyservices](#) on Mon, 17 Jan 2011 15:52:07 GMT
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On Jan 17, 2:59 pm, David Fanning <n...@dfanning.com> wrote:

```
> David Fanning writes:
>> I think most people use the CONGRID command, with the INTERP
>> keyword set.
>
>> b = Congrid(a, 7, 7, /INTERP)
>
> And now that I think about it, I think the CENTER keyword
> should probably be set, too, especially if you are working
> with small arrays.
>
> b = Congrid(a, 7, 7, /INTERP, /CENTER)
>
> Cheers,
>
> David
```

Thanks David

I tried both ways, they look identical (in tv, bytscl and shade_surf) but they do different things outside the topographic region (ie sea level) when /cubic is set. They also seem to have 5% difference on the land, but could be due to subtly different algorithms
