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Subject: What does GRID keyword to INTERPOLATE do?

Posted by [David Fanning](#) on Wed, 12 Sep 2012 17:46:08 GMT

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Folks,

Can anyone is explain in layman's language what the GRID keyword to INTERPOLATE does?

I have a line of code like this:

```
warpedImage = Interpolate(data, xindex, yindex, MISSING=missing)
```

Where data is a 2D array and where xindex and yindex are regular grids having dimensions of the output warped image. All is well if I run the code like this.

However, if I set the GRID keyword to INTERPOLATE, then my machine is either brought to its knees and I have to reboot, or I get the "Unable to Allocate Memory to Make Array" message. I am expecting a 300x300 output image, but by setting the GRID keyword I seem to be creating a 40000x40000 array! Why!?

Cheers,

David

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Coyote's Guide to IDL Programming: <http://www.idlcoyote.com/>

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

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