
Subject: Keywords GS and LIMITS not allowed in TRIGRID
Posted by [Scott Applequist](#) on Sun, 13 Jul 1997 07:00:00 GMT
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I am trying to specify the grid spacing and limits in the TRIGRID function (1-909R). I am getting an error message that neither keyword is allowed in this function (quite contrary to the documentation it seems). The following are the relevant code and error message I receive. Thanks for any possible guidance.

```
;These arrays contain 74 longitude, latitudes, and geopotentials
bigbox=[15.,-115.,60.,-60.]
xlon = fltarr(nh)
xlat = fltarr(nh)
hght = fltarr(nh)
```

```
;Data assignment statements
```

```
.
```

```
triangulate, xlon, xlat, tr, b
gridhght = trigrid(xlon, xlat, hght, tr, extrapolate=b $
               ,gs=[1.0,1.0] , limits=bigbox )
```

```
-----Session Output-----
```

```
IDL. Version 4.0.1 (vms alpha).
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Installation number: 12608-30.
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```

```
IDL> .run test
% Compiled module: $MAIN$.
571201/0000
    68 good values
% Keyword GS not allowed in call to: TRIGRID
% Execution halted at: $MAIN$          36
  FEDORA$DKB200:[SCOTT.PROGS.FIXDATA]TEST.PRO;11
```

If I omit the gs=[1.0,1.0] part, the same error is returned with the word LIMITS in place of GS. If both are omitted, TRIGRID works, but not with the desired grid spacing or limits.

Subject: Re: Key

Posted by [Liam Gumley](#) on Thu, 06 Nov 1997 08:00:00 GMT

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Neil Winrow wrote:

- > I wish to produce a Key for the plots I'm producing. The data on the
- > plots are colour coded, and I wish to display a key on the plot to show
- > what the different colors represent. Does anyone know of a simple method
- > other than using a series of 'XYOUTS' statements.

The LEGEND procedure from the ESRG library at

<ftp://icess.ucsb.edu/pub/idl>

can usually be coaxed to do this sort of thing pretty well.

Cheers,
Liam.
