
Subject: Re: trigrd + triangulate -> zero values -> ignore zeros on cgcontour

Posted by [Matthew Argall](#) on Thu, 23 Jan 2014 14:31:24 GMT

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> it gives an error: CONTOUR: Invalid value specified for keyword LEVELS: No finite elements.

>> userLevels = IndGen(levels) * step + Min(mx)

Your "userLevels" do not have any finite elements. Check to see what they are. Perhaps set the /NAN keyword in the Min function.

```
IDL> data = dist(256)
IDL> userlevels = indgen(10)
IDL> userlevels = cgsclevector(userlevels, min(data), max(data))
IDL> print, userlevels
    0.00000    20.1133    40.2265    60.3398    80.4530
   100.566    120.680    140.793    160.906    181.019
IDL> cgcontour, data, /fill, LEVELS=userlevels
```

```
IDL> userlevels[3] = !values.f_nan
IDL> cgcontour, data, /fill, LEVELS=userlevels
IDL> userlevels += !values.f_nan
IDL> print, finite(userlevels)
    0  0  0  0  0  0  0  0  0  0
IDL> cgcontour, data, /fill, LEVELS=userlevels
% CONTOUR: Invalid value specified for keyword LEVELS: No
    finite elements.
% CONTOUR: Invalid value specified for keyword LEVELS: No
    finite elements.
% CONTOUR: Invalid value specified for keyword LEVELS: No
    finite elements.
```
