
Subject: Contour value in each point in XY plane
Posted by [amin farhang](#) on Sat, 12 Apr 2014 07:39:58 GMT
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Dear all,

Is there any way to find the contour value in each arbitrary point in XY plane irregular contour?
For instance in following example I want to find the contour value at point [10,10] or any other point

```
IDL> nlevels = 12
IDL> LoadCT, 33, NColors=nlevels, Bottom=1
IDL> x = RANDOMN(seed, 50)
IDL> y = RANDOMN(seed, 50)
IDL> z = EXP(-(x^2 + y^2))
IDL> TRIANGULATE, x, y, tr, b
IDL> cgcontour, TRIGRID(x, y, z, tr)
```

Best,
