
Subject: sort points clockwise or clounterclockwise
Posted by [junsix](#) on Mon, 08 Jun 2015 20:32:51 GMT
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Hi,

I am trying to order points of closed polygon in clockwise or counterclockwise.
Here is a octagon and I tried to use Triangulate that I searched.

```
2 0
6 3
4 5
1 7
```

```
IDL> x=[3.,2.,2.,4.,1.,4.,1.,3.]
IDL> y=[4.,1.,4.,3.,2.,2.,3.,1.]
IDL> TRIANGULATE, X, Y, Triangles
IDL> help,triangles
TRIANGLES    LONG    = Array[3, 6]
IDL> print,triangles
      4      1      7
      4      7      6
      6      7      2
      2      7      5
      2      5      3
      2      3      0
```

The Triangulate returns each triangles in clockwise, while points in each triangles in counterclockwise.

But, what I need is to order points in clockwise or counterclockwise, e.g. 146203571 or 75302641, and then make polygon to calculate area and perimeter.

Thank you in advance.

Jun
