
Subject: Re: tracing contours, how?

Posted by [davidf](#) on Thu, 22 Jan 1998 08:00:00 GMT

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Thorsten Becker (becker@fas.harvard.edu) writes:

```
> I am trying to trace a special contour line in a 2D field, t, to
> get the coordinates in data units. I tried
>
> CONTOUR, t, PATH_XY=xy, PATH_INFO=info, levels=contourlevels
> k = 0
> FOR i=0, (N_ELEMENTS(info) - 1 ) DO BEGIN
>     FOR j=0, info(i).n-1 DO BEGIN
>         IF((info(i).value EQ tracecontourvalue) THEN BEGIN
>             print, info(i).value, xy(0, k+j), xy(1, k+j)
>         ENDIF
>     ENDFOR
>     k = j
> ENDFOR
>
> and was hoping that this would trace the polygons and give me all points
> in normalized units if the contourvalue is tracecontourlevel. I got the
> right contour, but the points it printed didn't really make sense. Why?
> Did anybody solve this problem with IDL?
```

Perhaps I don't understand this question, but why won't this work:

```
CONTOUR, t, PATH_XY=xy, /Path_Data_Coords, $
    levels=tracecontourvalue
```

Cheers,

David

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