

---

Subject: Re: One ellipse to rule them all

Posted by [David Fanning](#) on Mon, 11 Feb 2008 22:51:16 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

ianpaul.freeley@gmail.com writes:

> I'm hoping someone has done this before and can help me out.  
>  
> I have a bunch of x,y points, and I'd like to find the ellipse (with  
> minimum area) that encompasses all of them. Any thoughts?

I can show you how to find an ellipse:

[http://www.dfanning.com/ip\\_tips/fit\\_ellipse.html](http://www.dfanning.com/ip_tips/fit_ellipse.html)

To enclose all the points I would, uh, expand it slowly. :-)

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming ([www.dfanning.com](http://www.dfanning.com))

Sepore ma de ni thui. ("Perhaps thou speakest truth.")

---