
Subject: Re: Antes de FAC Club
Posted by [David Fanning](#) on Fri, 27 Apr 2007 21:07:31 GMT
[View Forum Message](#) <> [Reply to Message](#)

kuyper@wizard.net writes:

- > What precisely do you mean by "put this tower back in the proper
- > orientation"? Do you actually want to modify the tower. If so, what
- > kinds of modification are permitted, and which are prohibited?
- > Alternatively, are you trying to find a point of view that makes it
- > look "similar" in some sense to the way it would look if it didn't
- > list? If so, in what way should the appearance be "similar"?

Here is one approach I have thought about, and haven't tried to implement yet. If I took contours through the several cans piled on top of each other, as I got closer to the top of the tower the contours would get more and more like ellipses, rather than circles, because the cans at the top lean more than the cans at the bottom.

If I found the center of each contour, and fitted a line through them, say with a stiff wire. I would like to be able to bend the stiff wire into a straight line and tilt the entire structure until the straight line was perpendicular to the XY plane and pointing in the +Z direction. As I did so, I would carry the cans with me.

The effect I am trying to achieve is to stack each can on top of the other, so that if I look down on them from above (you can imagine gazing into your lover's eyes), I would see a sort of bulls-eye pattern.

I'm afraid modesty prohibits me from actually providing a picture.

Cheers,

David

--

David Fanning, Ph.D.

Fanning Software Consulting, Inc.

Coyote's Guide to IDL Programming: <http://www.dfanning.com/>

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