
Subject: Re: DXF and other CAD file formats
Posted by [Rick Towler](#) on Mon, 03 Dec 2001 17:45:07 GMT
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I have waited a few days for someone who knows what they are talking about to sound off and that hasn't happened. Sorry Georg, I guess you'll have to put up with my response...

Although I haven't tried writing DXF files, my guess is that your connectivity array is wrong. I know that if I were trying to create an IDL (opengl) polyline, my connectivity array would have more elements than that (in your case it would be [4,0,1,2,3]). I didn't see any documentation regarding this in the IDLffDXF docs but there was an example similar to yours. Maybe you should start there?

-Rick

"Georg Wiora" <georg.wiora@DaimlerChrysler.com> wrote in message news:1104_1007043323@rtulmrb142...

```
> Hi everybody,
>
> I have problems using the polyline feature in an IDLffDXF object. I
connect 4 points with a line, using the CONNECTIVITY array. When I add this
object, I allways get the following message:
> % IDLFFDXF::PUTENTITY: DXF error: DXF Polyline: explicit connectivity
ignored
> For a little test program see the code below.
>
> Does anyone know about this problem?
>
> Is there any other free code to create 3D-CAD-Files formats like STL or
IGES or whatever?
>
> Thanks for your help!
>
> Georg
>
>
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> PRO Write_DXF_Lines
>
> dxf = OBJ_NEW('IDLffDXF')
>
> ; 4 points
> points = DBLARR(3,5)
> points(*,0) = [0,0,0]
```

```

> points(*,1) = [1,0,0]
> points(*,2) = [1,1,0]
> points(*,3) = [1,1,1]
> points(*,4) = [0,1,1]
> ; Connectivity
> connect = [0,1,2]
> ; Create pointers
> ppoints = PTR_NEW(points,/NO_COPY)
> pconnect = PTR_NEW(connect,/NO_COPY)
>
>
> ; Create a polyline object
> pline = {IDL_DXF_POLYLINE}
> pline.Vertices=ppoints
> pline.Connectivity=pconnect
> pline.Color=256
> pline.DXF_Type=7 ; 7=POLYLINE
> pline.BLOCK="" ; default block
> pline.Layer='0' ; default layer
>
> dxf->PutEntity, pline
>
> IF NOT dxf->Write('test.dxf') THEN $
>   MESSAGE,'Write failed',/INFORMATIONAL
>
> ; Free pointers
> PTR_FREE,ppoints
> PTR_FREE,pconnect
> OBJ_DESTROY,dxf
>
> xdxfl,'test.dxf'
> END
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>
>

```
