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Subject: DXF and other CAD file formats

Posted by [Georg Wiora](#) on Thu, 29 Nov 2001 14:15:23 GMT

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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
```

```
dx->PutEntity, pline  
  
IF NOT dx->Write('test.dxf') THEN $  
  MESSAGE,'Write failed',/INFORMATIONAL  
  
; Free pointers  
PTR_FREE,ppoints  
PTR_FREE,pconnect  
OBJ_DESTROY,dxf  
  
xdxf,'test.dxf'  
END  
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```

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