
Subject: Re: about DXF format

Posted by [airy.jiang](#) on Thu, 14 Jun 2007 01:51:49 GMT

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Rick,Maybe you are right.

The DXF format is indeed complicated,I knew it and I have read some documents about that.The key is a DXF file is not only has "Entity" section,but also include many other sections,like "Table" section,"Object" section,"Class" setction and so on.The IDLffDXF object can get a lot information from one DXF file by the GetEntity method.Just like I've wrote,we can get the most basic vertex data and vertex connectivities,that is enough information to make a full polygon.But that's all we can do until now.The truth is,I use GetContent method get the entity type of the file,the result is [9,18,19,20],that represents the types of the entities which including in the

file :IDL_DXF_POLYGON,IDL_DXF_INSERT,IDL_DXF_BLOCK,IDL_DXF_LAYER. The vertex data and connectivity can be found in the IDL_DXF_POLYGON ,and we can use them to make a polygon.But what the use of the other types of entity?IDL_DXF_INSERT,IDL_DXF_BLOCK,IDL_DXF_LAYER,Are they useless? I use 3DMAX and AutoCAD read the same DXF file,they all showed a exact result.My program which used IDLffDXF object has two errors. First,the shape of the polygon are all right,but the polygon are all composed of the triangles.The 3DMAX and AutoCAD shows that the right result is not only the triangles,many polygons are composed of the rectangles.And the number of polygons of the DXF file which made by my program are more than the number which made by the 3DMAX and AutoCAD. Second,the position of some parts of polygons are not precision.I think that's maybe some offset information contained in the DXF file,but I'm not very sure.

My computer is good,that' not the problem.The number of polygons is nearly 10000,but infact the right result showed by the 3DMAX and AutoCAD tell us that's not actual number,it just needs 1000 or more less polygons to show that.Anyway,let me list my hardware:

cpu:AMD 3600+

memory: 1G DDR2 667

Graphic Card: Unika 1650XT (600MHz/1200)

HardDisk:Hitachi 160G SATA2 8M buffer memory
