THREEVIEW for Windows (version 1.0)

THREEVIEW IS FREEWARE

Threeview is an interactive viewer for three dimensional vector objects conforming to the ASCII text OFF (object file format) standard. OFF was standardized by DIGITAL EQUIPMENT CORPORATION. OFF files can be found on the net, as well as created by yourself, or converted from other vector formats. Information concerning the technicalities of creating your own off files appears later in this document.

****

Many of the objects included with geomview were obtained from the Geometry Center at ftp.geom.umn.edu. The center has written an excellent and inspiring 3D viewer for the X-Windows environment called Geomview. Geomview dwarfs this one in every manner currently, and is worth seeing if you run on X.

Threeview is not to be sold, and it is to be used at your own risk. Development donations for this and other programs are welcome, as are proposals for windows-based applications.

Please send any correspondence To:

Matthew Suffidy
245 1/2 Bank Street - Unit 4
Ottawa, Ontario,
K2P 1X2

msuffidy@worldlink.ca

****

OFF FILE FORMAT (SIMPLIFIED)

OFF   #Header Keyword

Nvertices Nfaces Nedges   #All integers

x[0]   y[0]   z[0]   #Vertices; possibly with colors
 .   .   .
  (up to)
x[Nvertices-1]   y[Nvertices-1] z[Nvertices-1]

Nv   V(1)   V(2)   #Number of vertices followed by
                                        integer indexes to prior vertice list,
                                        optionally followed by R G B values
                                        all before the carriage return.

****

TO DO LIST

- *Include support for binary, split ASCII, and 4-D off files.*

- *Include solid shaded mode to give lighted effect to objects*

- *Include features to merge, edit, and re save transformed objects.*