A. *BlockViewer* was written by   David M. Berfanger.   It was developed in support of the Integrated First-Year Curriculum in Science, Engineering, and Mathematics at   Rose-Hulman Institute of Technology.   This curriculum project is supported by the National Science Foundation, the General Electric Foundation, and Lilly Endowment, Inc.   If you are interested in this or any other application written for the Rose-Hulman Institute of Technology Integrated First Year Curriculum, please contact us at **ifycsem@nextwork.rose-hulman.edu**.   The following people are currently serving as professors for the curriculum and would welcome your comments and questions:

Dr. Claude Anderson, III, Computer Science
Campus Box 98
ext. 8331

Dr.   Jerry Fine, Mechanical Engineering
Campus Box 140
ext. 8353

Dr. Jeffrey Froyd, Electrical Engineering
Campus Box 111
ext. 8340

Dr. Mike Moloney, Physics
Campus Box 161
ext. 8302

Dr. Howard McLean, Chemistry
Campus Box 70
ext. 8378

Dr. Edward Mottel, Chemistry
Campus Box 71

ext. 8315

Dr. Brian Winkel, Mathematics
Campus Box 132
ext. 8412

c/o Rose-Hulman Institute of Technology
6060 Wabash Avenue
Terre Haute, Indiana, USA   47803

phone 812-877-1511

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or
812-877- ext.

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B.   *BlockViewer* best fits in the engineering category.

C.   *BlockViewer* is designed to help users create, manipulate and visualize three-dimensional objects.   Shapes are created in three-space using Euclidian coordinates.   Points, lines and planes can be added by specifying the coordinates of the end points or vertices through an inspector. These objects can be grouped into directories which are organized by a browser.   Once

created, objects can be viewed in three dimensions at any orientation.

D.   *BlockViewer* is used as part of the Integrated First Year Curriculum in graphical communication classes to visually demonstrate orthographic drawing and to help students develop three dimensional visualization skills.

E.   *BlockViewer* was developed under NeXTSTEP 2.1.

F.   *BlockViewer* requires no special installation.

G.   The Documentation folder included with the application is required for online

documentation built into the application.   If it is removed, the application will still function properly, except for Help.