

A. *Function and Sons* was written by David J. Fischer. 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 First Year Integrated 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
or

812-877- ext.

- B. *Function and Sons* best fits in the mathematics category.
- C. *Function and Sons* is an application designed to help students recognize the first and second derivatives of a function through a game interface. Three functions are displayed and the user must determine which one is the function, which is the first derivative and which is the second derivative. One of the functions may be an "Oddball Function" which means it is not related to the others. The application will provide the user with the correct answers if

desired.

- D. *Function and Sons* is used as part of the Integrated First Year Curriculum in calculus classes.
- E. *Function and Sons* was developed under NeXTSTEP 2.1.
- F. *Function and Sons* requires no special installation.