

ANNOUNCING AN ENTIRELY NEW INTERFACE AND EXPANDED CAPABILITIES FOR THE

POLYMATH Numerical Computation Package

By Mordechai Shacham, Michael B. Cutlip, and Michael Elly

POLYMATH is a proven computational system, which has been specifically created for educational or professional use. The various POLYMATH programs allow the user to apply effective numerical analysis techniques during interactive problem solving on personal computers. Results are presented graphically for easy understanding and for incorporation into papers and reports. Students, engineers, mathematicians, scientists, or anyone with a need to solve problems will appreciate the efficiency and speed of problem solution.

Versions 5.X have been completely revised and reprogrammed for 32-bit Windows™ operating systems.

Problem solving capabilities include:

Linear Equations – up to 200 simultaneous equations (64 with convenient input)

Nonlinear Equations – up to 200 simultaneous nonlinear and explicit algebraic equations

Differential Equations – up to 200 simultaneous ordinary differential and explicit algebraic equations

Data analysis and Regression – up to 350 data points with capabilities for linear, multiple linear, and nonlinear regressions with extensive statistics plus polynomial and spline fitting with interpolation and graphing capabilities

Important new features include:

- TOTALLY NEW INTERFACE
- STANDARD WINDOWS EDITING
- ENHANCED CAPABILITIES AND NUMBERS OF EQUATIONS SOLVED
- SIGNIFICANTLY IMPROVED GRAPHICS
- EXTENSIVE USER ALGORITHM SELECTION AND CONTROL
- EXECUTION WITH ALL 32-BIT WINDOWS OPERATING SYSTEMS
- COPY AND PASTE OPTIONS FOR GRAPHICS, EQUATIONS, AND TABLES
- COMPATIBILITY WITH PREVIOUS VERSIONS
- THREE ON-BOARD UTILITIES: POWERFUL CALCULATOR, UNIT CONVERTER, AND EXTENSIVE ENGINEERING CONVERSION FACTORS
- EASE OF USE WITHOUT ANY PROGRAMMING LANGUAGES OR CONTROL LANGUAGES TO REMEMBER
- EXTENSIVE ON-LINE DOCUMENTATION

POLYMATH 5.X SITE LICENSES

Site licenses for the new versions of POLYMATH can be purchased only from the CACHE Corporation. Both educational-use and professional-use site licenses can be purchased. Please see the CACHE web site at:

<http://www.cache.org/>

or contact

CACHE Corporation
P. O. Box 7939
Austin, TX 78713-7939

(512) 471-4933 Voice
(512) 295-4498 Fax
cache@uts.cc.utexas.edu

POLYMATH 5.X AVAILABILITY FOR STUDENTS AND FOR PROFESSIONALS

POLYMATH 5.X is available to individual students at educational institutions at a price of \$29 and to professionals at a price of \$149. Ordering options include immediate download files from this Polymath Internet site or via CD-ROM with various shipping options. All major credit cards are accepted.

The POLYMATH Internet site is:

<http://www.polymath-software.com/>