TURBO PASCAL® TOOLBOX

NUMERICAL METHODS

A complete collection of Turbo Pascal routines and programs
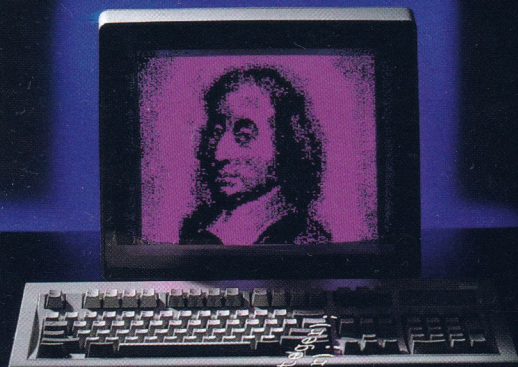
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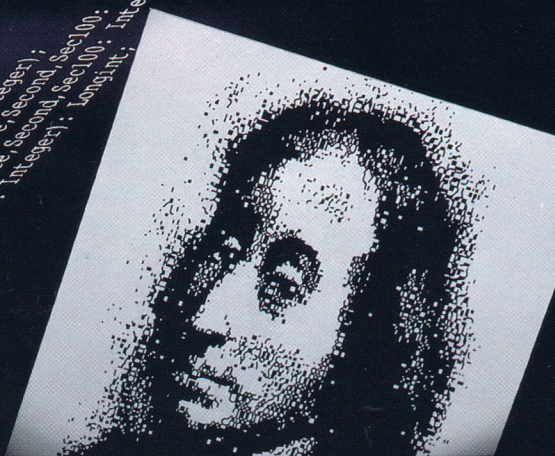
Version 4.0

IBM® VERSION

PC, XT,® AT,® PS/2™ & True Compatibles

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TURBO PASCAL® NUMERICAL METHODS TOOLBOX

Provides state-of-the-art math tools to solve scientific and engineering problems—fast!

Turbo Pascal Numerical Methods Toolbox implements the latest high-level mathematical methods to solve common scientific and engineering problems. Fast!

Whenever you need to calculate an integral, work with Fourier Transforms, or incorporate any of the classic numerical analysis tools into your programs, you won't have to reinvent the wheel. The Numerical Methods Toolbox is a complete collection of Turbo Pascal routines and programs that gives you applied state-of-the-art math tools. It also includes two graphics demo programs, Least Squares Fit and Fast Fourier Transforms, to give you the picture along with the numbers.

The Numerical Methods Toolbox is a must for you if you're involved with any type of scientific or engineering computing. Because it comes with complete source code, you have total control of your application.

What Numerical Methods Toolbox can do for you:

- Find solutions to equations
- Interpolations
- Calculus: numerical derivatives and integrals
- Matrix operations: inversions, determinants, and eigenvalues
- Differential equations
- Least squares approximations
- Fourier transforms

Five free ways to look at "Least Squares Fit"!

As well as a free demo "Fast Fourier Transforms," you also get "Least Squares Fit" in 5 different forms—which gives you 5 different methods of fitting curves to a collection of data points.

1. Power
2. Exponential
3. Logarithm
4. 5-term Fourier
5. 5-term Polynomial

They're all ready to compile and run "as is." To modify or add graphics to your own programs, you simply add Turbo Pascal Graphix Toolbox (version 4.0 or later) to your software library. Our Numerical Methods Toolbox is designed to work hand-in-hand with our Turbo Pascal Graphix Toolbox to make professional graphics in your own programs an instant part of the picture!

Minimum system configuration: For the IBM PS/2™, and the IBM® and Compaq® families of personal computers and all 100% compatibles. PC-DOS (MS-DOS®) 2.0 or later. 256K. Turbo Pascal 4.0 or later. The graphics modules require a graphics monitor with an IBM CGA, IBM EGA, IBM 3270 PC, ATT 6300, or Hercules compatible adapter card, and require the Turbo Pascal Graphix Toolbox version 4.0 or later. An 8087 or 80287 numeric coprocessor is not required, but recommended for optimal performance. Apple Macintosh version of this program is also available.

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