

MATLABTM Version 3.5

INTRODUCING THE SIGNAL PROCESSING TOOLBOX

- FAST MATRIX COMPUTATION
- LINPACK AND EISPACK ALGORITHMS
- DIGITAL SIGNAL PROCESSING
- PARAMETRIC MODELLING
- TIME SERIES ANALYSIS
- NEW 2-D AND 3-D GRAPH TYPES

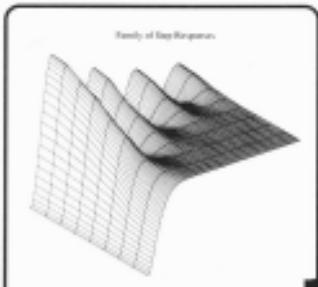
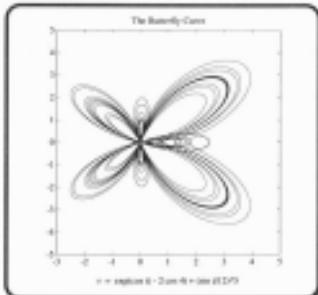
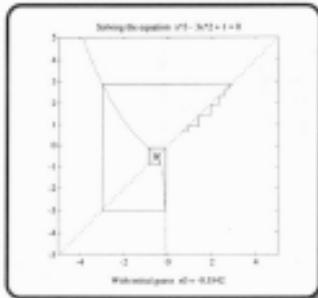
MATLAB v.3.5 is the latest version of the premier interactive system for scientific and engineering numerical analysis. Problems and solutions are expressed just as they are written mathematically — *without the need for traditional programming*.

MATLAB has rapidly become an industry standard for engineering and scientific research. Its unique interactive interface, algorithmic foundation, easy extensibility, and speed make MATLAB the software system of choice for *high productivity* and *high creativity* research at thousands of universities, laboratories, and companies.

Version 3.5 adds new 2-D and 3-D plot types, including feather plots, error bars, automatic contour labelling, and optimized VGA support.

Over 400 Built-In Functions

- eigenvalues
- least squares
- cubic splines
- convolution
- complex arithmetic
- IIR and FIR filters
- curve fitting
- singular value decomposition, and more
- 1-D and 2-D FFTs
- matrix arithmetic
- multivariate statistics
- polynomial arithmetic
- nonlinear optimization
- linear equation solving
- differential equations



Computers

- ✓ PC and NT Compatible
- ✓ 80386 Computers
- ✓ Macintosh
- ✓ Sun Workstations
- ✓ HP 9000 Workstations
- ✓ Apollo Workstations
- ✓ DEC VMS and Unix
- ✓ IBM RISC Systems
- ✓ Systech C-Series
- ✓ Ritelink FN/Series
- ✓ Cray Supercomputers
- ✓ Other Computers



Fast, Accurate, and Reliable

MATLAB can handle lots of data and do it fast, fully utilizing all available floating point hardware for maximum performance. You won't have to question the results either — the algorithms have been programmed by leading experts in mathematical software and are used by leading researchers around the world.

Benchmarks (20 MHz 386-based PC)

50 x 50 matrix multiply	0.71 sec
50 x 50 matrix inverse	1.32 sec
50 x 50 eigenvalues	1.21 sec
4096-point complex FFT	1.16 sec

Please provide additional information!

Name _____
Company _____
Dept. _____
Address _____
City, State, Zip _____
Country _____
Telephone _____
Computer _____



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