Professional Applied Mathematics and Matrix Computation

with PC-MATLAB on your IBM-PC and now PRO-MATLAB for your Sun Workstation or VAX computer

Fast, Accurate and Reliable

The nopular DC MATE AR is now queilable on larger computers! PC-MATLAB, called PRO MATI AB on his machines, is the premier interactive program available for numerical linear algebra and matrix computation.

Matrix and Analytical Computation MATLAB has tools for diverse applied mathematical needs. These include linear algebra functions like eigenvalues, linearequation solution least-sources singular value decomposition, and almost anything MATE AB is also chock full of other analytical capabilities including complex and and multivariate statistics. Altogether, there are over 200 commands available.



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Integrated and Extensible The precision 2-d and 3-d graphics, data manipulation facilities, and extensibility analysis and reporting needs.

Many of MATLAB's features are implemented

in programmable M.files, made possible because of MATLAR's open-system philosophy. Since MATLAB is the teaching and research system chosen by Engineering Computer Science and Mathematics can look forward to an exciting future of new alegrithmic developments from leading experts in mathematical software

problems - it does it fact too. On a PC the numeric coprocessor is fully utilized for near minicomputer performance. For example, in takes only 1 second to multiply 20 x 2 matrices and 2.9 seconds to invert them. A 1024 point FFT finishes in 2.8 seconds! On larger machines, the efficient C code is even question the results either , the numerical algorithms have been programmed by leading experts in mathematical software Intermediate calculations use extended 80-bit precision, exceeding the accuracy of many mainframes. Final results are IEEE standard

64-bit numeric format (VAX formats differ)

Please provide additional information

Easy-to-use This we guarantee Matrix calculations are indicated to MATLAB in a manner similar to how they are written on naner. Finally you'll have a program with a modern user interface to mathematically sophisticated calculations

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