Subject: MATCOM V2 (Matlab to C++ Compiler) Available
Posted by info on Mon, 23 Sep 1996 07:00:00 GMT
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MathTools Ltd. is pleased to announce MATCOM V2, a Matlab to C++ compiler. MATCOM creates MEX files and standalone C++ applications, with
royalty free distribution.

Fully functional, time limited evaluation version of MATCOM V2 can be downloaded freely from the MathTools web site,
http://www.mathtools.com.

MATCOM is based on the MATCOM MATH LIBRARY, A C++ Matrix library consisting of over 300 mathematical function. Functions supplied include
basic unary and binary operations, powerful indexing capabilities, signal processing, file i/o, linear algebra, string operations and graphics. The Linear Algebra functions are based on the well known LINPACK and EISPACK. Complex matrices are fully supported. The library is built on the target system, enabling the selection of compiler optimization flags and local BLAS libraries.

MATCOM supports matrices of doubles, floats, ints and chars mixed in the
program. Source compatibility with Matlab is maintained. Images can be stored in matrices of chars, using 1/8 memory storage. On many applications, where 8 digits of precision are sufficient, float matrices
can save half the memory usage.

2D and 3D Graphics is supported in standalone applications using the freely available graphics package, Gnuplot.

Source code created highly resembles the original code using C++ language features. The C++ code and our freely redistributable matrix math library can be integrated in your C++ projects. Input and output of
data can be done using SAVE,LOAD,vectorized file I/O and C++ I/O.

MATCOM/UNIX supports Linux, SunOS, Solaris, Irix, AIX, HPUX, OSF1 and Ultrix. gcc or the vendor supplied C++ compiler can be used. MATCOM/PC supports Windows 3.11, Windows 95, Windows NT and OS/2. Visual C++, Borland C++, Watcom C++ and DJGPP can be used. For windows, both console
and GUI applications can be created. Ports for new platforms can be done
by request.