Pro

Quadratic

Applies a quadratic programming algorithm to the problem. The option is available only if the Expert Solver for Mathcad Professional is installed. Guess values for the unknowns are not required.

You can override Mathcad's default choice of solving algorithm as follows:

- Create and evaluate a solve block, allowing Mathcad to AutoSelect an algorithm.
- Click with the right mouse button on the name of the function that terminates the solve block, and remove the check from **AutoSelect** on the pop-up menu.
- Check one of the available solving methods on the pop-up menu. Mathcad recalculates the solution using the method you selected.

Statistics, probability, and data analysis functions

Statistics

corr(**A**, **B**) Returns the Pearson's r correlation coefficient for the $m \times n$ arrays **A** and **B**.

cvar(**A**, **B**) Returns the covariance of the elements in $m \times n$ arrays **A** and **B**.

gmean(**A**) Returns the geometric mean of the elements of array **A**. All elements must be real and greater than 0.

hist(**int**, **A**) Returns a vector representing the frequencies with which values in **A** fall in the intervals represented by the **int** vector. The elements in both **int** and **A** must be real, and elements of **int** must be in ascending order. The resulting vector is one element shorter than **int**.

hmean(**A**) Returns the harmonic mean of the elements of array **A**. All elements must be nonzero.

kurt(**A**) Returns the kurtosis of the elements of array **A**.

mean(**A**) Returns the arithmetic mean of the elements of array **A**.

median(**A**) Returns the median of the elements of array **A**: the value above and below which there are an equal number of values. If **A** has an even number of elements, this is the arithmetic mean of the two central values.