READBIN("file", "type", [[endian], [cols], [skip], [maxrows]]) Returns an array containing the binary data in file.

WRITEBIN("file", "type", endian, [M]) writes an array of scalars to the binary data file named file. This function can be used either on the right or the left side of the definition operator. When used on the right, you must supply the argument **M**, the name of the matrix to write to the file. In this case, the function returns the contents of the matrix. When used on the left, do not supply the argument **M**, but instead place it on the right-hand side of the definition. See the QuickSheet Example.

Arguments:

- file is a string containing the filename or the full pathname and filename. Pathnames are relative to the current working directory.

- type is a string that specifies the data format used in the file. **READBIN** supports the following data types:

    - **byte** - 8-bit unsigned integer.
    - **double** - 64-bit floating point number.
    - **float** - 32-bit floating point number.
    - **int16** - signed 16-bit integer.
    - **int32** - signed 32-bit integer.
    - **uint16** - unsigned 16-bit integer.
    - **uint32** - unsigned 32-bit integer.

- endian (optional for READBIN) indicates whether the data in the file is big-endian (high byte first) or little-endian (low byte first). Big-endian is represented by a 1, while little-endian is represented by a 0. If no value is specified, endian is assumed to be 0.

- cols (optional) is the positive integer number of columns per row in the input file. Default is 1.

- skip (optional) is the non-negative integer number of bytes at the beginning of the file to ignore before reading in data. Default is 0.

- maxrows (optional) is the non-negative integer maximum number of rows of data to be read from the data file. Default is 0 (no limit).

Note:

- If you are not sure whether your data is written in big-endian (the Macintosh standard) or little-endian (the IBM-PC standard) format, please consult the system documentation for your data source before relying upon the accuracy of any result from **READBIN** or **WRITEBIN**.