Mira® MX

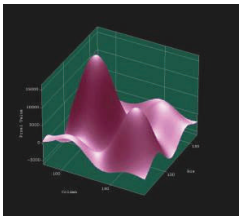
Scientific Image Processing, Visualization & Analysis Software

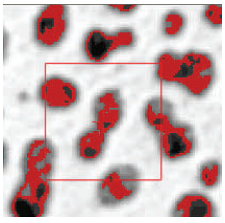
$$n_i^j = \sum_{i=1}^{n} x_i^j f(x_i$$

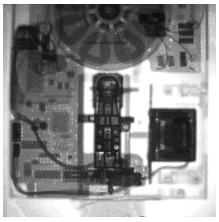
Application Areas

- Microscopy
- Biomedical research
- Computational biology
- Radiography
- Physics
- Materials science
- Nanotechnology
- Reconnaissance

Mira MX® sets a new paradigm in imaging software by fusing a rich set of advanced processing and measurement tools with an extensive suite of visualization tools to form a single, highly integrated application. To this, Mira MX *Ultimate Edition* adds a rich programming extension language with dozens of easy to use, C++ like classes and hundreds of methods to facilitate scripted processing, prototyping, and exploration of data. This integration has produced one of the most advanced, yet easy to use, applications available for exploitation of scientific image data. Using Mira MX and Mira MX *Ultimate Edition*, you will see more, understand more, and get more from your images.







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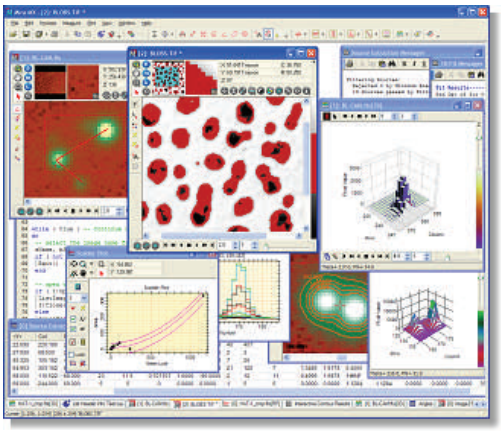
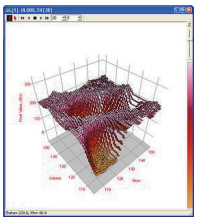
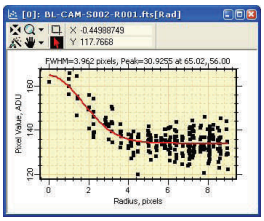


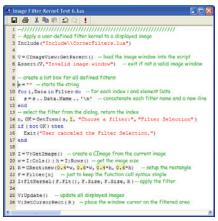
Mira MX and **Mira MX *Ultimate Edition*** significantly raise the standard for scientific image analysis software. The Mira GUI is designed to be intuitive while providing a myriad of technical tools available for characterizing and analyzing images. Mira MX includes a versatile 1-D Data Fitting package, an extensive collection of image calibration, filtering, and processing tools, precision image registration, automated processing of image stacks, unparalleled animation and comparison of images and plot data, plus a rich suite of image quantification tools. Mira MX *Ultimate* Edition adds several advanced features and a powerful script programming capability. The MX Scripting language includes an extensive collection of built-in classes and methods that make it a snap to develop your own sophisticated tools for performing repetitive and specialized tasks. Mira implements the Lua® language as a fully extensible programming language, making it both quick and easy to create scripts without requiring the

Key Features

- Mira's GUI places a myriad of powerful measurement & visualization tools within easy reach, freeing you to think about results, not software.
- Feature-rich, fast, easy to use programming extension language can be used with the provided classes and methods, as well as your own programming to script procedures.
- Measure exact coordinates, distance, angles, FWHM, area, complex statistics, polygon properties, and more, in image units or physical (world) coordinates.
- Work with TIFF, FITS, BMP, JPG, binary data and text data with 8 to 64 bits luminance, or multi-channel RGB data with 24 or 48 bits.
- Developed by scientists & engineers who think like you about processes and procedures.
- Optimized graphics and numeric processing boost productivity.







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