

Gamma Processing for EM Image [II]

\$ Introduction

This application software can execute the gamma processing for an EM (electron microscope) image.

\$ Functions

-  Opens an EM image file (16/8 bits grayscale TIF, or 8 bits grayscale BMP).
-  Selects a gamma correction method.
-  Executes the gamma processing for the image.
-  Copies a displayed image to the Clipboard.
-  Saves a processed image with a filename.
-  Shows the version information.
-  (This file.)
-  Closes this application software.

\$ Original Images

1. Regarding EM images, prepare bitmap images with un-compressed 8 bits grayscales, or tiff images with un-compressed 16/8 bits grayscales.

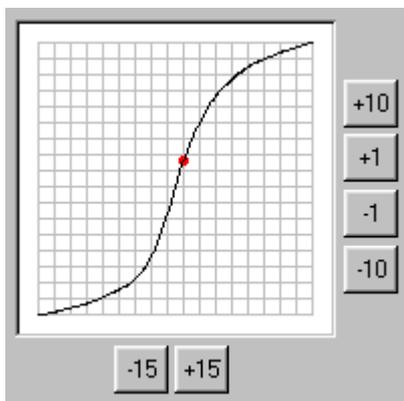
[EM image size N x M: $64 \leq N, M$]

\$ How to Use



1. Open an EM image file (which satisfies the above requirement) by  button.
2. Select a gamma correction method by  button.
3. Execute the gamma processing for the image by  button.

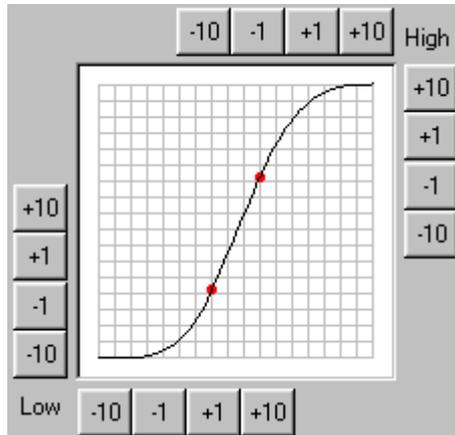
3-1. Normal gamma correction method



Make a gamma correction curve by the following procedures.
Then, press "OK" button.

- 1) Horizontally set a red point by   buttons.
- 2) Vertically change the red point by     buttons.
Note: As you see, these buttons are vertically arranged.

3-2. Simple gamma correction method



Make a gamma correction curve by the following procedures.
Then, press “OK” button.

- 1) Horizontally set a red point by     buttons (*).
 - 2) Vertically change the red point by     buttons (*).
Note: As you see, these buttons are vertically arranged.
- (*): There are two points for making a gamma correction curve.
One is for the upper region and another is for the lower region.

4. Save the image by  button.
5. Copy the image to the Clipboard by  button, if necessary.

Note: A processed image is not automatically saved.

Please use  button for saving the image.

\$ Supplement

This application software EMGAMM98.EXE can process bitmap images with un-compressed 8 bits grayscales, or tiff images with un-compressed 16/8 bits grayscales. In the case of a 16 bits grayscale tiff image, the image is displayed by 8 bits grayscale, and its histogram is also displayed by 8 bits style. However, when a 16 bits grayscale tiff image is opened, its processed image is saved as a 16 bits grayscale image by  button.