SEMT

Desktop SEM image Viewer ver. 2.1.1 beta

Operation manual

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Description

This software can measure a distance in SEM pictures of SU3800 made by 日立ハイテク (Hitachi High-Tech (Shenzhen) Co., Ltd.). This software need several python modules such as tkinter, PIL, and io, so you need to install them to use this software. [1]You also need the SEM image and corresponding data text file (the text file whose name is the same as the image).

How to use

Open the run.bat file and SEMT will initiate. You will see following window.

Fig. 1 SEMT file-select window. The window has 4 buttons, a select button to select the SEM picture, start button to see the picture, a clear button to clear the path you entered, and quit button to shut down this program.

The button has 4 buttons. First, select the SEM image by clicking select… button. The data

[1] To install these modules, open the command prompt and type $pip (module name).

text file should be in the same directory as the image file. Second, click the start button to see the picture. You will see the following window.

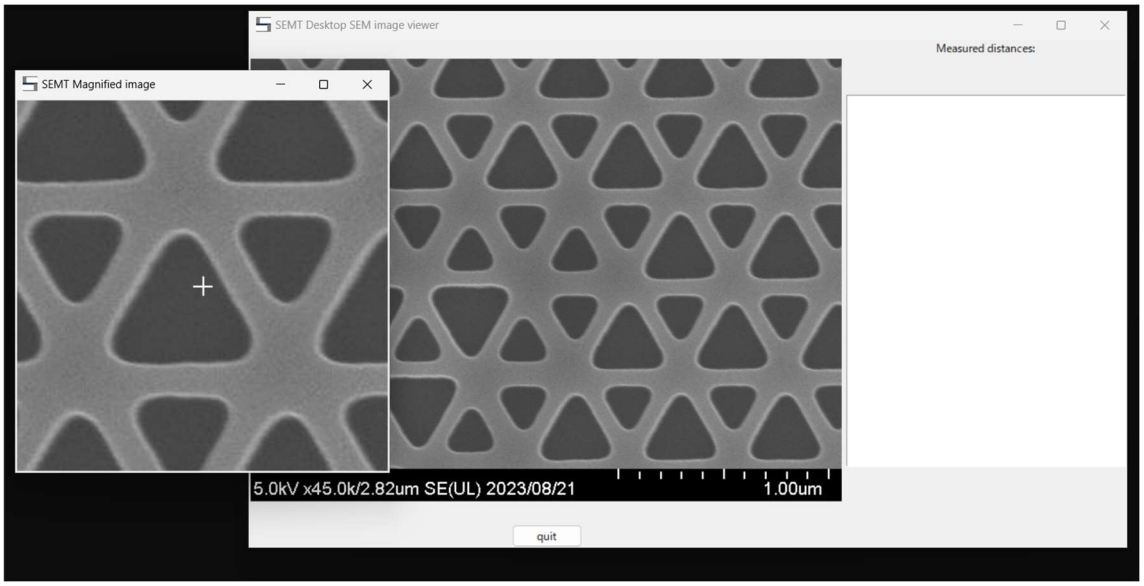

Fig. 2 SEMT desktop image viewer and SEMT Magnified image window. Magnified SEM image window enables us to accurately measure a distance.

The viewer windows are composed of SEMT desktop image viewer and SEMT Magnified image window.

How to measure the distance

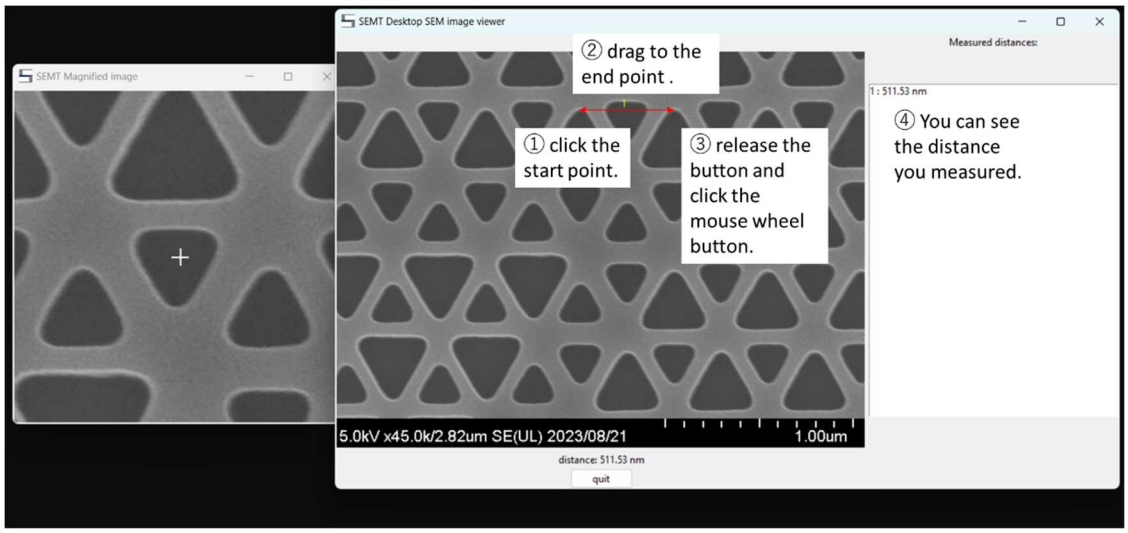

Fig. 3 How to measure the distance. Follow the description in the picture.

To measure the distance, click the start point you want to measure, and drag to the end point, then click mouse wheel button. Then you can see the distance in the Measured distance list. The number correspond to one above the red arrow line. You can quit by clicking quit button.